

## Cover Page

**Order ID :** P3845

**Project ID :** NJ Waste Water PT

**Client :** Chemtech Consulting Group

### Lab Sample Number

P3845-01  
P3845-02  
P3845-03  
P3845-04  
P3845-05  
P3845-06  
P3845-07  
P3845-08  
P3845-09  
P3845-10  
P3845-11  
P3845-12  
P3845-13  
P3845-14  
P3845-15  
P3845-16  
P3845-17  
P3845-18  
P3845-19  
P3845-20  
P3845-21  
P3845-22

### Client Sample Number

PT-VOA-WP  
PT-VOA-WP  
PT-BN-WP  
PT-BN-WP  
PT-BN-WP  
PT-ACIDS-WP  
PT-ACIDS-WP  
PT-ACIDS-WP  
PT-PEST-WP  
PT-PEST-WP  
PT-CHLR-WP  
PT-CHLR-WP  
PT-TXP-WP  
PT-TXP-WP  
PT-PCBW-WP  
PT-PCBW-WP  
PT-HERB-WP  
RR-GAS-WP  
RR-DIES-WP  
RR-8011-WP  
RR-PAH-WP  
RR-TRIAZINE-WP

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

Signature : \_\_\_\_\_

Date: 10/24/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: P3845

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: PATEL VAISHALI

Date: 10/24/2024

## LAB CHRONICLE

|                 |                           |                   |                     |
|-----------------|---------------------------|-------------------|---------------------|
| <b>OrderID:</b> | P3845                     | <b>OrderDate:</b> | 9/5/2024 2:19:00 PM |
| <b>Client:</b>  | Chemtech Consulting Group | <b>Project:</b>   | NJ Waste Water PT   |
| <b>Contact:</b> | QA Officer                | <b>Location:</b>  | QA Office, VOA Lab  |

| LabID                         | ClientID             | Matrix       | Test                    | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------------------|----------------------|--------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>P3845-09</b>               | <b>PT-PEST-WP</b>    | <b>WATER</b> | PESTICIDE Group1        | 8081B  | <b>09/03/24</b> | 09/09/24  | 09/24/24  | <b>09/05/24</b> |
| <b>P3845-09DL</b>             | <b>PT-PEST-WPDL</b>  | <b>WATER</b> | PESTICIDE Group1        | 8081B  | <b>09/03/24</b> | 09/09/24  | 09/24/24  | <b>09/05/24</b> |
| <b>P3845-09DL</b><br><b>2</b> | <b>PT-PEST-WPDL2</b> | <b>WATER</b> | PESTICIDE Group1        | 8081B  | <b>09/03/24</b> | 09/09/24  | 09/24/24  | <b>09/05/24</b> |
| <b>P3845-11</b>               | <b>PT-CHLR-WP</b>    | <b>WATER</b> | PESTICIDE Group2        | 8081B  | <b>09/03/24</b> | 09/09/24  | 09/24/24  | <b>09/05/24</b> |
| <b>P3845-13</b>               | <b>PT-TXP-WP</b>     | <b>WATER</b> | PESTICIDE Group3        | 8081B  | <b>09/03/24</b> | 09/09/24  | 09/24/24  | <b>09/05/24</b> |
| <b>P3845-13DL</b>             | <b>PT-TXP-WPDL</b>   | <b>WATER</b> | PESTICIDE Group3        | 8081B  | <b>09/03/24</b> | 09/09/24  | 09/24/24  | <b>09/05/24</b> |
| <b>P3845-15</b>               | <b>PT-PCBW-WP</b>    | <b>WATER</b> | PCB                     | 8082A  | <b>09/03/24</b> | 09/09/24  | 09/10/24  | <b>09/05/24</b> |
| <b>P3845-17</b>               | <b>PT-HERB-WP</b>    | <b>WATER</b> | Herbicide group1        | 8151A  | <b>09/03/24</b> | 09/10/24  | 09/13/24  | <b>09/05/24</b> |
| <b>P3845-18</b>               | <b>RR-GAS-WP</b>     | <b>Water</b> | Gasoline Range Organics | 8015D  | <b>09/03/24</b> |           | 09/09/24  | <b>09/05/24</b> |
| <b>P3845-18RE</b>             | <b>RR-GAS-WP</b>     | <b>Water</b> | Gasoline Range Organics | 8015D  | <b>09/03/24</b> |           | 09/09/24  | <b>09/05/24</b> |
| <b>P3845-19</b>               | <b>RR-DIES-WP</b>    | <b>Water</b> | Diesel Range Organics   | 8015D  | <b>09/03/24</b> | 09/09/24  | 09/10/24  | <b>09/05/24</b> |



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## LAB CHRONICLE

|                   |                     |              |               |      |                 |          |          |                 |
|-------------------|---------------------|--------------|---------------|------|-----------------|----------|----------|-----------------|
| <b>P3845-20</b>   | <b>RR-8011-WP</b>   | <b>WATER</b> |               |      | <b>09/03/24</b> |          |          | <b>09/05/24</b> |
|                   |                     |              | VOCGC Group 1 | 8011 |                 | 09/11/24 | 09/11/24 |                 |
| <b>P3845-20DL</b> | <b>RR-8011-WPDL</b> | <b>WATER</b> |               |      | <b>09/03/24</b> |          |          | <b>09/05/24</b> |
|                   |                     |              | VOCGC Group 1 | 8011 |                 | 09/11/24 | 09/11/24 |                 |

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

**SDG No.:** P3845

**Order ID:** P3845

**Client:** Chemtech Consulting Group

**Project ID:** NJ Waste Water PT

| Sample ID                     | Client ID  | Parameter                 | Concentration | C  | MDL    | RDL   | Units |
|-------------------------------|------------|---------------------------|---------------|----|--------|-------|-------|
| <b>Client ID : PT-PEST-WP</b> |            |                           |               |    |        |       |       |
| P3845-09                      | PT-PEST-WP | WATER alpha-BHC           | 14.4          | E  | 0.0061 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER beta-BHC            | 11.9          | E  | 0.014  | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER delta-BHC           | 15.0          | E  | 0.015  | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER gamma-BHC (Lindane) | 6.90          | E  | 0.0049 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Heptachlor          | 4.60          | E  | 0.0054 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Aldrin              | 7.50          | E  | 0.0044 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Heptachlor epoxide  | 7.00          | E  | 0.0090 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Endosulfan I        | 10.3          | E  | 0.0050 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Dieldrin            | 11.6          | E  | 0.0047 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER 4,4-DDE             | 5.20          | E  | 0.0045 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Endrin              | 2.30          | E  | 0.0043 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Endosulfan II       | 6.20          | E  | 0.0075 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER 4,4-DDD             | 8.70          | EP | 0.0092 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Endosulfan Sulfate  | 4.90          | E  | 0.0035 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER 4,4-DDT             | 5.20          | E  | 0.0044 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Methoxychlor        | 7.20          | E  | 0.011  | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Endrin ketone       | 13.8          | E  | 0.0097 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER Endrin aldehyde     | 14.0          | E  | 0.0099 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER alpha-Chlordane     | 6.70          | E  | 0.0060 | 0.050 | ug/L  |
| P3845-09                      | PT-PEST-WP | WATER gamma-Chlordane     | 3.50          | E  | 0.0060 | 0.050 | ug/L  |

**Total Concentration: 166.900**

**Client ID : PT-PEST-WPDL**

|            |              |                           |      |    |       |      |      |
|------------|--------------|---------------------------|------|----|-------|------|------|
| P3845-09DL | PT-PEST-WPDL | WATER alpha-BHC           | 13.8 | ED | 0.061 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER beta-BHC            | 11.7 | ED | 0.14  | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER delta-BHC           | 14.7 | ED | 0.15  | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER gamma-BHC (Lindane) | 6.40 | D  | 0.049 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Heptachlor          | 4.40 | D  | 0.054 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Aldrin              | 7.30 | D  | 0.044 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Heptachlor epoxide  | 7.40 | D  | 0.090 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Endosulfan I        | 11.2 | ED | 0.050 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Dieldrin            | 12.6 | ED | 0.047 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER 4,4-DDE             | 4.70 | D  | 0.045 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Endrin              | 2.00 | D  | 0.043 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Endosulfan II       | 6.20 | D  | 0.075 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER 4,4-DDD             | 7.30 | DP | 0.092 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Endosulfan Sulfate  | 4.90 | D  | 0.035 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER 4,4-DDT             | 4.40 | D  | 0.044 | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Methoxychlor        | 7.70 | D  | 0.11  | 0.50 | ug/L |
| P3845-09DL | PT-PEST-WPDL | WATER Endrin ketone       | 15.8 | ED | 0.097 | 0.50 | ug/L |

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

**SDG No.:** P3845

**Order ID:** P3845

**Client:** Chemtech Consulting Group

**Project ID:** NJ Waste Water PT

| Sample ID                   | Client ID    | Parameter             | Concentration  | C  | MDL   | RDL  | Units |
|-----------------------------|--------------|-----------------------|----------------|----|-------|------|-------|
| P3845-09DL                  | PT-PEST-WPDL | WATER Endrin aldehyde | 15.9           | ED | 0.099 | 0.50 | ug/L  |
| P3845-09DL                  | PT-PEST-WPDL | WATER alpha-Chlordane | 6.40           | D  | 0.060 | 0.50 | ug/L  |
| P3845-09DL                  | PT-PEST-WPDL | WATER gamma-Chlordane | 3.20           | D  | 0.060 | 0.50 | ug/L  |
| <b>Total Concentration:</b> |              |                       | <b>168.000</b> |    |       |      |       |

**Client ID :** PT-PEST-WPDL2

|                             |               |                           |                |   |       |      |      |
|-----------------------------|---------------|---------------------------|----------------|---|-------|------|------|
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER alpha-BHC           | 13.1           | D | 0.12  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER beta-BHC            | 11.6           | D | 0.28  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER delta-BHC           | 13.9           | D | 0.30  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER gamma-BHC (Lindane) | 6.10           | D | 0.098 | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Heptachlor          | 4.30           | D | 0.11  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Aldrin              | 6.90           | D | 0.088 | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Heptachlor epoxide  | 7.20           | D | 0.18  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Endosulfan I        | 10.8           | D | 0.10  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Dieldrin            | 12.0           | D | 0.094 | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER 4,4-DDE             | 4.50           | D | 0.090 | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Endrin              | 2.20           | D | 0.086 | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Endosulfan II       | 6.00           | D | 0.15  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER 4,4-DDD             | 7.10           | D | 0.18  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Endosulfan Sulfate  | 4.90           | D | 0.070 | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER 4,4-DDT             | 4.40           | D | 0.088 | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Methoxychlor        | 7.80           | D | 0.22  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Endrin ketone       | 15.5           | D | 0.19  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER Endrin aldehyde     | 15.6           | D | 0.20  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER alpha-Chlordane     | 6.10           | D | 0.12  | 1.00 | ug/L |
| P3845-09DL2                 | PT-PEST-WPDL2 | WATER gamma-Chlordane     | 3.20           | D | 0.12  | 1.00 | ug/L |
| <b>Total Concentration:</b> |               |                           | <b>163.200</b> |   |       |      |      |



# QC SUMMARY

### Surrogate Summary

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| I.BLK-PL091568.D | PIBLK-PL091568.D | Decachlorobiphenyl   | 1      | 20    | 26.7   | 133 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 24.2   | 121 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 26.2   | 131 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 24.3   | 121 |      | 77     | 126  |
| I.BLK-PL091604.D | PIBLK-PL091604.D | Decachlorobiphenyl   | 1      | 20    | 18.4   | 92  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.0   | 95  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.3   | 87  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.5   | 93  |      | 77     | 126  |
| PB163229BL       | PB163229BL       | Decachlorobiphenyl   | 1      | 20    | 22.0   | 110 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 22.5   | 112 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.3   | 116 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.5   | 107 |      | 77     | 126  |
| PB163229BS       | PB163229BS       | Decachlorobiphenyl   | 1      | 20    | 20.9   | 105 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.7   | 99  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.1   | 106 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.7   | 99  |      | 77     | 126  |
| I.BLK-PL091623.D | PIBLK-PL091623.D | Decachlorobiphenyl   | 1      | 20    | 20.3   | 102 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.6   | 98  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.0   | 100 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.9   | 90  |      | 77     | 126  |
| I.BLK-PL091650.D | PIBLK-PL091650.D | Decachlorobiphenyl   | 1      | 20    | 20.8   | 104 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.2   | 101 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.4   | 102 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.5   | 97  |      | 77     | 126  |
| PB163229BSD      | PB163229BSD      | Decachlorobiphenyl   | 1      | 20    | 21.5   | 108 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 17.8   | 89  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.0   | 100 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.5   | 87  |      | 77     | 126  |
| I.BLK-PL091662.D | PIBLK-PL091662.D | Decachlorobiphenyl   | 1      | 20    | 19.0   | 95  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.1   | 101 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 16.4   | 82  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.2   | 96  |      | 77     | 126  |
| I.BLK-PL091953.D | PIBLK-PL091953.D | Decachlorobiphenyl   | 1      | 20    | 19.6   | 98  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.0   | 95  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.7   | 94  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.3   | 92  |      | 77     | 126  |
| I.BLK-PL091991.D | PIBLK-PL091991.D | Decachlorobiphenyl   | 1      | 20    | 20.7   | 104 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.3   | 101 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.5   | 98  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.6   | 98  |      | 77     | 126  |
| P3845-09         | PT-PEST-WP       | Decachlorobiphenyl   | 1      | 20    | 22.1   | 111 |      | 43     | 140  |

### Surrogate Summary

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| P3845-09         | PT-PEST-WP       | Tetrachloro-m-xylene | 1      | 20    | 33.8   | 169 | *    | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.9   | 109 |      | 43     | 140  |
| P3845-09DL       | PT-PEST-WPDL     | Tetrachloro-m-xylene | 2      | 20    | 20.4   | 102 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 23.9   | 119 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 33.5   | 168 | *    | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.4   | 112 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 22.2   | 111 |      | 77     | 126  |
| P3845-09DL2      | PT-PEST-WPDL2    | Decachlorobiphenyl   | 1      | 20    | 23.4   | 117 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 35.6   | 178 | *    | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 27.4   | 137 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.8   | 104 |      | 77     | 126  |
| I.BLK-PL092002.D | PIBLK-PL092002.D | Decachlorobiphenyl   | 1      | 20    | 20.9   | 104 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.0   | 100 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.4   | 102 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.5   | 97  |      | 77     | 126  |

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

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: 8081B Datafile : PL091611.D

| Lab Sample ID | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB163229BS    | alpha-BHC           | 0.5   | 0.52   | ug/L  | 104 |     |      |      | 85  | 130    |     |
|               | beta-BHC            | 0.5   | 0.51   | ug/L  | 102 |     |      |      | 83  | 126    |     |
|               | delta-BHC           | 0.5   | 0.55   | ug/L  | 109 |     |      |      | 69  | 141    |     |
|               | gamma-BHC (Lindane) | 0.5   | 0.52   | ug/L  | 105 |     |      |      | 82  | 129    |     |
|               | Heptachlor          | 0.5   | 0.54   | ug/L  | 108 |     |      |      | 79  | 127    |     |
|               | Aldrin              | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 79  | 126    |     |
|               | Heptachlor epoxide  | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 81  | 124    |     |
|               | Endosulfan I        | 0.5   | 0.53   | ug/L  | 105 |     |      |      | 85  | 122    |     |
|               | Dieldrin            | 0.5   | 0.54   | ug/L  | 108 |     |      |      | 83  | 125    |     |
|               | 4,4'-DDE            | 0.5   | 0.56   | ug/L  | 113 |     |      |      | 80  | 127    |     |
|               | Endrin              | 0.5   | 0.52   | ug/L  | 105 |     |      |      | 81  | 128    |     |
|               | Endosulfan II       | 0.5   | 0.54   | ug/L  | 107 |     |      |      | 82  | 123    |     |
|               | 4,4'-DDD            | 0.5   | 0.52   | ug/L  | 103 |     |      |      | 77  | 131    |     |
|               | Endosulfan sulfate  | 0.5   | 0.54   | ug/L  | 108 |     |      |      | 76  | 129    |     |
|               | 4,4'-DDT            | 0.5   | 0.55   | ug/L  | 110 |     |      |      | 80  | 133    |     |
|               | Methoxychlor        | 0.5   | 0.54   | ug/L  | 107 |     |      |      | 78  | 108    |     |
|               | Endrin ketone       | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 80  | 131    |     |
|               | Endrin aldehyde     | 0.5   | 0.54   | ug/L  | 108 |     |      |      | 82  | 127    |     |
|               | alpha-Chlordane     | 0.5   | 0.54   | ug/L  | 107 |     |      |      | 82  | 125    |     |
|               | gamma-Chlordane     | 0.5   | 0.52   | ug/L  | 104 |     |      |      | 82  | 125    |     |

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

SW-846

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Datafile : PL091654.D

| Lab Sample ID | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB163229BSD   | alpha-BHC           | 0.5   | 0.47   | ug/L  | 94  | 10  |      |      | 85  | 130    | 20  |
|               | beta-BHC            | 0.5   | 0.46   | ug/L  | 91  | 11  |      |      | 83  | 126    | 20  |
|               | delta-BHC           | 0.5   | 0.47   | ug/L  | 93  | 16  |      |      | 69  | 141    | 20  |
|               | gamma-BHC (Lindane) | 0.5   | 0.47   | ug/L  | 93  | 12  |      |      | 82  | 129    | 20  |
|               | Heptachlor          | 0.5   | 0.47   | ug/L  | 94  | 14  |      |      | 79  | 127    | 20  |
|               | Aldrin              | 0.5   | 0.46   | ug/L  | 92  | 14  |      |      | 79  | 126    | 20  |
|               | Heptachlor epoxide  | 0.5   | 0.46   | ug/L  | 91  | 9   |      |      | 81  | 124    | 20  |
|               | Endosulfan I        | 0.5   | 0.48   | ug/L  | 96  | 9   |      |      | 85  | 122    | 20  |
|               | Dieldrin            | 0.5   | 0.48   | ug/L  | 96  | 12  |      |      | 83  | 125    | 20  |
|               | 4,4'-DDE            | 0.5   | 0.48   | ug/L  | 96  | 16  |      |      | 80  | 127    | 20  |
|               | Endrin              | 0.5   | 0.44   | ug/L  | 88  | 18  |      |      | 81  | 128    | 20  |
|               | Endosulfan II       | 0.5   | 0.48   | ug/L  | 96  | 11  |      |      | 82  | 123    | 20  |
|               | 4,4'-DDD            | 0.5   | 0.50   | ug/L  | 99  | 4   |      |      | 77  | 131    | 20  |
|               | Endosulfan sulfate  | 0.5   | 0.50   | ug/L  | 99  | 9   |      |      | 76  | 129    | 20  |
|               | 4,4'-DDT            | 0.5   | 0.45   | ug/L  | 90  | 20  |      |      | 80  | 133    | 20  |
|               | Methoxychlor        | 0.5   | 0.46   | ug/L  | 92  | 15  |      |      | 78  | 108    | 20  |
|               | Endrin ketone       | 0.5   | 0.51   | ug/L  | 103 | 3   |      |      | 80  | 131    | 20  |
|               | Endrin aldehyde     | 0.5   | 0.50   | ug/L  | 100 | 8   |      |      | 82  | 127    | 20  |
|               | alpha-Chlordane     | 0.5   | 0.49   | ug/L  | 98  | 9   |      |      | 82  | 125    | 20  |
|               | gamma-Chlordane     | 0.5   | 0.47   | ug/L  | 95  | 9   |      |      | 82  | 125    | 20  |



4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163229BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: PB163229BL

Lab File ID: PL091610.D

Matrix: (soil/water) WATER

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

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/09/2024

Date Analyzed (1): 09/10/2024

Date Analyzed (2): 09/10/2024

Time Analyzed (1): 12:40

Time Analyzed (2): 12:40

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB163229BS        | PB163229BS       | PL091611.D     | 09/10/2024         | 09/10/2024         |
| PB163229BSD       | PB163229BSD      | PL091654.D     | 09/11/2024         | 09/11/2024         |
| PT-PEST-WP        | P3845-09         | PL091996.D     | 09/24/2024         | 09/24/2024         |

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



# SAMPLE DATA

## Report of Analysis

|                    |                           |        |      |                    |                  |           |
|--------------------|---------------------------|--------|------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected:    | 09/03/24         |           |
| Project:           | NJ Waste Water PT         |        |      | Date Received:     | 09/05/24         |           |
| Client Sample ID:  | PT-PEST-WP                |        |      | SDG No.:           | P3845            |           |
| Lab Sample ID:     | P3845-09                  |        |      | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |      | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL   | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL   | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |      | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       |        | PH : |                    |                  |           |
| Prep Method :      | 3510C                     |        |      |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|----------------|----------------|---------------|
| PL091996.D        | 1         | 09/09/24 10:10 | 09/24/24 12:35 | PB163229      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 14.4  | E         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 11.9  | E         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 15.0  | E         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 6.90  | E         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 4.60  | E         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 7.50  | E         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 7.00  | E         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 10.3  | E         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 11.6  | E         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 5.20  | E         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 2.30  | E         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 6.20  | E         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 8.70  | EP        | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 4.90  | E         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 5.20  | E         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 7.20  | E         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 13.8  | E         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 14.0  | E         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 6.70  | E         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 3.50  | E         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.1  |           | 43 - 140 | 111%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 33.8  | *         | 77 - 126 | 169%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/03/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/05/24         |           |
| Client Sample ID:  | PT-PEST-WP                |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | P3845-09                  |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL091996.D        | 1         | 09/09/24 10:10 | 09/24/24 12:35 | PB163229      |

| 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\PL092424\  
 Data File : PL091996.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Sep 2024 12:35  
 Operator : AR\AJ  
 Sample : P3845-09  
 Misc : PEST/PT  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PT-PEST-WP

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/25/2024  
 Supervised By : Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 25 01:17:24 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 16:44:57 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml     | ng/ml     |
|-----------------------------|-----------------|-------|-------|----------|----------|-----------|-----------|
| -----                       |                 |       |       |          |          |           |           |
| System Monitoring Compounds |                 |       |       |          |          |           |           |
| 1)                          | SA Tetrachlo... | 3.547 | 2.784 | 75102055 | 51286269 | 33.759    | 20.448 #  |
| 28)                         | SA Decachlor... | 9.066 | 7.926 | 36213216 | 54736437 | 22.105    | 21.878    |
| Target Compounds            |                 |       |       |          |          |           |           |
| 2)                          | A alpha-BHC     | 4.007 | 3.287 | 4455.7E6 | 5027.5E6 | 1438.941  | 1379.921  |
| 3)                          | MA gamma-BHC... | 4.339 | 3.617 | 2037.1E6 | 2448.6E6 | 657.387   | 693.471   |
| 4)                          | MA Heptachlor   | 4.928 | 3.957 | 1132.6E6 | 1574.1E6 | 409.537   | 456.168   |
| 5)                          | MB Aldrin       | 5.270 | 4.237 | 1937.4E6 | 2555.2E6 | 697.516   | 751.292   |
| 6)                          | B beta-BHC      | 4.536 | 3.917 | 1418.0E6 | 1786.0E6 | 1069.049  | 1188.224  |
| 7)                          | B delta-BHC     | 4.782 | 4.146 | 4320.8E6 | 5040.3E6 | 1498.079m | 1451.831  |
| 8)                          | B Heptachlo...  | 5.696 | 4.740 | 1678.0E6 | 2125.0E6 | 659.347   | 702.979   |
| 9)                          | A Endosulfan I  | 6.082 | 5.111 | 2228.0E6 | 2820.6E6 | 963.102   | 1027.692  |
| 10)                         | B gamma-Chl...  | 5.951 | 4.990 | 743.8E6  | 1039.1E6 | 300.996   | 345.394   |
| 11)                         | B alpha-Chl...  | 6.030 | 5.054 | 1496.7E6 | 2019.8E6 | 607.578   | 674.730   |
| 12)                         | B 4,4'-DDE      | 6.204 | 5.243 | 1004.9E6 | 1450.3E6 | 464.285   | 521.918   |
| 13)                         | MA Dieldrin     | 6.356 | 5.374 | 2760.8E6 | 3408.7E6 | 1132.018  | 1162.642  |
| 14)                         | MA Endrin       | 6.586 | 5.650 | 406.3E6  | 607.7E6  | 197.164   | 231.742   |
| 15)                         | B Endosulfa...  | 6.805 | 5.945 | 1213.5E6 | 1554.4E6 | 551.676   | 621.179   |
| 16)                         | A 4,4'-DDD      | 6.721 | 5.798 | 1004.7E6 | 1863.0E6 | 559.470   | 872.096 # |
| 17)                         | MA 4,4'-DDT     | 7.034 | 6.048 | 807.1E6  | 1193.1E6 | 438.360   | 515.774   |
| 18)                         | B Endrin al...  | 6.935 | 6.125 | 2321.5E6 | 2862.7E6 | 1332.082  | 1402.795  |
| 19)                         | B Endosulfa...  | 7.169 | 6.347 | 851.5E6  | 1179.3E6 | 429.569   | 488.839   |
| 20)                         | A Methoxychlor  | 7.510 | 6.624 | 651.9E6  | 900.4E6  | 664.050   | 720.150   |
| 21)                         | B Endrin ke...  | 7.654 | 6.852 | 3026.4E6 | 3722.2E6 | 1377.163  | 1344.263  |
| -----                       |                 |       |       |          |          |           |           |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL091996.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 12:35  
Operator : AR\AJ  
Sample : P3845-09  
Misc : PEST/PT  
ALS Vial : 7 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PT-PEST-WP

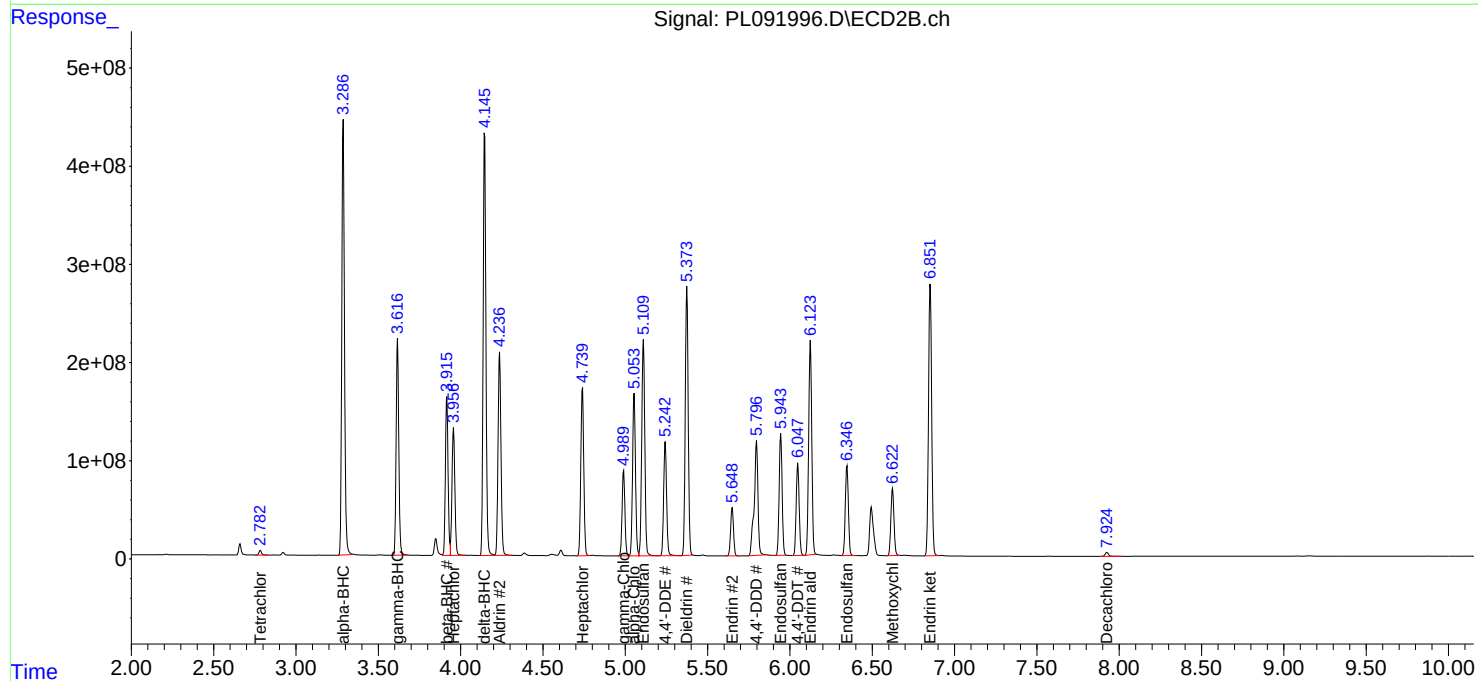
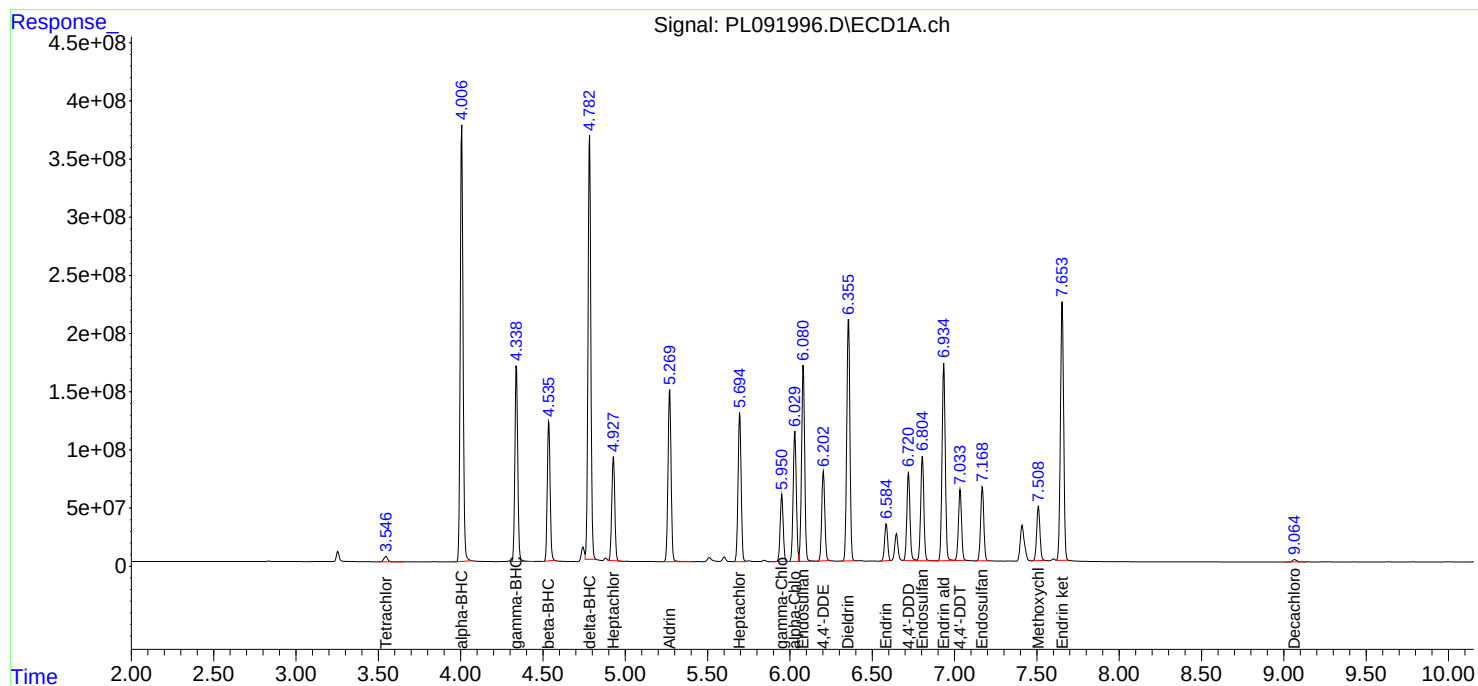
## Manual Integrations

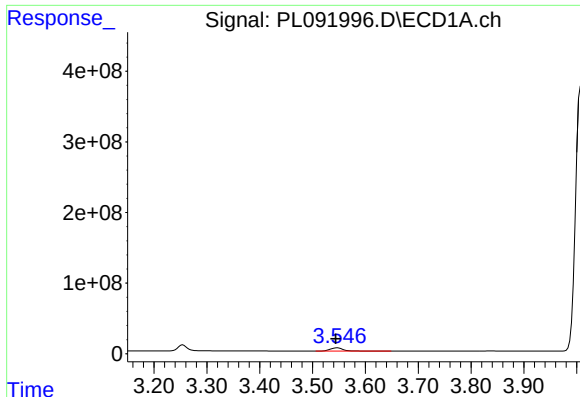
## APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:17:24 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





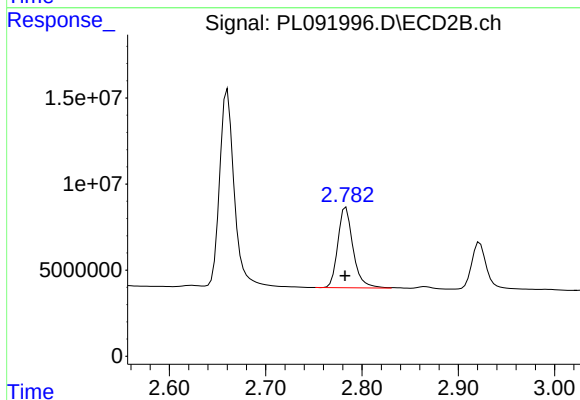
## #1 Tetrachloro-m-xylene

R.T.: 3.547 min  
Delta R.T.: 0.003 min  
Response: 75102055  
Conc: 33.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

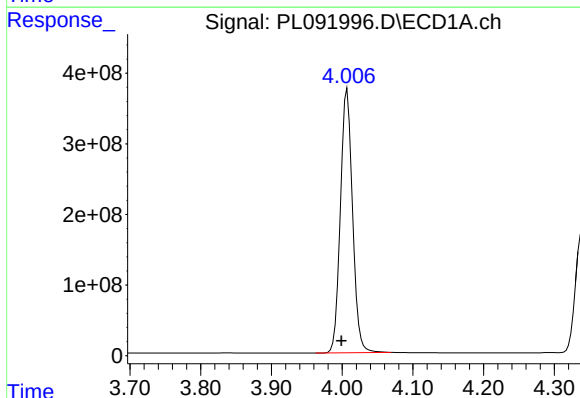
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



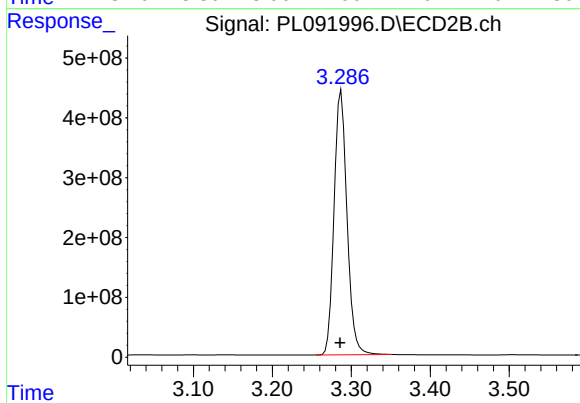
## #1 Tetrachloro-m-xylene

R.T.: 2.784 min  
Delta R.T.: 0.001 min  
Response: 51286269  
Conc: 20.45 ng/ml



## #2 alpha-BHC

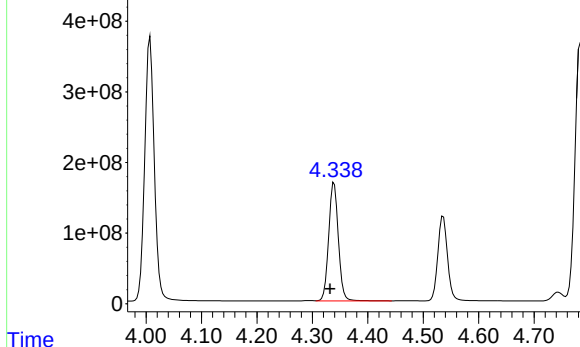
R.T.: 4.007 min  
Delta R.T.: 0.008 min  
Response: 4455704507  
Conc: 1438.94 ng/ml



## #2 alpha-BHC

R.T.: 3.287 min  
Delta R.T.: 0.002 min  
Response: 5027501451  
Conc: 1379.92 ng/ml

Response\_ Signal: PL091996.D\ECD1A.ch



#3 gamma-BHC (Lindane)

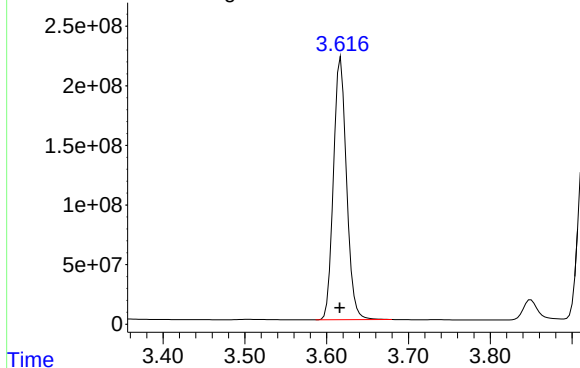
R.T.: 4.339 min  
Delta R.T.: 0.007 min  
Response: 2037112983  
Conc: 657.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

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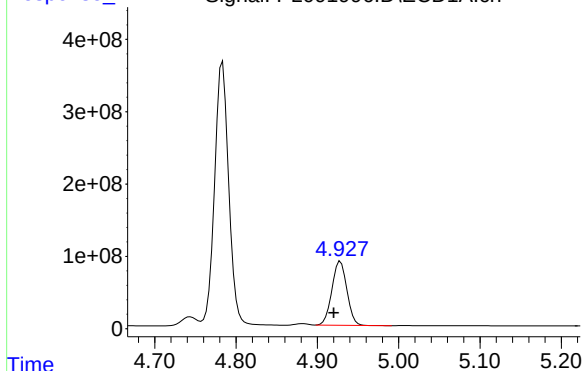
Response\_ Signal: PL091996.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.617 min  
Delta R.T.: 0.001 min  
Response: 2448629130  
Conc: 693.47 ng/ml

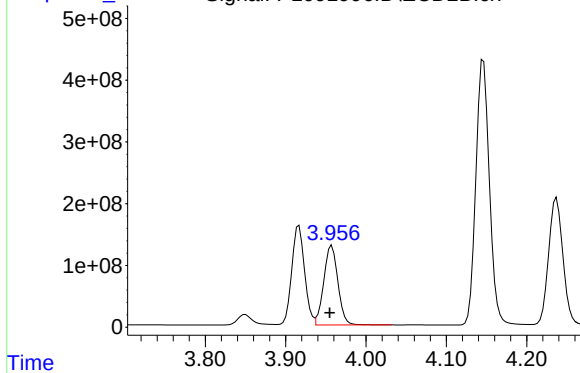
Response\_ Signal: PL091996.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.928 min  
Delta R.T.: 0.008 min  
Response: 1132557417  
Conc: 409.54 ng/ml

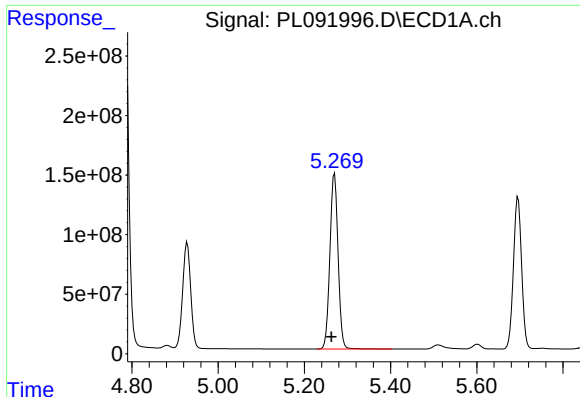
Response\_ Signal: PL091996.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.957 min  
Delta R.T.: 0.002 min  
Response: 1574059346  
Conc: 456.17 ng/ml





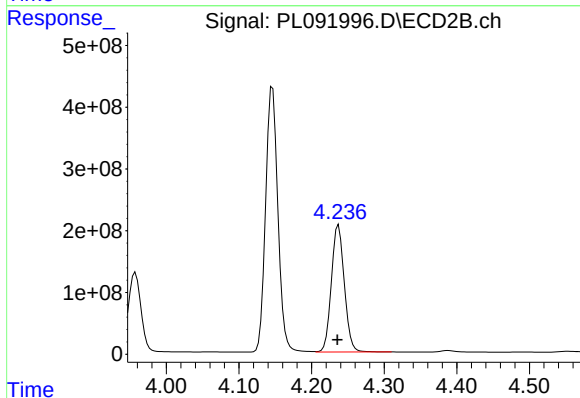
#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: 0.007 min  
Response: 1937413208  
Conc: 697.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

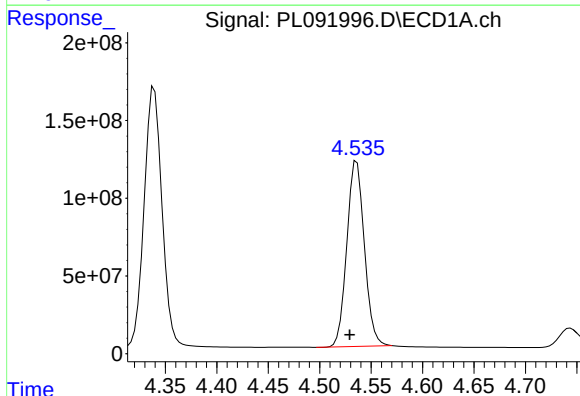
Manual Integrations  
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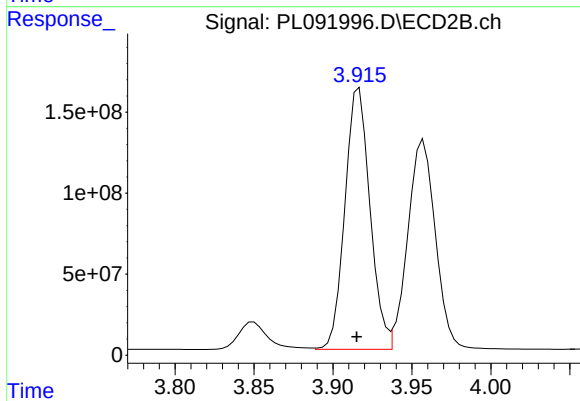
#5 Aldrin

R.T.: 4.237 min  
Delta R.T.: 0.002 min  
Response: 2555218452  
Conc: 751.29 ng/ml



#6 beta-BHC

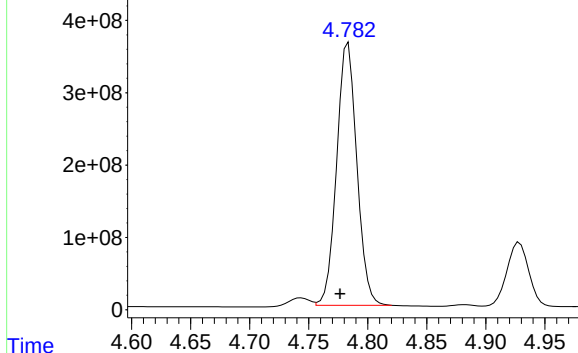
R.T.: 4.536 min  
Delta R.T.: 0.007 min  
Response: 1417961086  
Conc: 1069.05 ng/ml



#6 beta-BHC

R.T.: 3.917 min  
Delta R.T.: 0.002 min  
Response: 1786016876  
Conc: 1188.22 ng/ml

Response\_ Signal: PL091996.D\ECD1A.ch



#7 delta-BHC

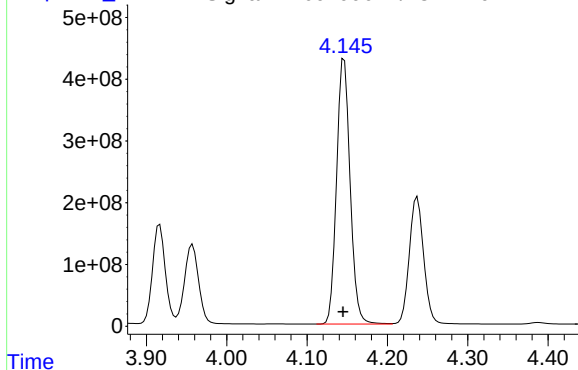
R.T.: 4.782 min  
Delta R.T.: 0.006 min  
Response: 4320775403  
Conc: 1498.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

**Manual Integrations  
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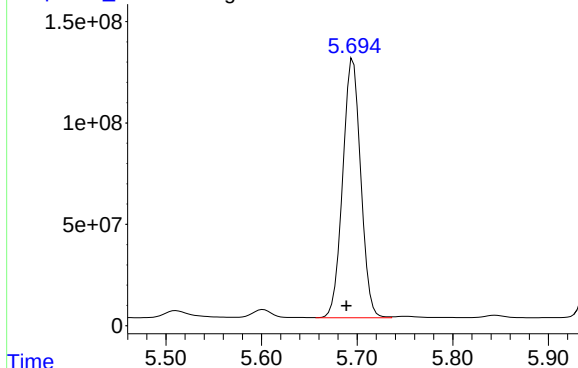
Response\_ Signal: PL091996.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.146 min  
Delta R.T.: 0.002 min  
Response: 5040310489  
Conc: 1451.83 ng/ml

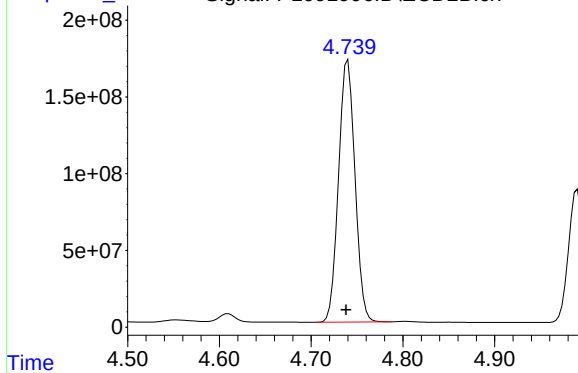
Response\_ Signal: PL091996.D\ECD1A.ch



#8 Heptachlor epoxide

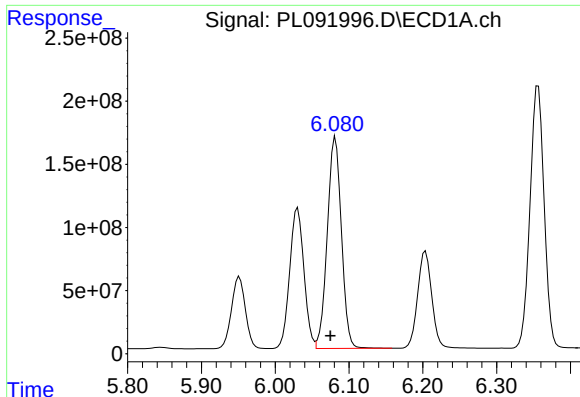
R.T.: 5.696 min  
Delta R.T.: 0.007 min  
Response: 1678035548  
Conc: 659.35 ng/ml

Response\_ Signal: PL091996.D\ECD2B.ch



#8 Heptachlor epoxide

R.T.: 4.740 min  
Delta R.T.: 0.002 min  
Response: 2125024900  
Conc: 702.98 ng/ml



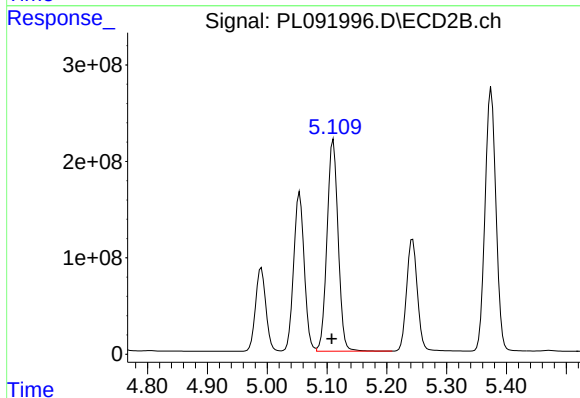
## #9 Endosulfan I

R.T.: 6.082 min  
Delta R.T.: 0.007 min  
Response: 2228037547  
Conc: 963.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

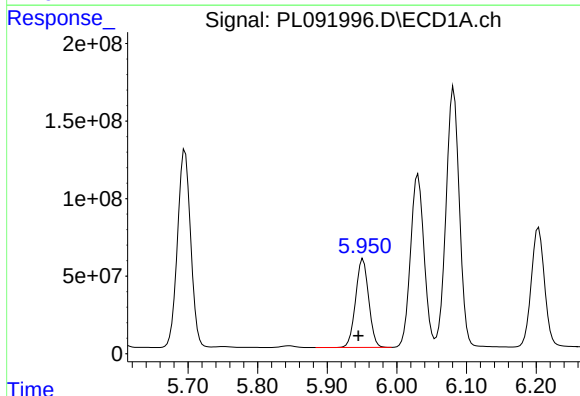
**Manual Integrations  
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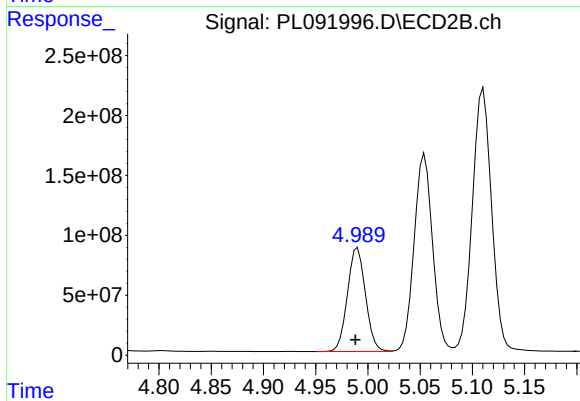
## #9 Endosulfan I

R.T.: 5.111 min  
Delta R.T.: 0.002 min  
Response: 2820642078  
Conc: 1027.69 ng/ml



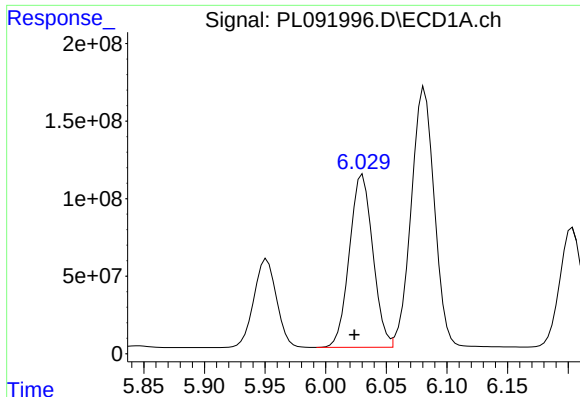
## #10 gamma-Chlordane

R.T.: 5.951 min  
Delta R.T.: 0.007 min  
Response: 743821414  
Conc: 301.00 ng/ml



## #10 gamma-Chlordane

R.T.: 4.990 min  
Delta R.T.: 0.002 min  
Response: 1039142737  
Conc: 345.39 ng/ml



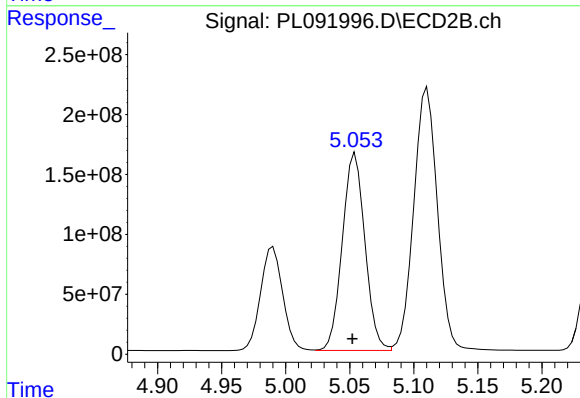
#11 alpha-Chlordane

R.T.: 6.030 min  
Delta R.T.: 0.007 min  
Response: 1496669003  
Conc: 607.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

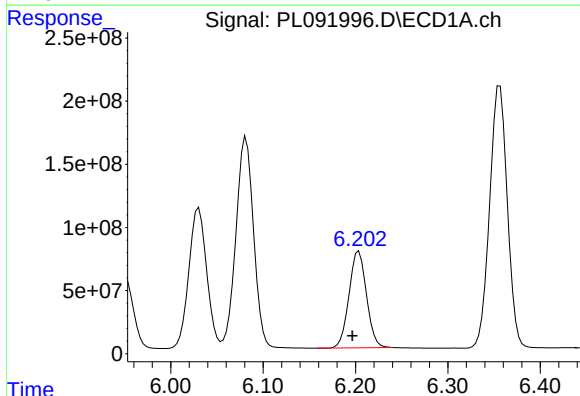
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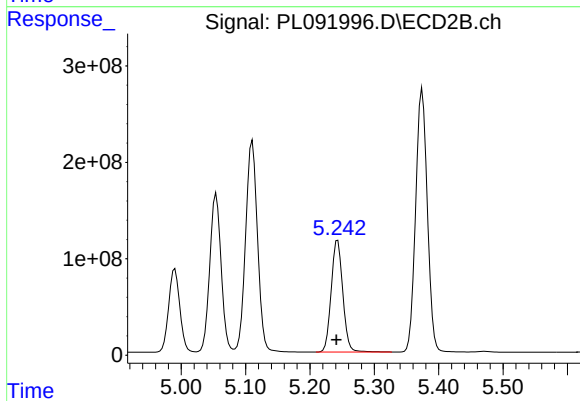
#11 alpha-Chlordane

R.T.: 5.054 min  
Delta R.T.: 0.002 min  
Response: 2019833528  
Conc: 674.73 ng/ml



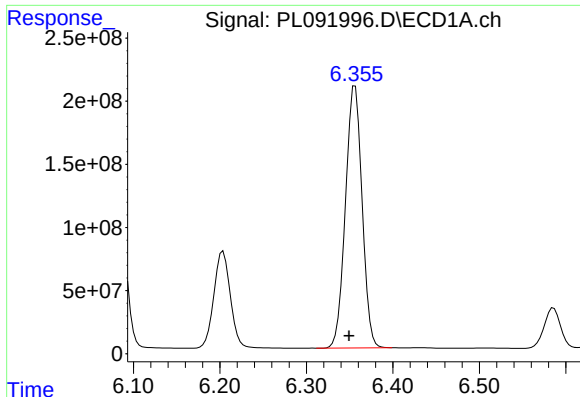
#12 4,4'-DDE

R.T.: 6.204 min  
Delta R.T.: 0.007 min  
Response: 1004910260  
Conc: 464.29 ng/ml



#12 4,4'-DDE

R.T.: 5.243 min  
Delta R.T.: 0.002 min  
Response: 1450328399  
Conc: 521.92 ng/ml



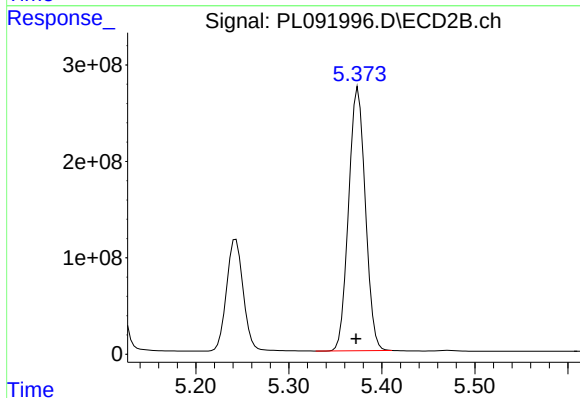
## #13 Dieldrin

R.T.: 6.356 min  
Delta R.T.: 0.007 min  
Response: 2760832212  
Conc: 1132.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

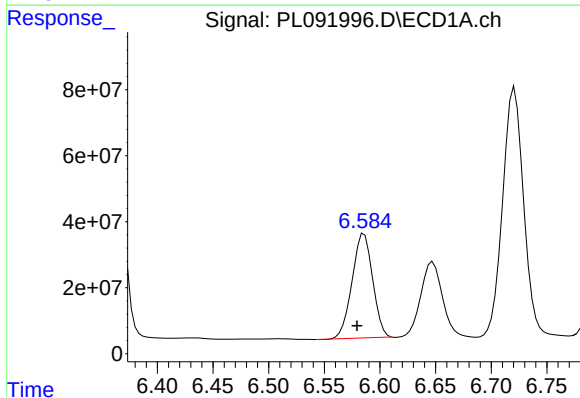
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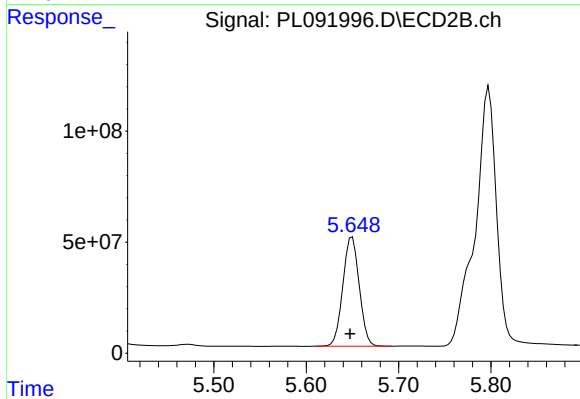
## #13 Dieldrin

R.T.: 5.374 min  
Delta R.T.: 0.002 min  
Response: 3408682712  
Conc: 1162.64 ng/ml



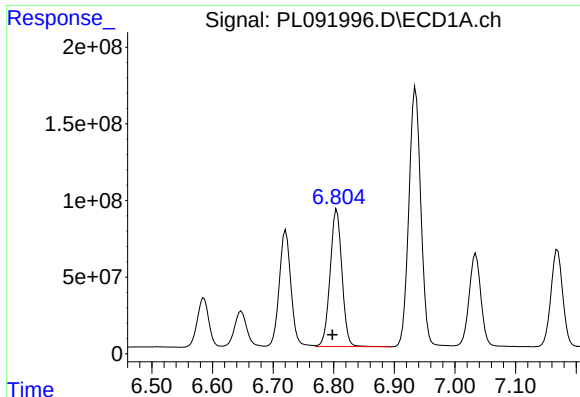
## #14 Endrin

R.T.: 6.586 min  
Delta R.T.: 0.007 min  
Response: 406294764  
Conc: 197.16 ng/ml



## #14 Endrin

R.T.: 5.650 min  
Delta R.T.: 0.002 min  
Response: 607669071  
Conc: 231.74 ng/ml



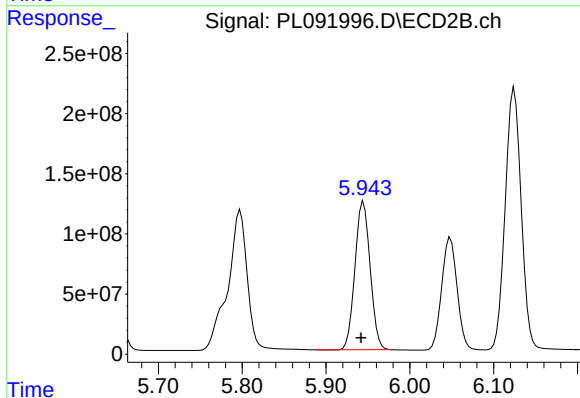
## #15 Endosulfan II

R.T.: 6.805 min  
Delta R.T.: 0.007 min  
Response: 1213536341  
Conc: 551.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

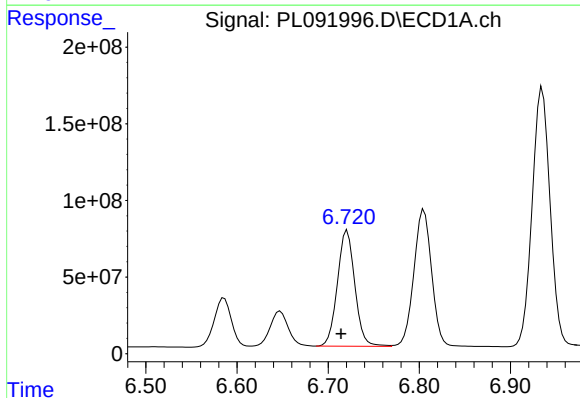
Manual Integrations  
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Supervised By :Ankita Jodhani 09/25/2024



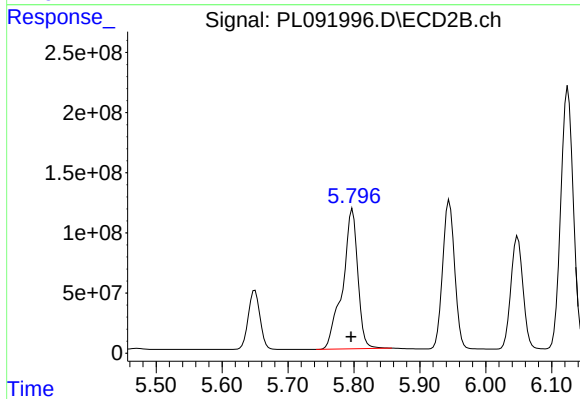
## #15 Endosulfan II

R.T.: 5.945 min  
Delta R.T.: 0.003 min  
Response: 1554443120  
Conc: 621.18 ng/ml



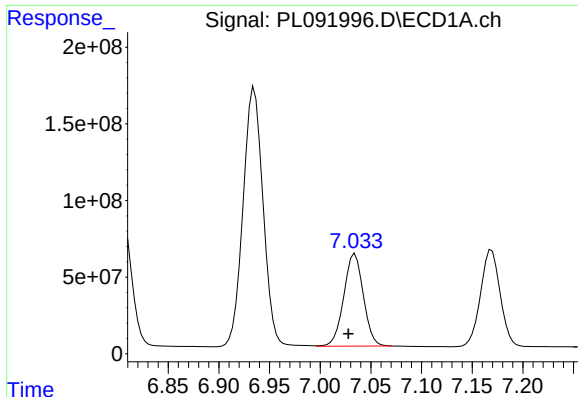
## #16 4,4'-DDD

R.T.: 6.721 min  
Delta R.T.: 0.007 min  
Response: 1004650107  
Conc: 559.47 ng/ml



## #16 4,4'-DDD

R.T.: 5.798 min  
Delta R.T.: 0.002 min  
Response: 1862988108  
Conc: 872.10 ng/ml



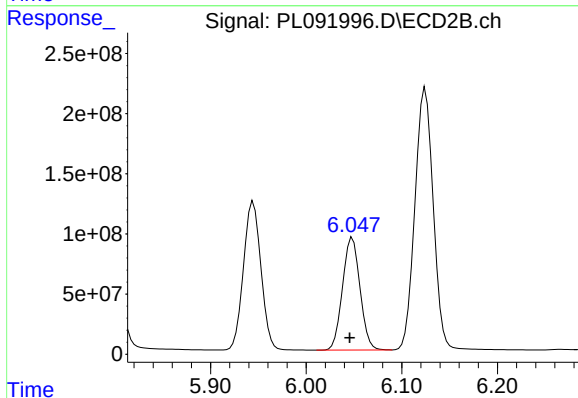
#17 4,4'-DDT

R.T.: 7.034 min  
Delta R.T.: 0.006 min  
Response: 807110799  
Conc: 438.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

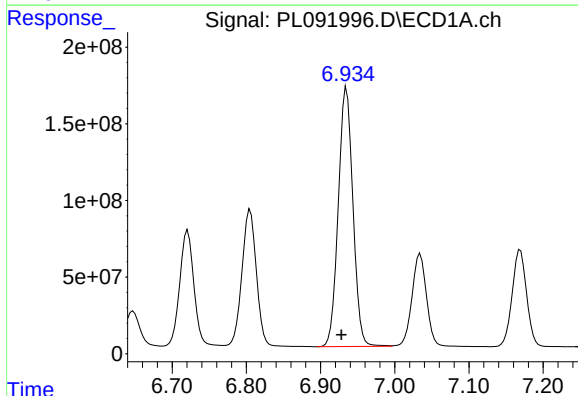
Manual Integrations  
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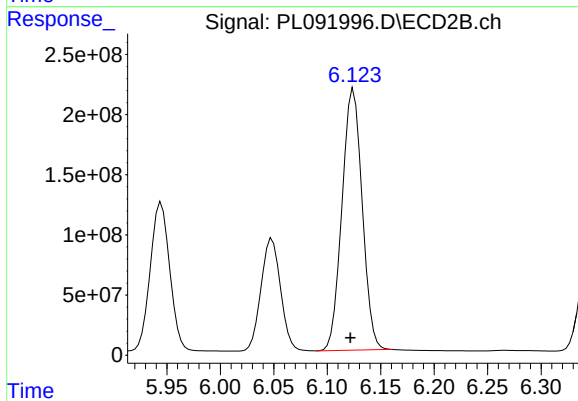
#17 4,4'-DDT

R.T.: 6.048 min  
Delta R.T.: 0.003 min  
Response: 1193071024  
Conc: 515.77 ng/ml



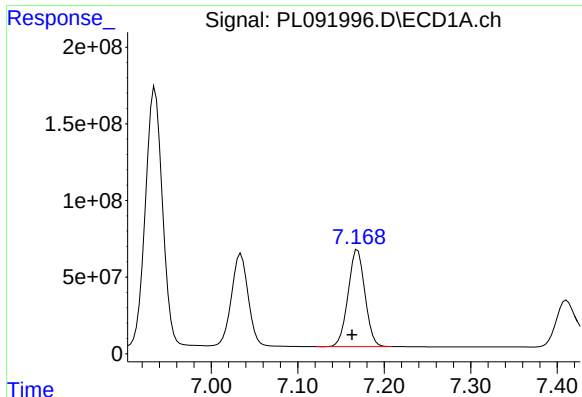
#18 Endrin aldehyde

R.T.: 6.935 min  
Delta R.T.: 0.007 min  
Response: 2321505979  
Conc: 1332.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.125 min  
Delta R.T.: 0.003 min  
Response: 2862714930  
Conc: 1402.79 ng/ml



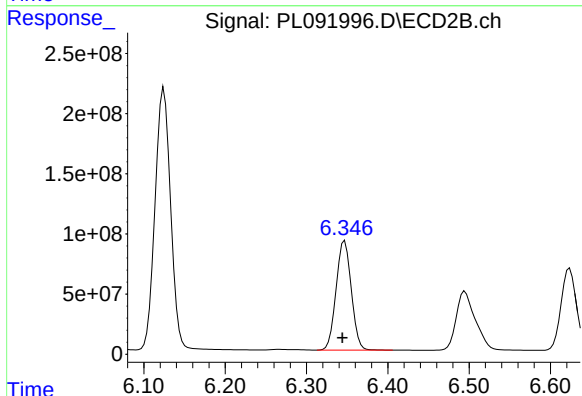
## #19 Endosulfan Sulfate

R.T.: 7.169 min  
Delta R.T.: 0.006 min  
Response: 851523932  
Conc: 429.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

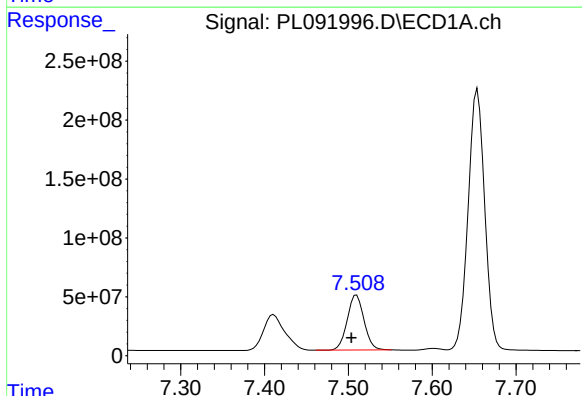
Manual Integrations  
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Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



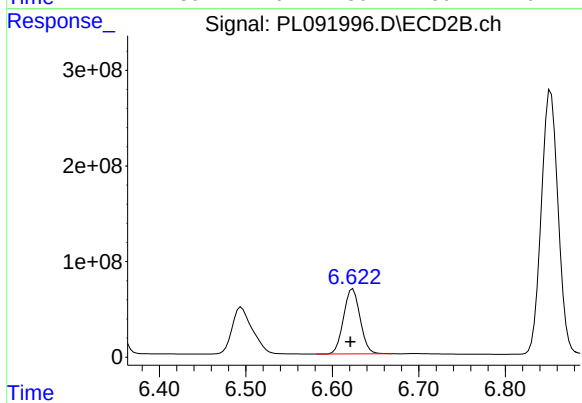
## #19 Endosulfan Sulfate

R.T.: 6.347 min  
Delta R.T.: 0.003 min  
Response: 1179332576  
Conc: 488.84 ng/ml



## #20 Methoxychlor

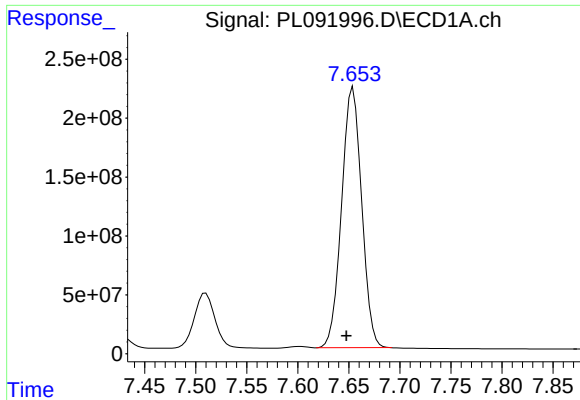
R.T.: 7.510 min  
Delta R.T.: 0.006 min  
Response: 651905286  
Conc: 664.05 ng/ml



## #20 Methoxychlor

R.T.: 6.624 min  
Delta R.T.: 0.003 min  
Response: 900438572  
Conc: 720.15 ng/ml





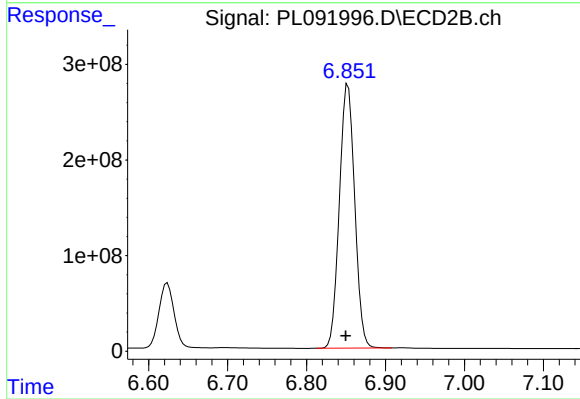
#21 Endrin ketone

R.T.: 7.654 min  
Delta R.T.: 0.007 min  
Response: 3026402285  
Conc: 1377.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WP

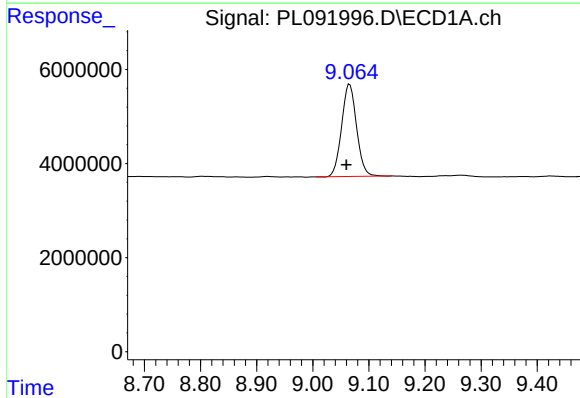
Manual Integrations  
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Supervised By :Ankita Jodhani 09/25/2024



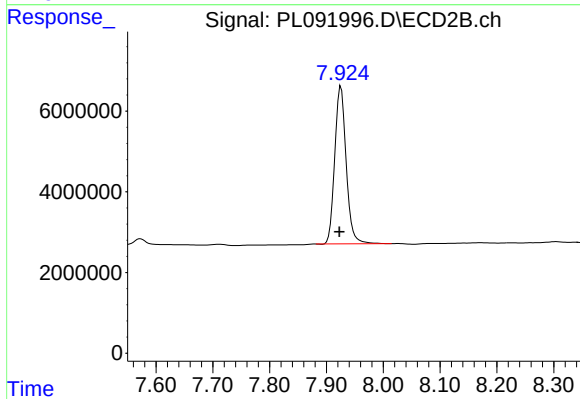
#21 Endrin ketone

R.T.: 6.852 min  
Delta R.T.: 0.003 min  
Response: 3722189717  
Conc: 1344.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.005 min  
Response: 36213216  
Conc: 22.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.926 min  
Delta R.T.: 0.003 min  
Response: 54736437  
Conc: 21.88 ng/ml

## Report of Analysis

|                    |                           |        |    |                    |                  |           |
|--------------------|---------------------------|--------|----|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |    | Date Collected:    | 09/03/24         |           |
| Project:           | NJ Waste Water PT         |        |    | Date Received:     | 09/05/24         |           |
| Client Sample ID:  | PT-PEST-WPDL              |        |    | SDG No.:           | P3845            |           |
| Lab Sample ID:     | P3845-09DL                |        |    | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |    | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |    | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :   |    |                    |                  |           |
| Prep Method :      | 3510C                     |        |    |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|----------------|----------------|---------------|
| PL091999.D        | 10        | 09/09/24 10:10 | 09/24/24 13:19 | PB163229      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 13.8  | ED        | 0.061    | 0.50       | ug/L    |
| 319-85-7          | beta-BHC             | 11.7  | ED        | 0.14     | 0.50       | ug/L    |
| 319-86-8          | delta-BHC            | 14.7  | ED        | 0.15     | 0.50       | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 6.40  | D         | 0.049    | 0.50       | ug/L    |
| 76-44-8           | Heptachlor           | 4.40  | D         | 0.054    | 0.50       | ug/L    |
| 309-00-2          | Aldrin               | 7.30  | D         | 0.044    | 0.50       | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 7.40  | D         | 0.090    | 0.50       | ug/L    |
| 959-98-8          | Endosulfan I         | 11.2  | ED        | 0.050    | 0.50       | ug/L    |
| 60-57-1           | Dieldrin             | 12.6  | ED        | 0.047    | 0.50       | ug/L    |
| 72-55-9           | 4,4-DDE              | 4.70  | D         | 0.045    | 0.50       | ug/L    |
| 72-20-8           | Endrin               | 2.00  | D         | 0.043    | 0.50       | ug/L    |
| 33213-65-9        | Endosulfan II        | 6.20  | D         | 0.075    | 0.50       | ug/L    |
| 72-54-8           | 4,4-DDD              | 7.30  | DP        | 0.092    | 0.50       | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 4.90  | D         | 0.035    | 0.50       | ug/L    |
| 50-29-3           | 4,4-DDT              | 4.40  | D         | 0.044    | 0.50       | ug/L    |
| 72-43-5           | Methoxychlor         | 7.70  | D         | 0.11     | 0.50       | ug/L    |
| 53494-70-5        | Endrin ketone        | 15.8  | ED        | 0.097    | 0.50       | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 15.9  | ED        | 0.099    | 0.50       | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 6.40  | D         | 0.060    | 0.50       | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 3.20  | D         | 0.060    | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 23.9  |           | 43 - 140 | 119%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 33.5  | *         | 77 - 126 | 168%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/03/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/05/24         |           |
| Client Sample ID:  | PT-PEST-WPDL              |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | P3845-09DL                |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL091999.D        | 10        | 09/09/24 10:10 | 09/24/24 13:19 | PB163229      |

| 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\PL092424\  
 Data File : PL091999.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Sep 2024 13:19  
 Operator : AR\AJ  
 Sample : P3845-09DL 10X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PT-PEST-WPDL

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
 Supervised By :Ankita Jodhani 09/26/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 25 01:17:56 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 16:44:57 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|----------|----------|
| -----                       |                 |       |       |          |          |          |          |
| System Monitoring Compounds |                 |       |       |          |          |          |          |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 7446427  | 5560697  | 3.347m   | 2.217 #  |
| 28)                         | SA Decachlor... | 9.065 | 7.925 | 3909788  | 5616144  | 2.387    | 2.245    |
| Target Compounds            |                 |       |       |          |          |          |          |
| 2)                          | A alpha-BHC     | 4.005 | 3.287 | 390.5E6  | 503.0E6  | 126.103  | 138.052  |
| 3)                          | MA gamma-BHC... | 4.336 | 3.617 | 183.2E6  | 227.3E6  | 59.120   | 64.359   |
| 4)                          | MA Heptachlor   | 4.925 | 3.956 | 113.8E6  | 150.9E6  | 41.162   | 43.723   |
| 5)                          | MB Aldrin       | 5.267 | 4.236 | 184.7E6  | 249.6E6  | 66.514   | 73.399   |
| 6)                          | B beta-BHC      | 4.534 | 3.916 | 141.7E6  | 175.9E6  | 106.801  | 117.052  |
| 7)                          | B delta-BHC     | 4.780 | 4.145 | 382.1E6  | 509.0E6  | 132.473m | 146.602  |
| 8)                          | B Heptachlo...  | 5.693 | 4.739 | 175.4E6  | 223.2E6  | 68.902   | 73.825   |
| 9)                          | A Endosulfan I  | 6.078 | 5.109 | 231.7E6  | 307.9E6  | 100.176  | 112.191  |
| 10)                         | B gamma-Chl...  | 5.949 | 4.989 | 80139757 | 92047595 | 32.430   | 30.595   |
| 11)                         | B alpha-Chl...  | 6.028 | 5.053 | 147.8E6  | 190.1E6  | 60.006   | 63.520   |
| 12)                         | B 4,4'-DDE      | 6.201 | 5.242 | 94345807 | 129.6E6  | 43.589   | 46.620   |
| 13)                         | MA Dieldrin     | 6.353 | 5.373 | 271.4E6  | 370.9E6  | 111.295  | 126.493  |
| 14)                         | MA Endrin       | 6.583 | 5.648 | 42169586 | 53631689 | 20.464   | 20.453   |
| 15)                         | B Endosulfa...  | 6.802 | 5.944 | 126.0E6  | 155.9E6  | 57.273   | 62.294   |
| 16)                         | A 4,4'-DDD      | 6.718 | 5.796 | 97491929 | 154.9E6  | 54.291   | 72.511 # |
| 17)                         | MA 4,4'-DDT     | 7.032 | 6.047 | 77364789 | 101.3E6  | 42.019   | 43.787   |
| 18)                         | B Endrin al...  | 6.933 | 6.123 | 247.6E6  | 324.3E6  | 142.079  | 158.938  |
| 19)                         | B Endosulfa...  | 7.167 | 6.345 | 91672191 | 117.3E6  | 46.246   | 48.611   |
| 20)                         | A Methoxychlor  | 7.507 | 6.622 | 71857284 | 95973300 | 73.196   | 76.757   |
| 21)                         | B Endrin ke...  | 7.651 | 6.851 | 315.0E6  | 437.2E6  | 143.324  | 157.878  |
| -----                       |                 |       |       |          |          |          |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL091999.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 13:19  
Operator : AR\AJ  
Sample : P3845-09DL 10X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

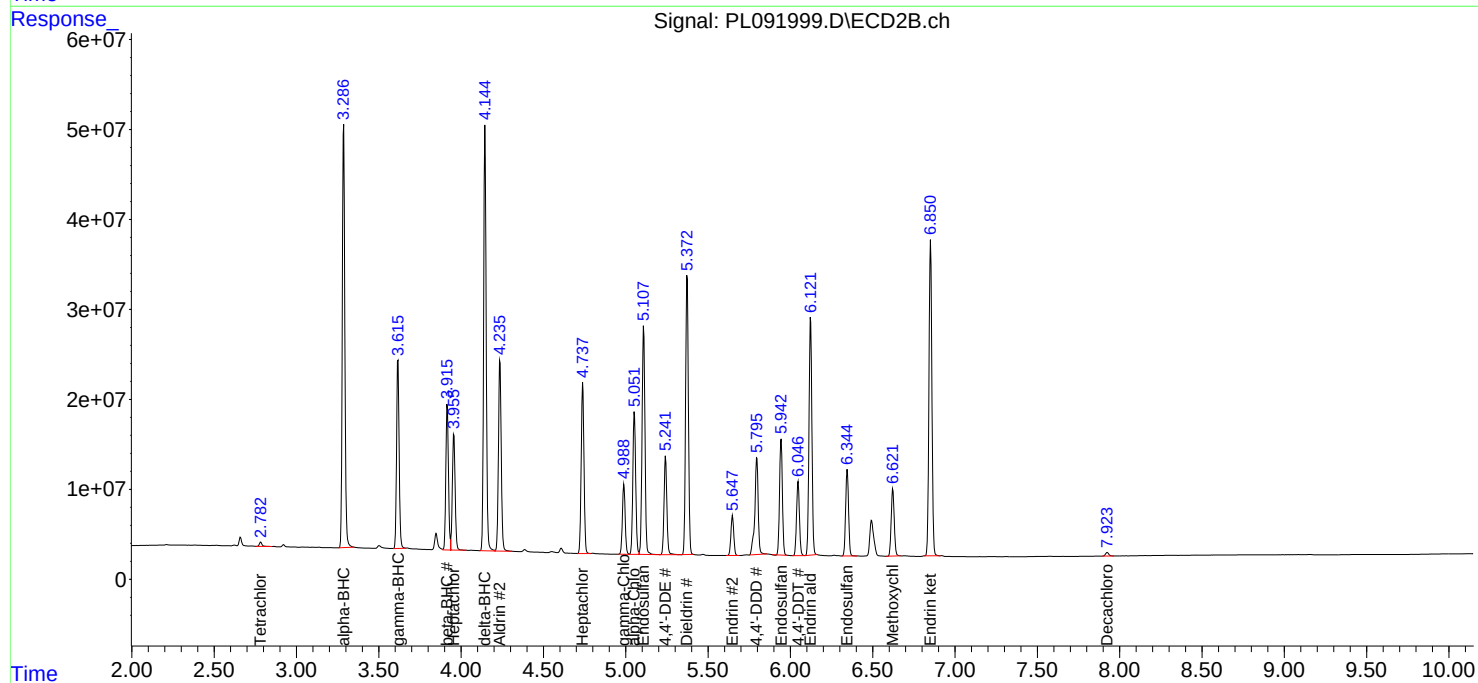
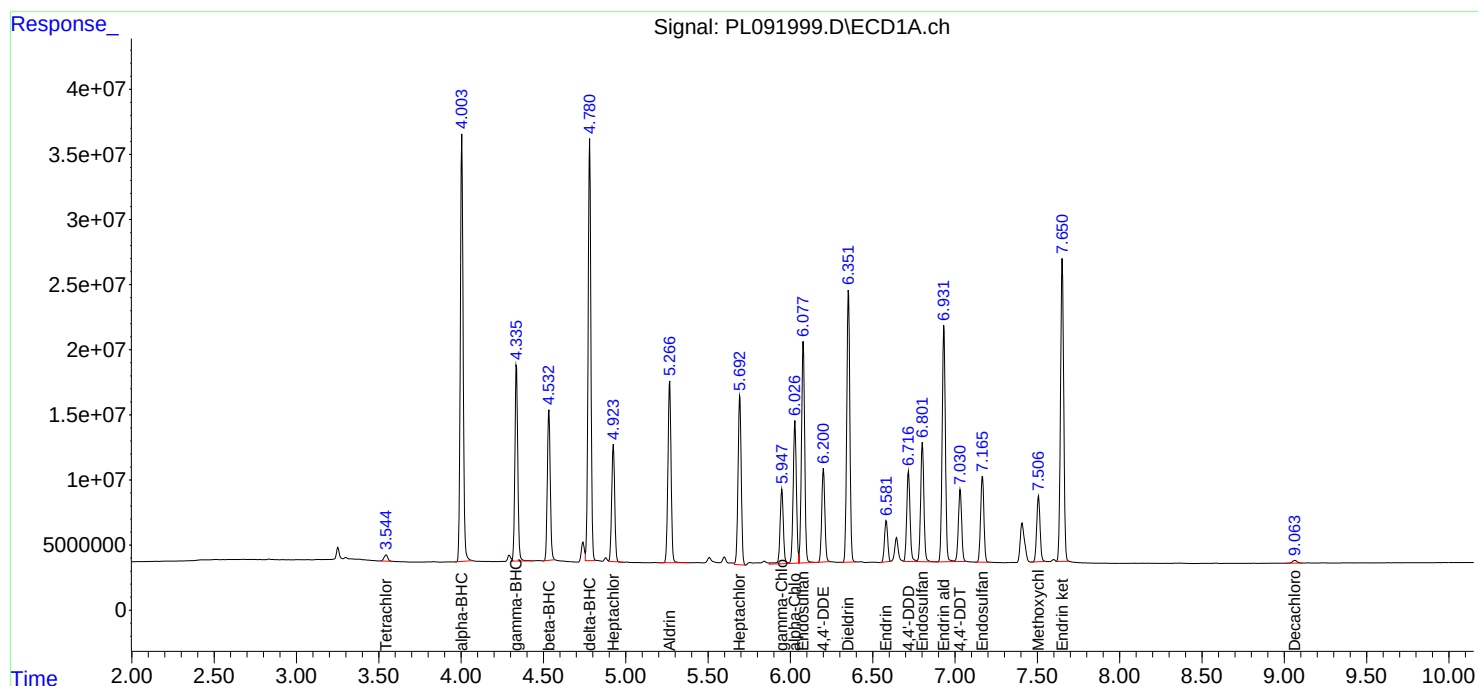
Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

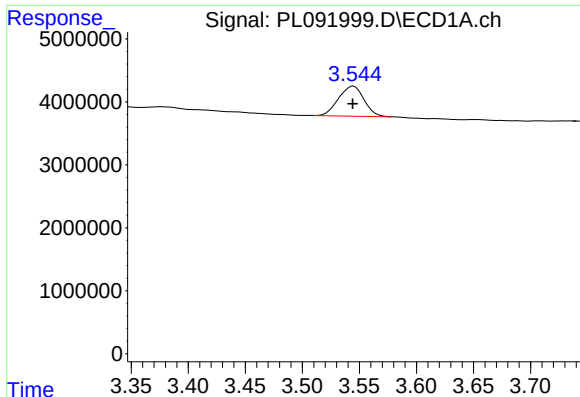
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 09/25/2024  
Supervised By : Ankita Jodhani 09/26/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:17:56 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





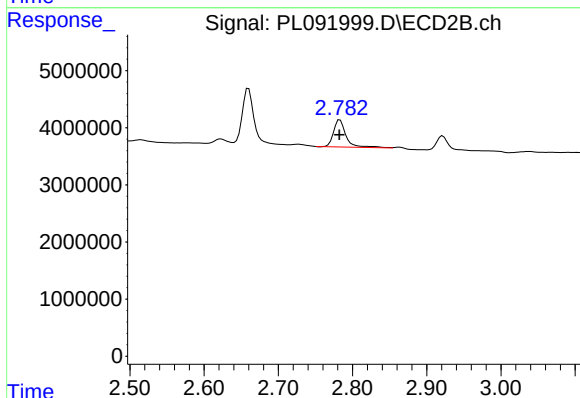
## #1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 7446427  
Conc: 3.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

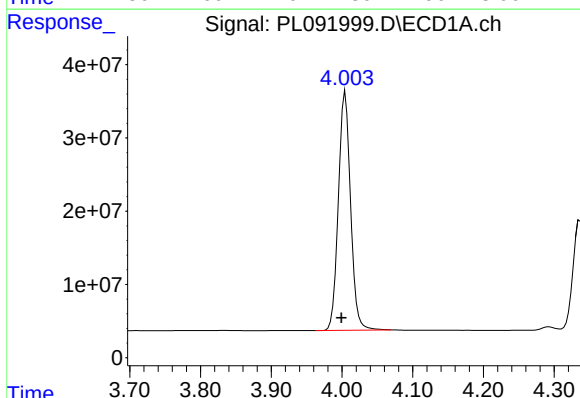
**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



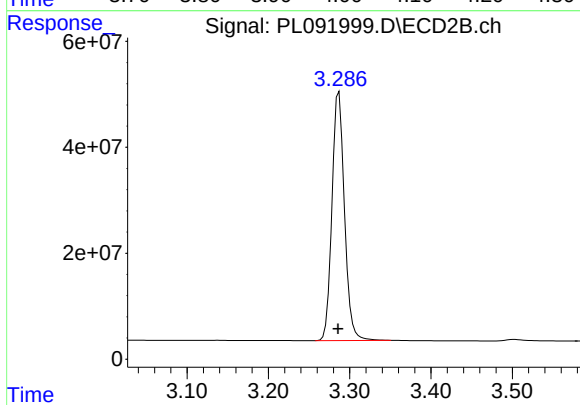
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 5560697  
Conc: 2.22 ng/ml



## #2 alpha-BHC

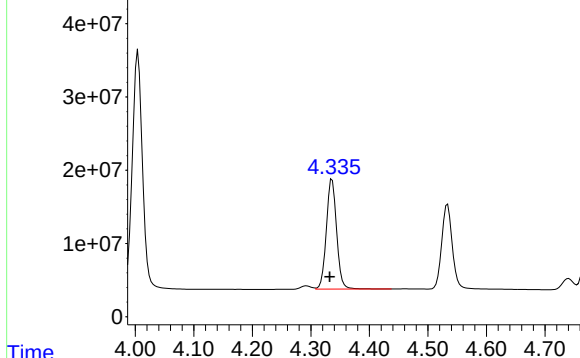
R.T.: 4.005 min  
Delta R.T.: 0.005 min  
Response: 390481418  
Conc: 126.10 ng/ml



## #2 alpha-BHC

R.T.: 3.287 min  
Delta R.T.: 0.001 min  
Response: 502967561  
Conc: 138.05 ng/ml

Response\_ Signal: PL091999.D\ECD1A.ch



#3 gamma-BHC (Lindane)

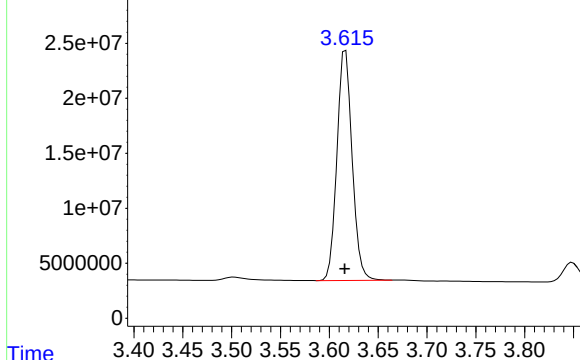
R.T.: 4.336 min  
Delta R.T.: 0.004 min  
Response: 183202187  
Conc: 59.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024

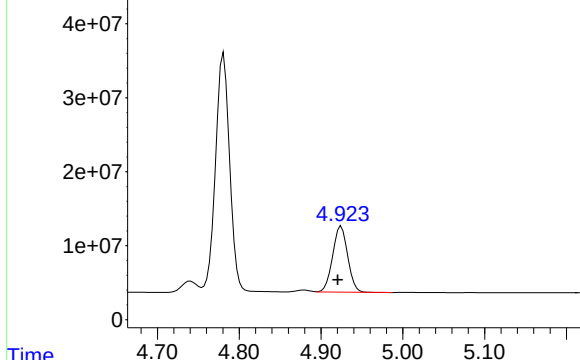
Response\_ Signal: PL091999.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.617 min  
Delta R.T.: 0.000 min  
Response: 227250397  
Conc: 64.36 ng/ml

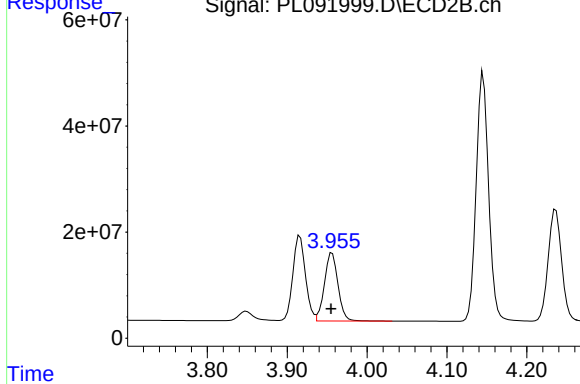
Response\_ Signal: PL091999.D\ECD1A.ch



#4 Heptachlor

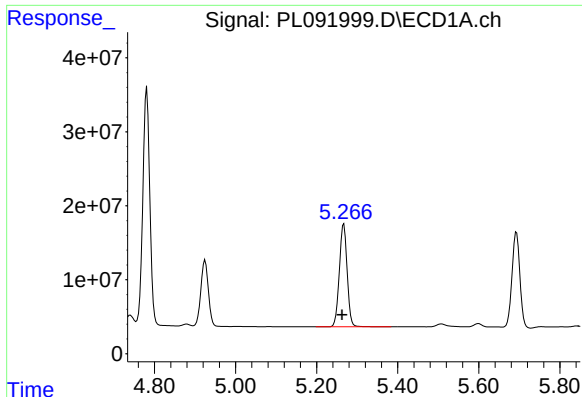
R.T.: 4.925 min  
Delta R.T.: 0.004 min  
Response: 113832762  
Conc: 41.16 ng/ml

Response\_ Signal: PL091999.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.956 min  
Delta R.T.: 0.001 min  
Response: 150871826  
Conc: 43.72 ng/ml



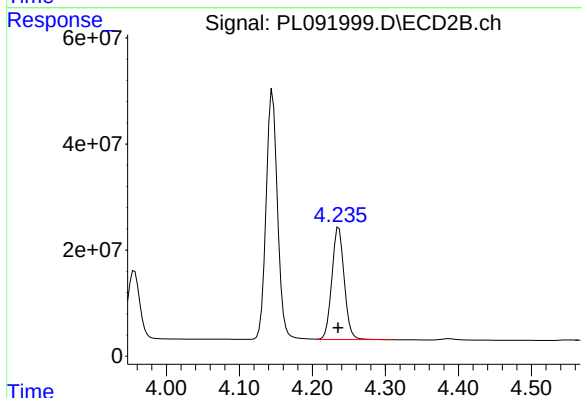
#5 Aldrin

R.T.: 5.267 min  
Delta R.T.: 0.004 min  
Response: 184747323  
Conc: 66.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

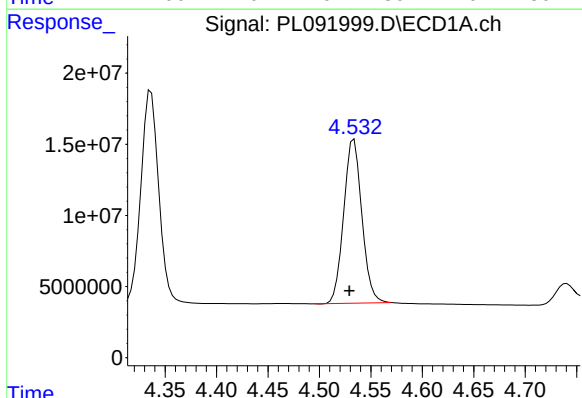
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



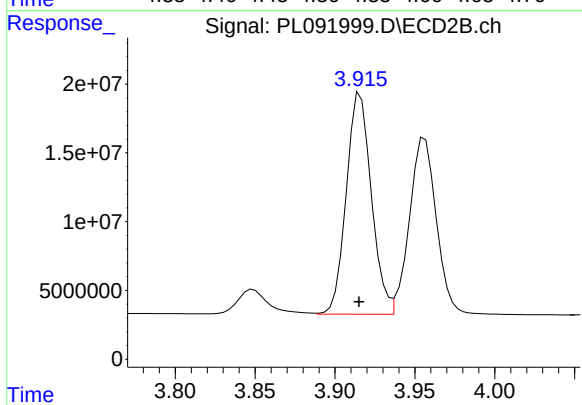
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 249638786  
Conc: 73.40 ng/ml



#6 beta-BHC

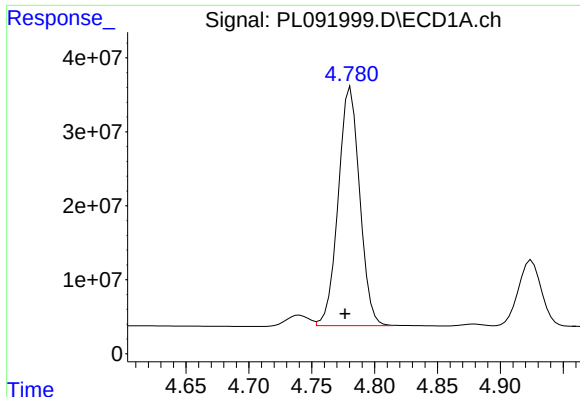
R.T.: 4.534 min  
Delta R.T.: 0.004 min  
Response: 141657822  
Conc: 106.80 ng/ml



#6 beta-BHC

R.T.: 3.916 min  
Delta R.T.: 0.000 min  
Response: 175940078  
Conc: 117.05 ng/ml





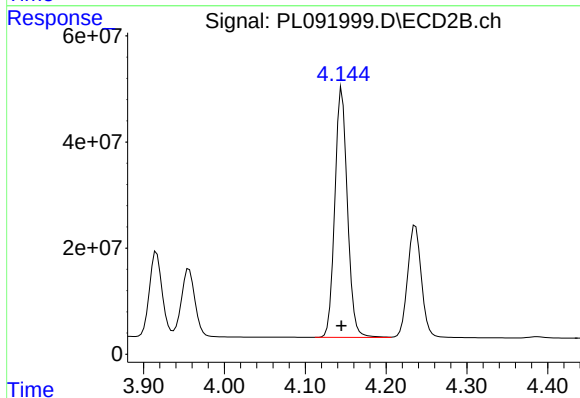
#7 delta-BHC

R.T.: 4.780 min  
Delta R.T.: 0.003 min  
Response: 382079625  
Conc: 132.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

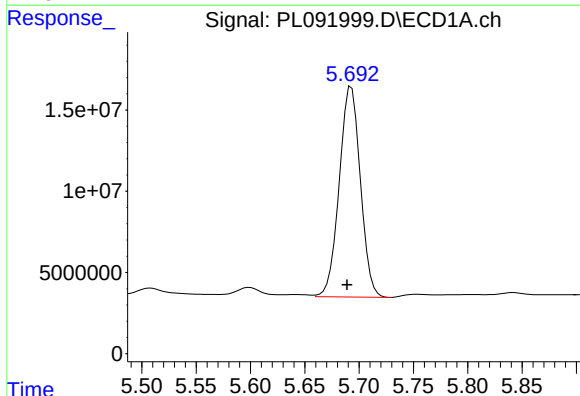
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



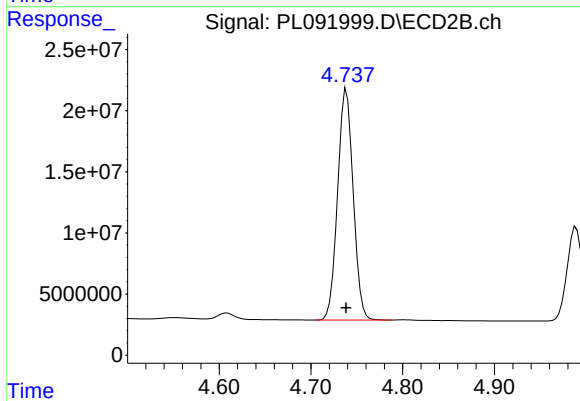
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 508957582  
Conc: 146.60 ng/ml



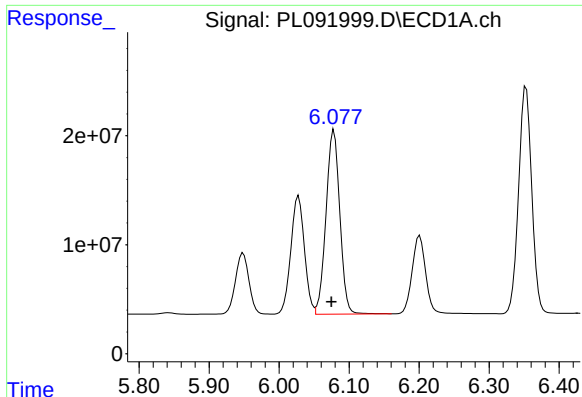
#8 Heptachlor epoxide

R.T.: 5.693 min  
Delta R.T.: 0.004 min  
Response: 175355283  
Conc: 68.90 ng/ml



#8 Heptachlor epoxide

R.T.: 4.739 min  
Delta R.T.: 0.000 min  
Response: 223164776  
Conc: 73.83 ng/ml



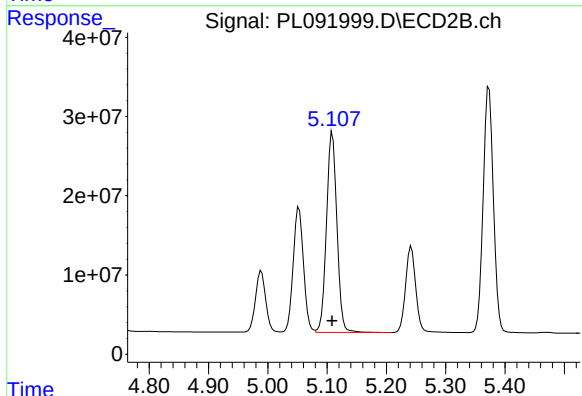
## #9 Endosulfan I

R.T.: 6.078 min  
Delta R.T.: 0.003 min  
Response: 231746609  
Conc: 100.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

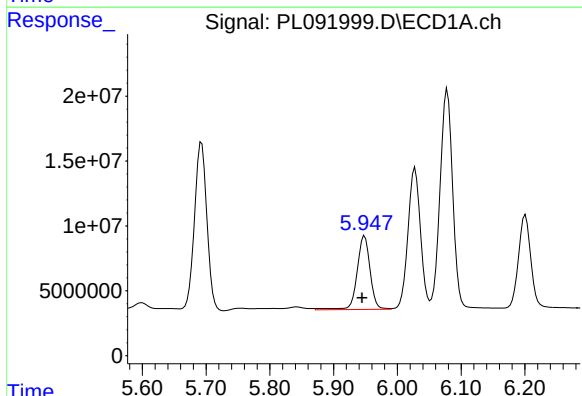
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



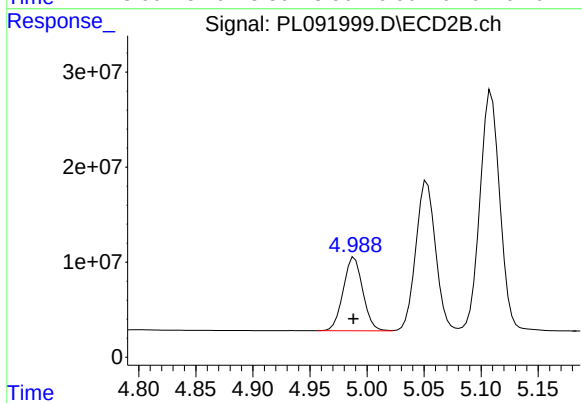
## #9 Endosulfan I

R.T.: 5.109 min  
Delta R.T.: 0.000 min  
Response: 307922408  
Conc: 112.19 ng/ml



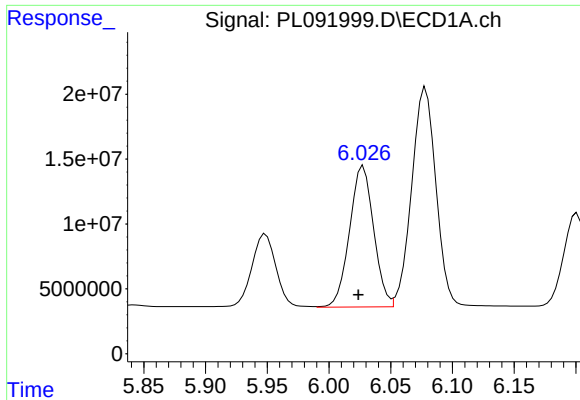
## #10 gamma-Chlordane

R.T.: 5.949 min  
Delta R.T.: 0.004 min  
Response: 80139757  
Conc: 32.43 ng/ml



## #10 gamma-Chlordane

R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 92047595  
Conc: 30.60 ng/ml



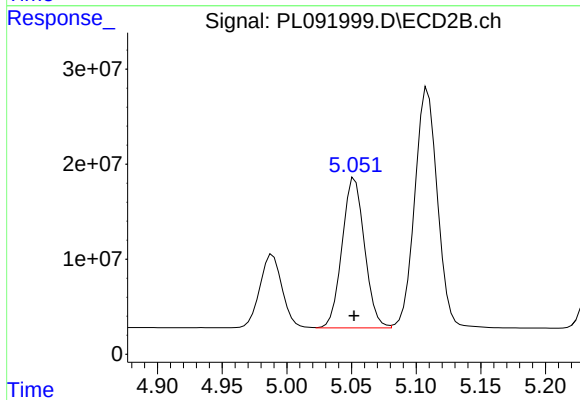
#11 alpha-Chlordane

R.T.: 6.028 min  
Delta R.T.: 0.004 min  
Response: 147814356  
Conc: 60.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

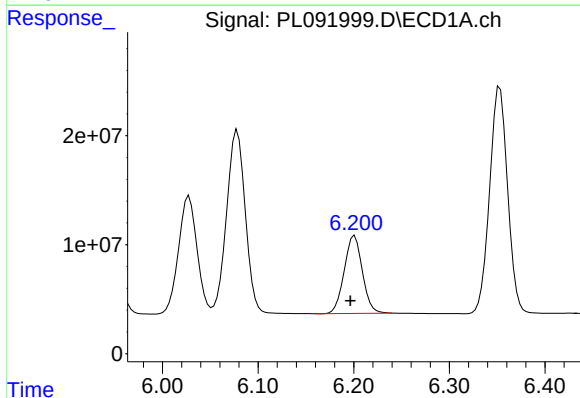
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



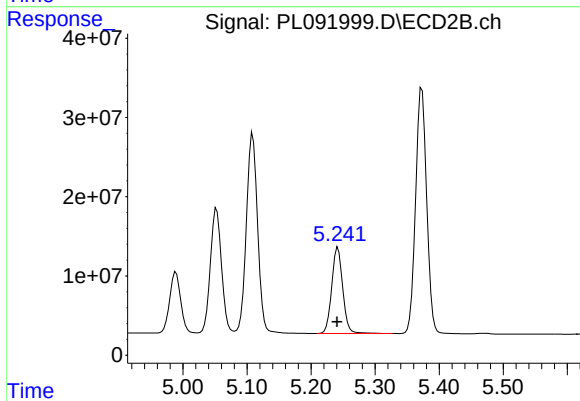
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 190149119  
Conc: 63.52 ng/ml



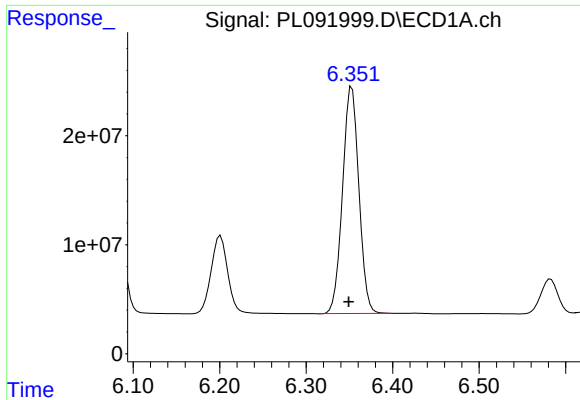
#12 4,4'-DDE

R.T.: 6.201 min  
Delta R.T.: 0.004 min  
Response: 94345807  
Conc: 43.59 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min  
Delta R.T.: 0.001 min  
Response: 129551000  
Conc: 46.62 ng/ml



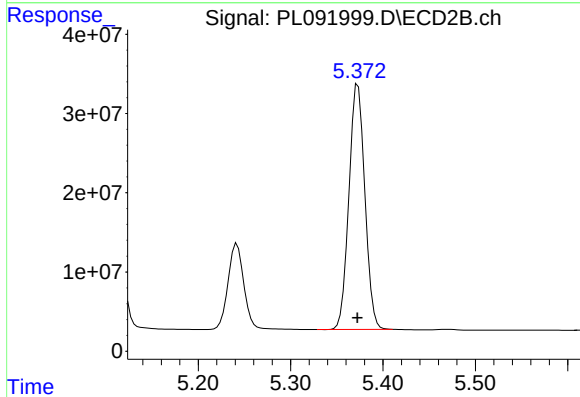
## #13 Dieldrin

R.T.: 6.353 min  
Delta R.T.: 0.004 min  
Response: 271433386  
Conc: 111.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

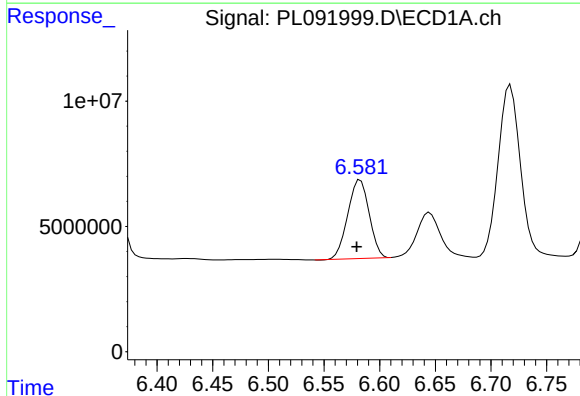
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



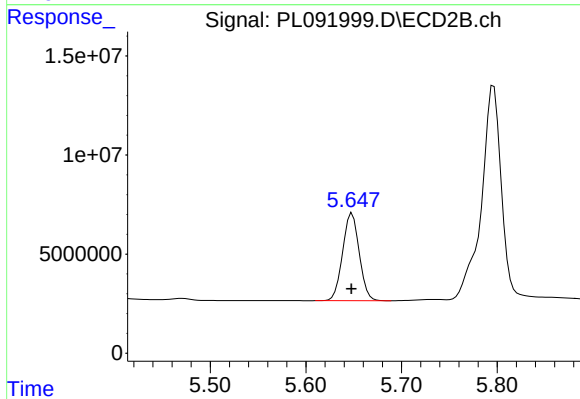
## #13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 370857156  
Conc: 126.49 ng/ml



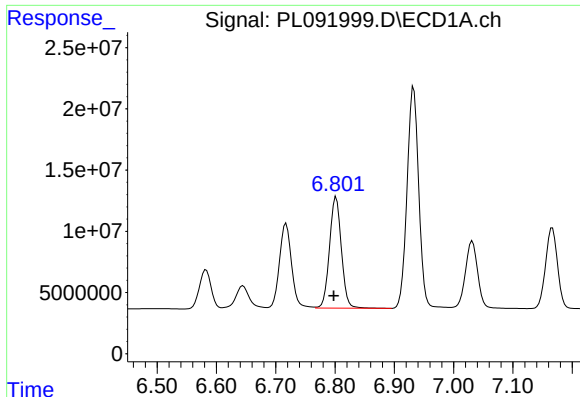
## #14 Endrin

R.T.: 6.583 min  
Delta R.T.: 0.003 min  
Response: 42169586  
Conc: 20.46 ng/ml



## #14 Endrin

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 53631689  
Conc: 20.45 ng/ml



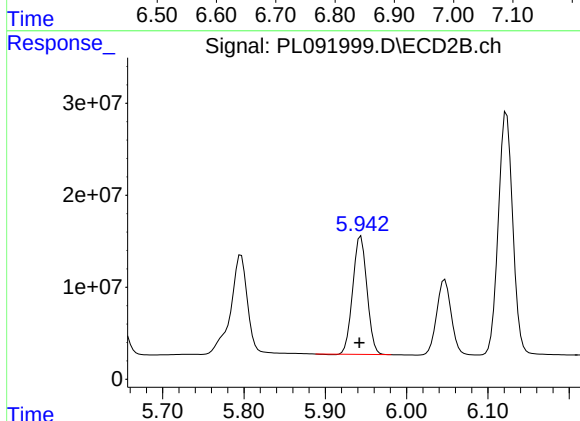
## #15 Endosulfan II

R.T.: 6.802 min  
Delta R.T.: 0.004 min  
Response: 125985744  
Conc: 57.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

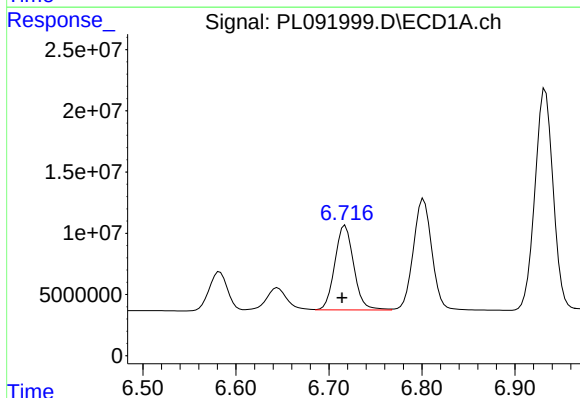
**Manual Integrations  
APPROVED**

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



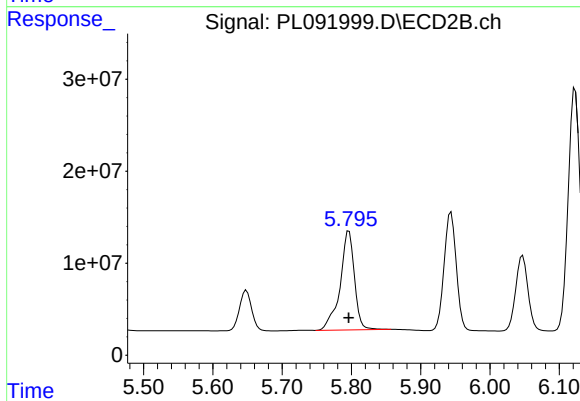
## #15 Endosulfan II

R.T.: 5.944 min  
Delta R.T.: 0.002 min  
Response: 155885591  
Conc: 62.29 ng/ml



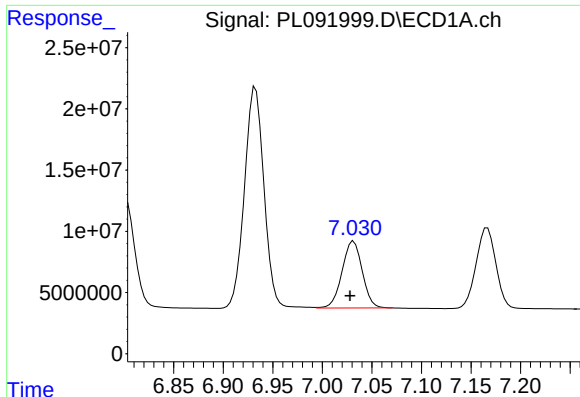
## #16 4,4'-DDD

R.T.: 6.718 min  
Delta R.T.: 0.003 min  
Response: 97491929  
Conc: 54.29 ng/ml



## #16 4,4'-DDD

R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 154899358  
Conc: 72.51 ng/ml



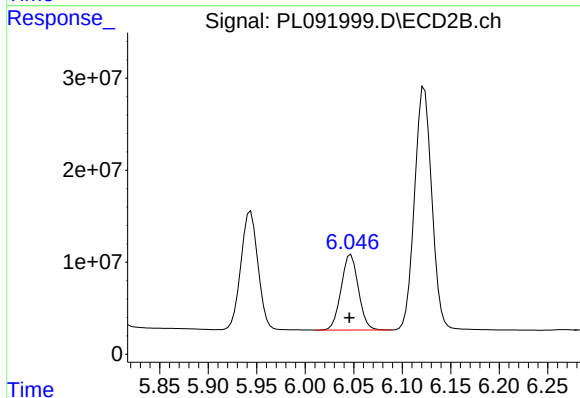
#17 4,4'-DDT

R.T.: 7.032 min  
Delta R.T.: 0.004 min  
Response: 77364789  
Conc: 42.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

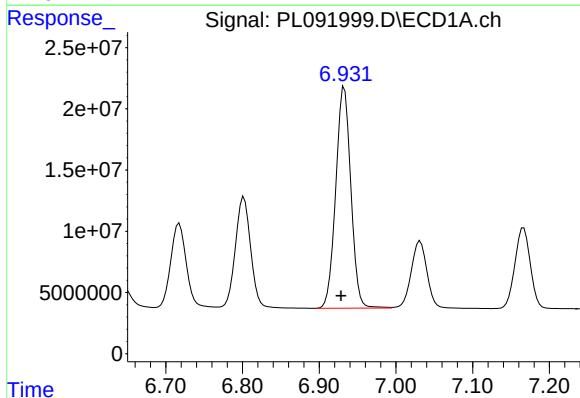
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



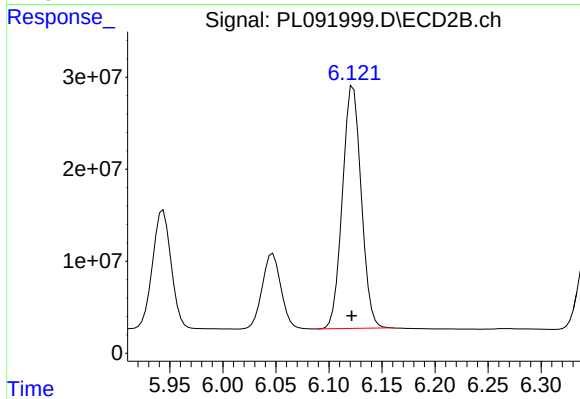
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.002 min  
Response: 101285705  
Conc: 43.79 ng/ml



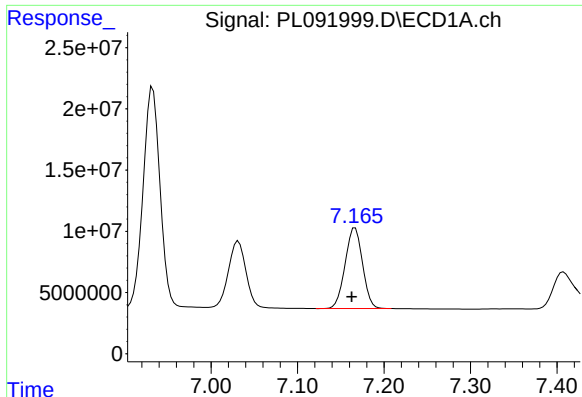
#18 Endrin aldehyde

R.T.: 6.933 min  
Delta R.T.: 0.004 min  
Response: 247610798  
Conc: 142.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.123 min  
Delta R.T.: 0.001 min  
Response: 324349124  
Conc: 158.94 ng/ml



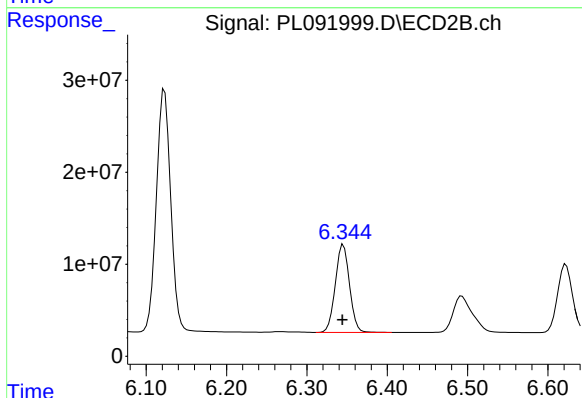
## #19 Endosulfan Sulfate

R.T.: 7.167 min  
Delta R.T.: 0.004 min  
Response: 91672191  
Conc: 46.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

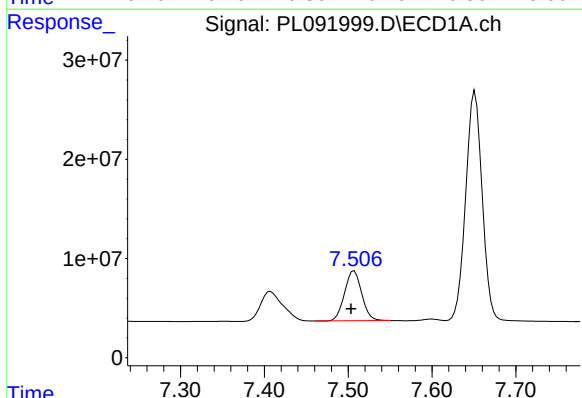
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



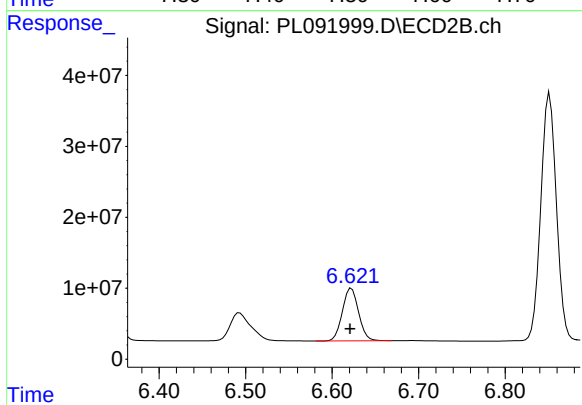
## #19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.001 min  
Response: 117274226  
Conc: 48.61 ng/ml



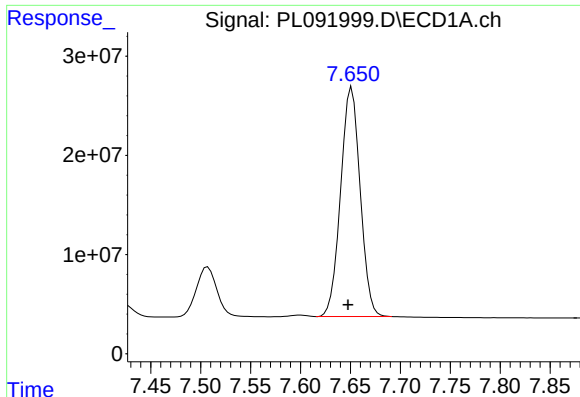
## #20 Methoxychlor

R.T.: 7.507 min  
Delta R.T.: 0.004 min  
Response: 71857284  
Conc: 73.20 ng/ml



## #20 Methoxychlor

R.T.: 6.622 min  
Delta R.T.: 0.002 min  
Response: 95973300  
Conc: 76.76 ng/ml



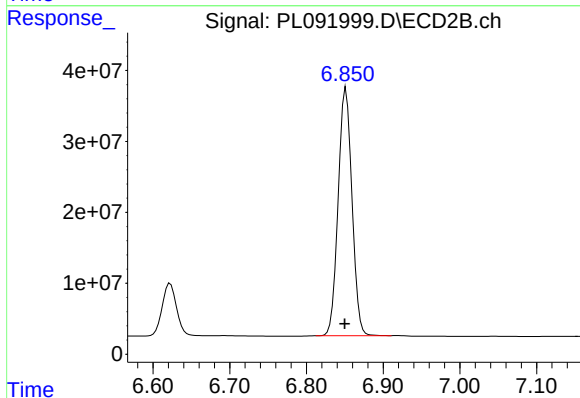
#21 Endrin ketone

R.T.: 7.651 min  
Delta R.T.: 0.004 min  
Response: 314962820  
Conc: 143.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL

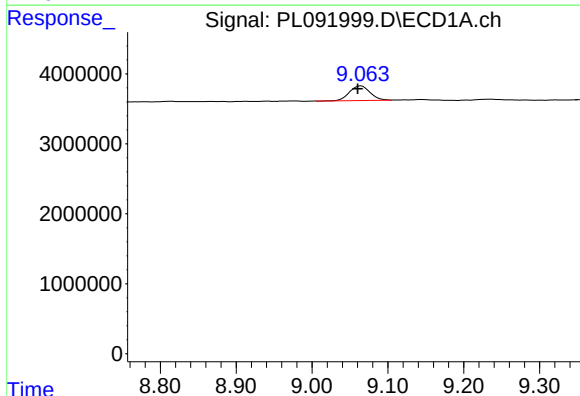
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/26/2024



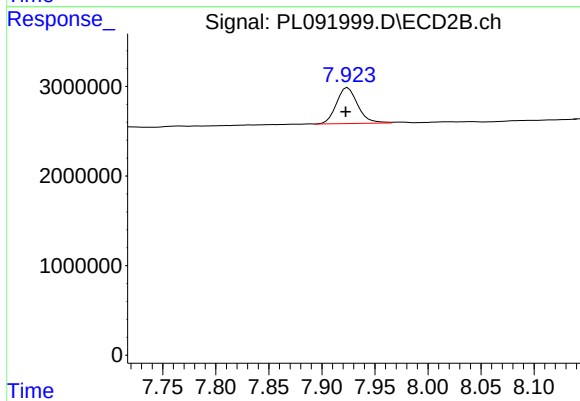
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.002 min  
Response: 437156740  
Conc: 157.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min  
Delta R.T.: 0.004 min  
Response: 3909788  
Conc: 2.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.002 min  
Response: 5616144  
Conc: 2.24 ng/ml



## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/03/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/05/24         |           |
| Client Sample ID:  | PT-PEST-WPDL2             |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | P3845-09DL2               |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092000.D        | 20        | 09/09/24 10:10 | 09/24/24 13:32 | PB163229      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 13.1  | D         | 0.12     | 1.00       | ug/L    |
| 319-85-7          | beta-BHC             | 11.6  | D         | 0.28     | 1.00       | ug/L    |
| 319-86-8          | delta-BHC            | 13.9  | D         | 0.30     | 1.00       | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 6.10  | D         | 0.098    | 1.00       | ug/L    |
| 76-44-8           | Heptachlor           | 4.30  | D         | 0.11     | 1.00       | ug/L    |
| 309-00-2          | Aldrin               | 6.90  | D         | 0.088    | 1.00       | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 7.20  | D         | 0.18     | 1.00       | ug/L    |
| 959-98-8          | Endosulfan I         | 10.8  | D         | 0.10     | 1.00       | ug/L    |
| 60-57-1           | Dieldrin             | 12.0  | D         | 0.094    | 1.00       | ug/L    |
| 72-55-9           | 4,4-DDE              | 4.50  | D         | 0.090    | 1.00       | ug/L    |
| 72-20-8           | Endrin               | 2.20  | D         | 0.086    | 1.00       | ug/L    |
| 33213-65-9        | Endosulfan II        | 6.00  | D         | 0.15     | 1.00       | ug/L    |
| 72-54-8           | 4,4-DDD              | 7.10  | D         | 0.18     | 1.00       | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 4.90  | D         | 0.070    | 1.00       | ug/L    |
| 50-29-3           | 4,4-DDT              | 4.40  | D         | 0.088    | 1.00       | ug/L    |
| 72-43-5           | Methoxychlor         | 7.80  | D         | 0.22     | 1.00       | ug/L    |
| 53494-70-5        | Endrin ketone        | 15.5  | D         | 0.19     | 1.00       | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 15.6  | D         | 0.20     | 1.00       | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 6.10  | D         | 0.12     | 1.00       | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 3.20  | D         | 0.12     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 27.4  |           | 43 - 140 | 137%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 35.6  | *         | 77 - 126 | 178%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/03/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/05/24         |           |
| Client Sample ID:  | PT-PEST-WPDL2             |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | P3845-09DL2               |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092000.D        | 20        | 09/09/24 10:10 | 09/24/24 13:32 | PB163229      |

| 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\PL092424\  
 Data File : PL092000.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Sep 2024 13:32  
 Operator : AR\AJ  
 Sample : P3845-09DL2 20X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PT-PEST-WPDL2

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
 Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 25 01:18:11 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 16:44:57 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.541 | 2.781 | 3965300  | 2610723  | 1.782   | 1.041m# |
| 28)                         | SA Decachlor... | 9.060 | 7.923 | 1918063  | 3427174  | 1.171   | 1.370   |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.000 | 3.286 | 189.4E6  | 238.3E6  | 61.180  | 65.400  |
| 3)                          | MA gamma-BHC... | 4.332 | 3.615 | 92799999 | 107.0E6  | 29.947  | 30.313  |
| 4)                          | MA Heptachlor   | 4.921 | 3.955 | 59198181 | 72128403 | 21.406  | 20.903  |
| 5)                          | MB Aldrin       | 5.263 | 4.235 | 93863127 | 117.9E6  | 33.793  | 34.656  |
| 6)                          | B beta-BHC      | 4.529 | 3.915 | 74249363 | 87534650 | 55.979  | 58.236  |
| 7)                          | B delta-BHC     | 4.776 | 4.144 | 187.6E6  | 241.8E6  | 65.032m | 69.656  |
| 8)                          | B Heptachlo...  | 5.689 | 4.738 | 91405349 | 107.9E6  | 35.916  | 35.692  |
| 9)                          | A Endosulfan I  | 6.075 | 5.108 | 117.5E6  | 148.8E6  | 50.792  | 54.229  |
| 10)                         | B gamma-Chl...  | 5.945 | 4.988 | 39135674 | 44663233 | 15.837  | 14.845  |
| 11)                         | B alpha-Chl...  | 6.024 | 5.052 | 75335096 | 91414213 | 30.583  | 30.537  |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.240 | 49182938 | 61421358 | 22.723  | 22.103  |
| 13)                         | MA Dieldrin     | 6.350 | 5.372 | 136.4E6  | 175.8E6  | 55.910  | 59.965  |
| 14)                         | MA Endrin       | 6.579 | 5.647 | 22310611 | 26225580 | 10.827  | 10.001  |
| 15)                         | B Endosulfa...  | 6.799 | 5.942 | 64961331 | 75622177 | 29.532  | 30.220  |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.795 | 51223226 | 75479636 | 28.525  | 35.333  |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.046 | 40364518 | 47682739 | 21.923  | 20.614  |
| 18)                         | B Endrin al...  | 6.929 | 6.122 | 127.5E6  | 159.6E6  | 73.175  | 78.204  |
| 19)                         | B Endosulfa...  | 7.163 | 6.344 | 48327182 | 56756160 | 24.380  | 23.526  |
| 20)                         | A Methoxychlor  | 7.503 | 6.621 | 38323112 | 48422867 | 39.037  | 38.728  |
| 21)                         | B Endrin ke...  | 7.648 | 6.850 | 160.0E6  | 215.0E6  | 72.825  | 77.631  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL092000.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 13:32  
Operator : AR\AJ  
Sample : P3845-09DL2 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PT-PEST-WPDL2

## Manual Integrations

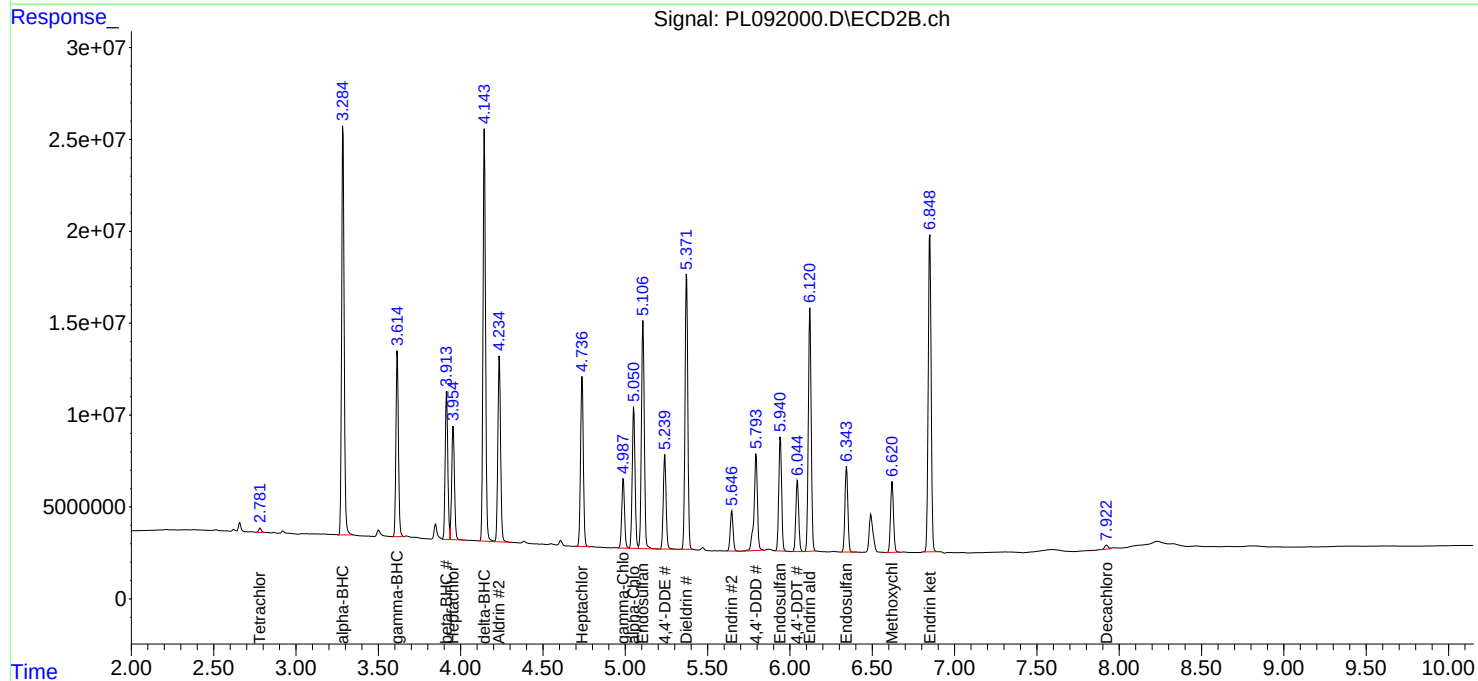
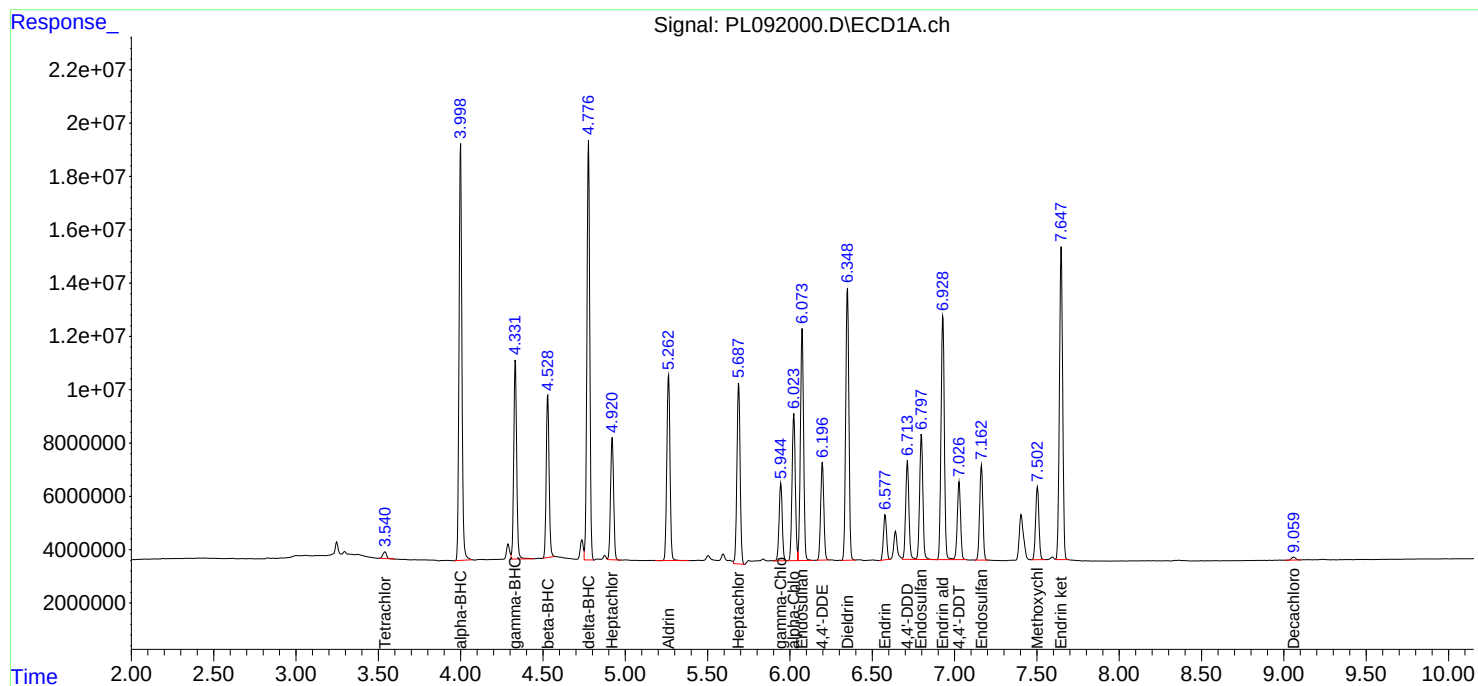
## APPROVED

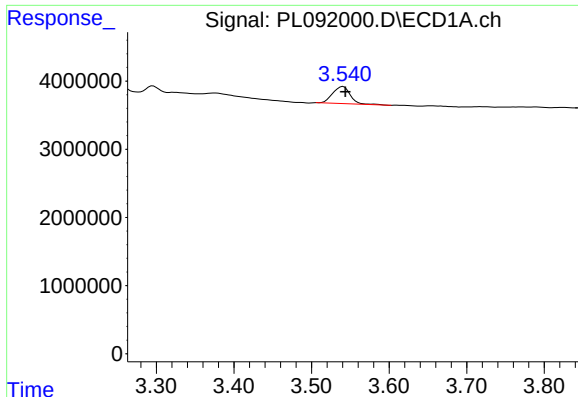
Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:18:11 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





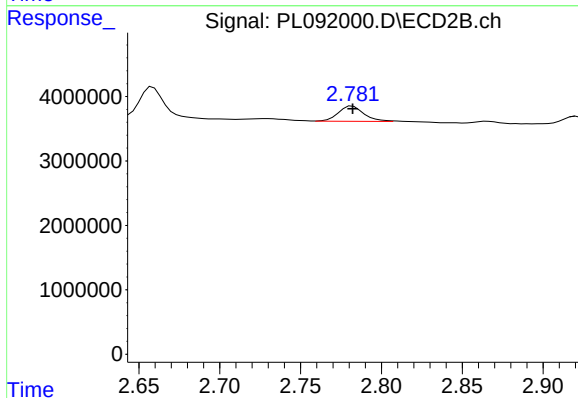
## #1 Tetrachloro-m-xylene

R.T.: 3.541 min  
Delta R.T.: -0.003 min  
Response: 3965300  
Conc: 1.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

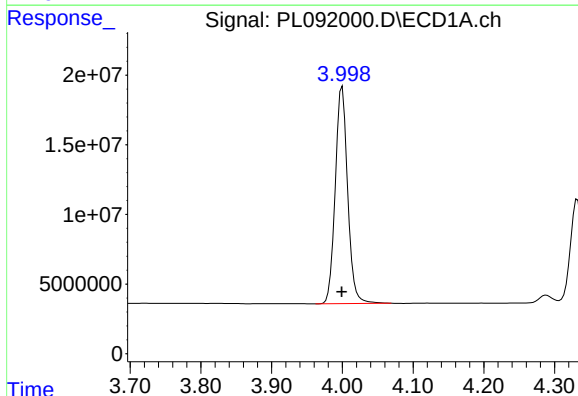
**Manual Integrations  
APPROVED**

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



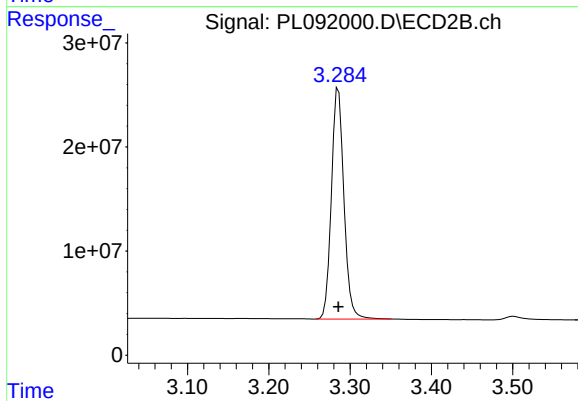
## #1 Tetrachloro-m-xylene

R.T.: 2.781 min  
Delta R.T.: -0.002 min  
Response: 2610723  
Conc: 1.04 ng/ml m



## #2 alpha-BHC

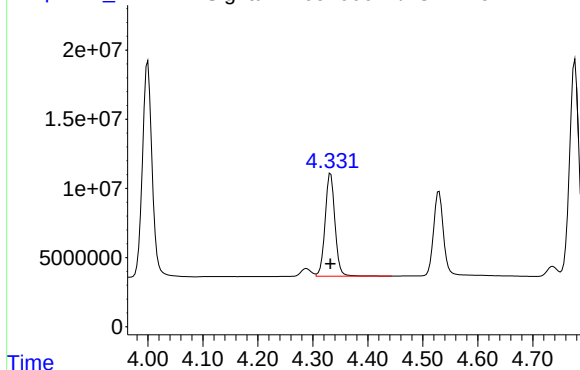
R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 189444314  
Conc: 61.18 ng/ml



## #2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 238273600  
Conc: 65.40 ng/ml

Response\_ Signal: PL092000.D\ECD1A.ch



#3 gamma-BHC (Lindane)

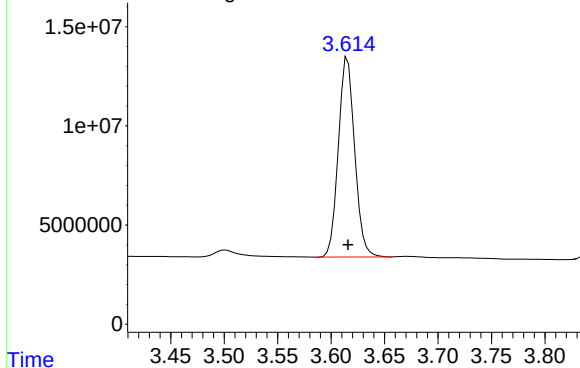
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 92799999  
Conc: 29.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024

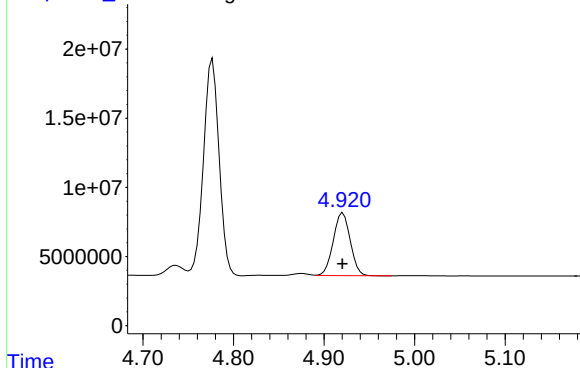
Time Response\_ Signal: PL092000.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.615 min  
Delta R.T.: 0.000 min  
Response: 107035734  
Conc: 30.31 ng/ml

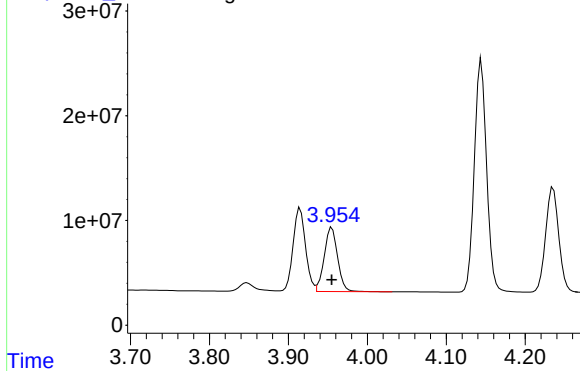
Time Response\_ Signal: PL092000.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 59198181  
Conc: 21.41 ng/ml

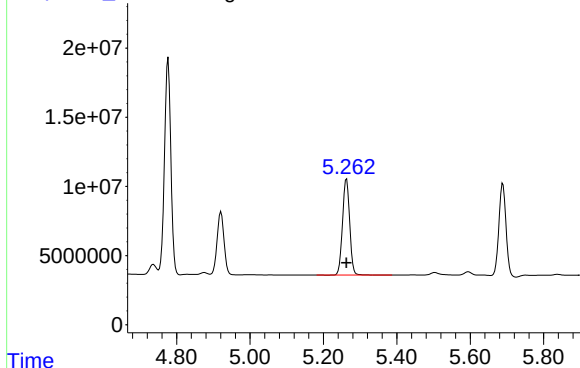
Time Response\_ Signal: PL092000.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 72128403  
Conc: 20.90 ng/ml

Response\_ Signal: PL092000.D\ECD1A.ch



#5 Aldrin

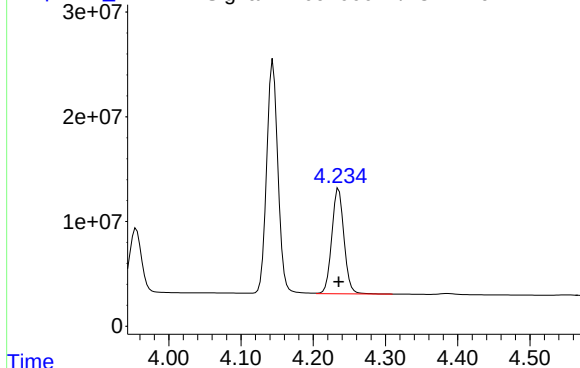
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 93863127  
Conc: 33.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024

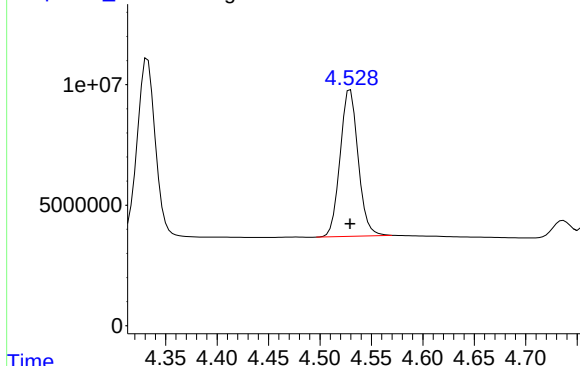
Time Response\_ Signal: PL092000.D\ECD2B.ch



#5 Aldrin

R.T.: 4.235 min  
Delta R.T.: 0.000 min  
Response: 117870098  
Conc: 34.66 ng/ml

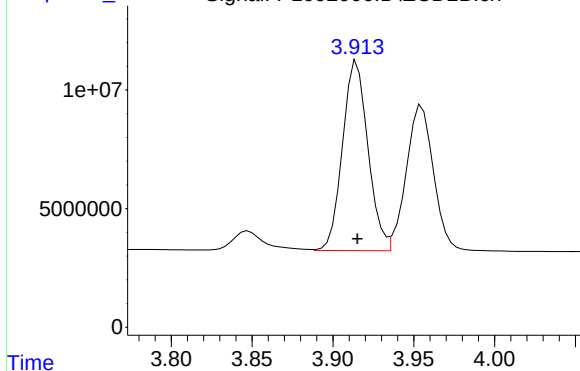
Time Response\_ Signal: PL092000.D\ECD1A.ch



#6 beta-BHC

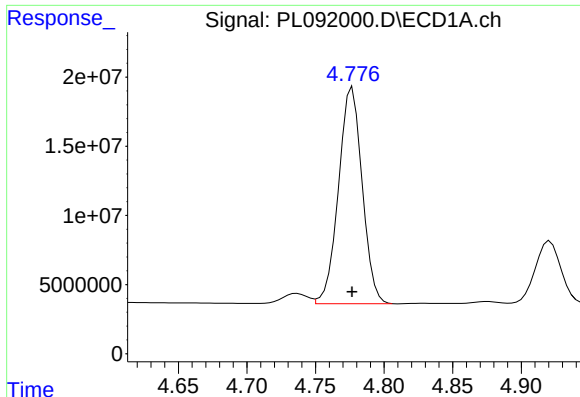
R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 74249363  
Conc: 55.98 ng/ml

Time Response\_ Signal: PL092000.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 87534650  
Conc: 58.24 ng/ml



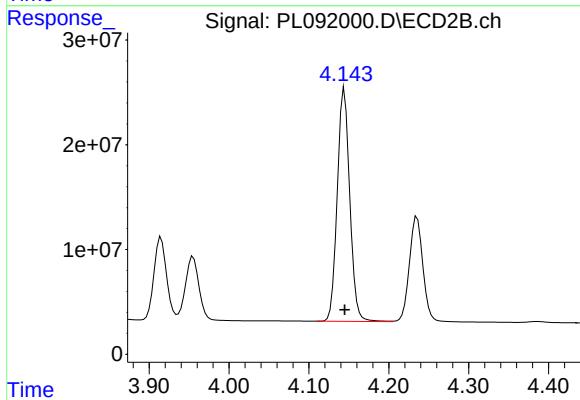
#7 delta-BHC

R.T.: 4.776 min  
Delta R.T.: -0.001 min  
Response: 187565415  
Conc: 65.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

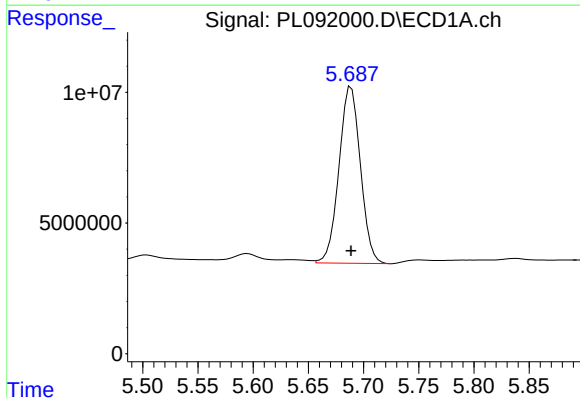
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



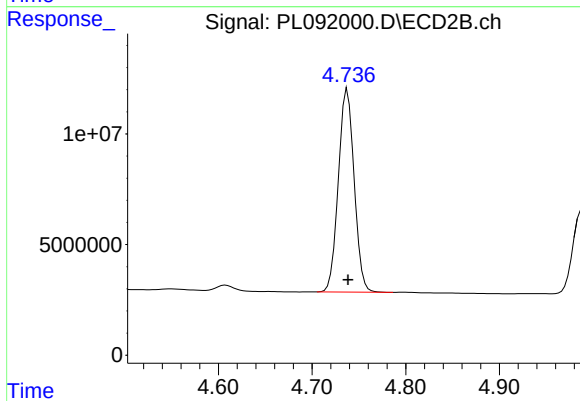
#7 delta-BHC

R.T.: 4.144 min  
Delta R.T.: 0.000 min  
Response: 241823297  
Conc: 69.66 ng/ml



#8 Heptachlor epoxide

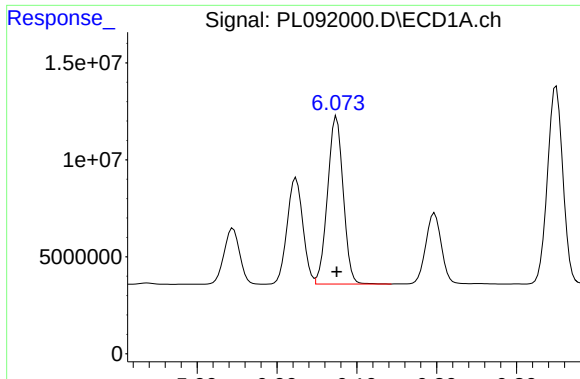
R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 91405349  
Conc: 35.92 ng/ml



#8 Heptachlor epoxide

R.T.: 4.738 min  
Delta R.T.: 0.000 min  
Response: 107893514  
Conc: 35.69 ng/ml





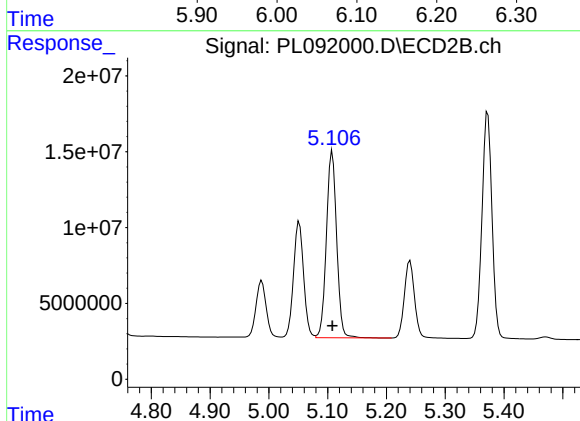
## #9 Endosulfan I

R.T.: 6.075 min  
Delta R.T.: 0.000 min  
Response: 117502419  
Conc: 50.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

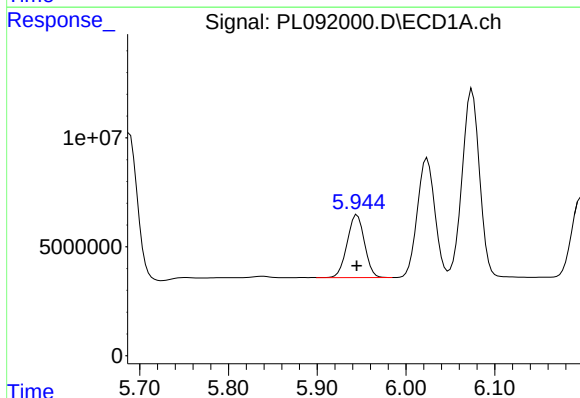
**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



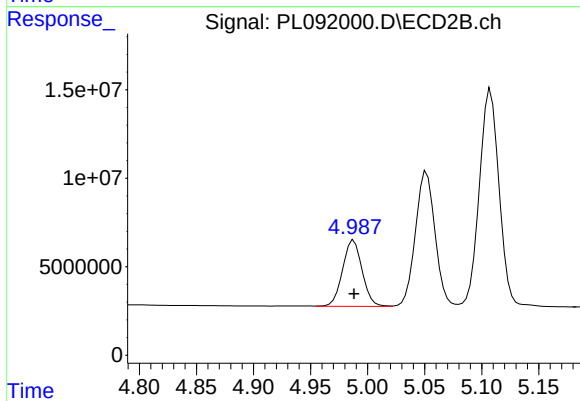
## #9 Endosulfan I

R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 148837921  
Conc: 54.23 ng/ml



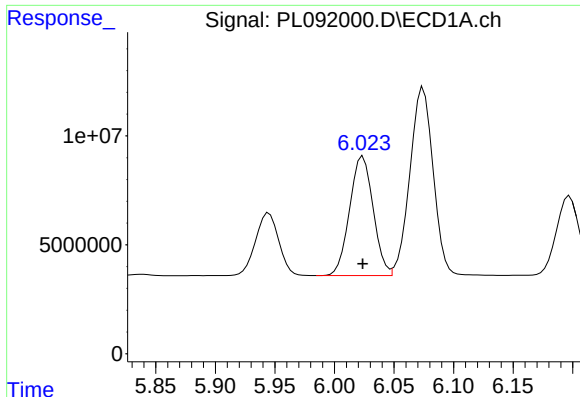
## #10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 39135674  
Conc: 15.84 ng/ml



## #10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 44663233  
Conc: 14.85 ng/ml



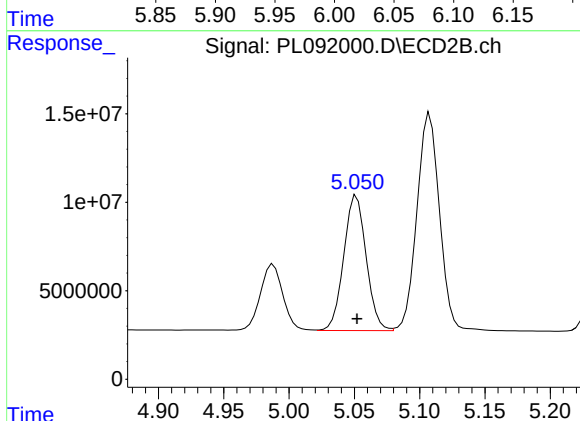
#11 alpha-Chlordane

R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 75335096  
Conc: 30.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

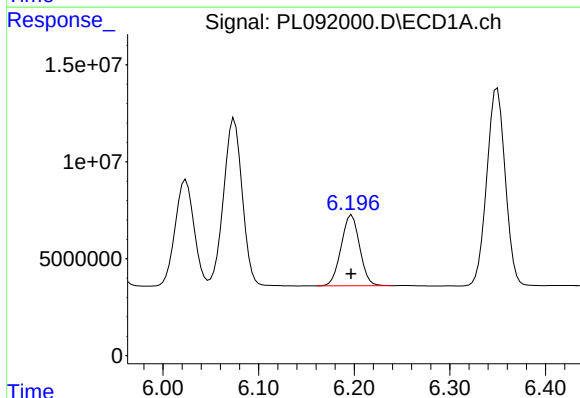
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



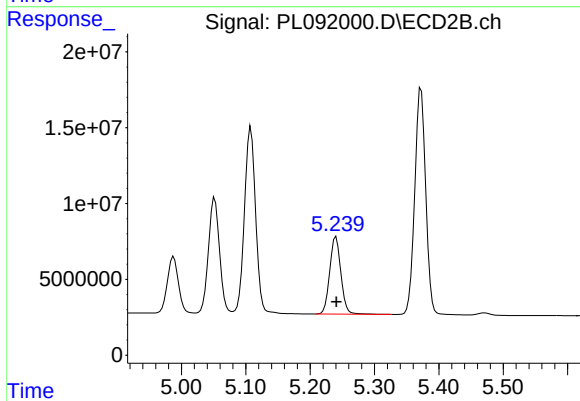
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 91414213  
Conc: 30.54 ng/ml



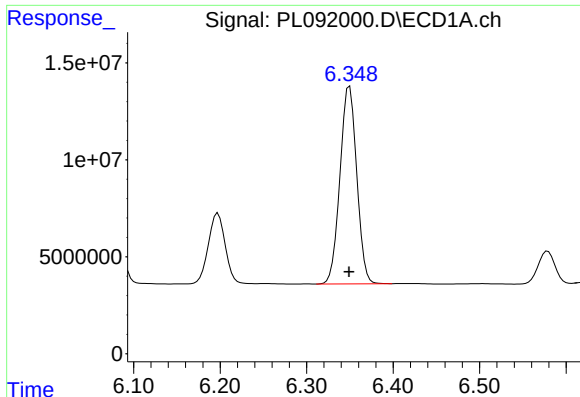
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 49182938  
Conc: 22.72 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min  
Delta R.T.: 0.000 min  
Response: 61421358  
Conc: 22.10 ng/ml



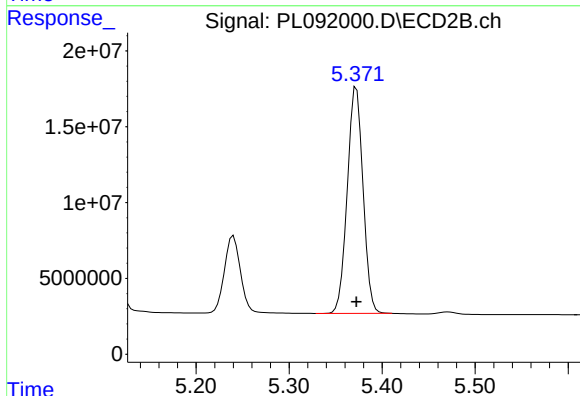
#13 Dieldrin

R.T.: 6.350 min  
Delta R.T.: 0.000 min  
Response: 136356399  
Conc: 55.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

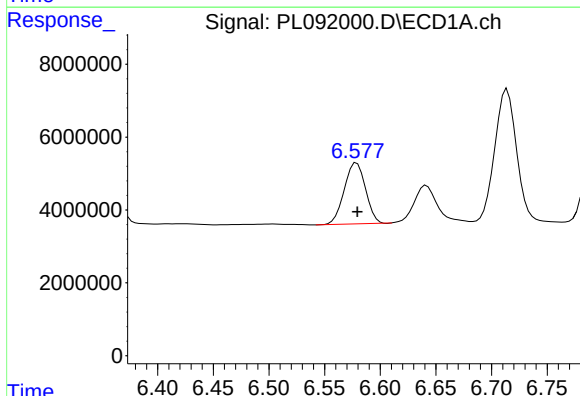
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



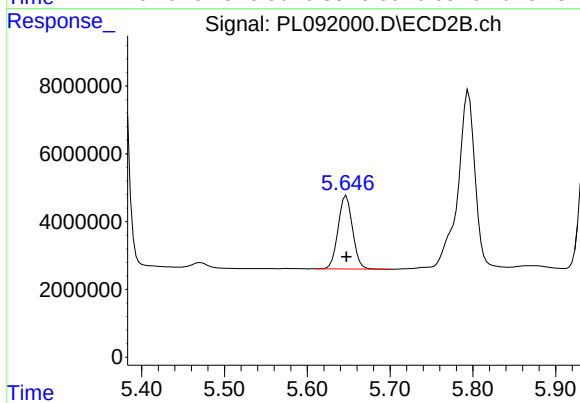
#13 Dieldrin

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 175806499  
Conc: 59.96 ng/ml



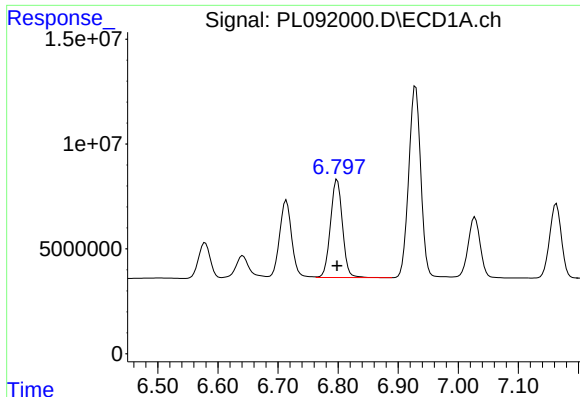
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 22310611  
Conc: 10.83 ng/ml



#14 Endrin

R.T.: 5.647 min  
Delta R.T.: 0.000 min  
Response: 26225580  
Conc: 10.00 ng/ml



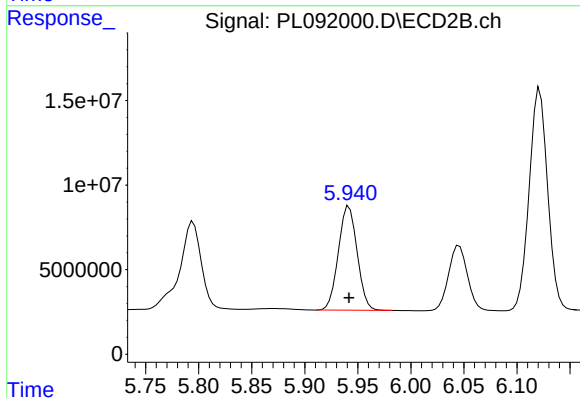
## #15 Endosulfan II

R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 64961331  
Conc: 29.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

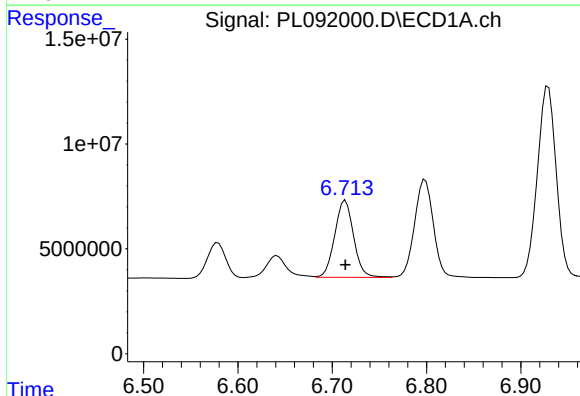
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



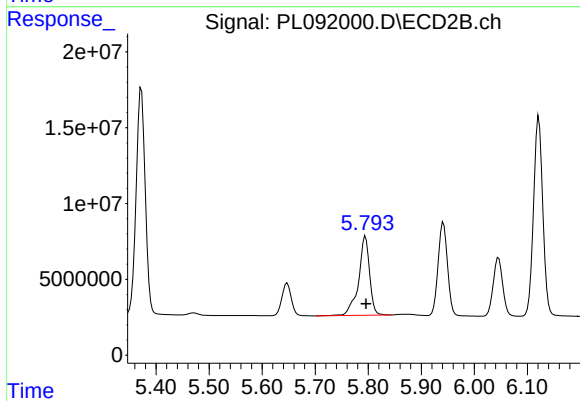
## #15 Endosulfan II

R.T.: 5.942 min  
Delta R.T.: 0.000 min  
Response: 75622177  
Conc: 30.22 ng/ml



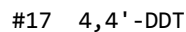
## #16 4,4'-DDD

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 51223226  
Conc: 28.53 ng/ml



## #16 4,4'-DDD

R.T.: 5.795 min  
Delta R.T.: -0.001 min  
Response: 75479636  
Conc: 35.33 ng/ml



```

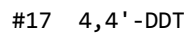
      R.T.:      7.028 min
Delta R.T.:      0.000 min
Response: 40364518
      Conc: 21.92 ng/ml

```

Instrument : ECD\_L  
ClientSampleId : PT-PEST-WPDL2

## Manual Integrations APPROVED

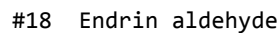
Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



```

      R.T.:      6.046 min
Delta R.T.:      0.000 min
Response: 47682739
      Conc: 20.61 ng/ml

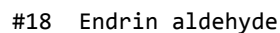
```



```

      R.T.:      6.929 min
Delta R.T.:      0.000 min
Response: 127526455
      Conc:  73.17 ng/ml

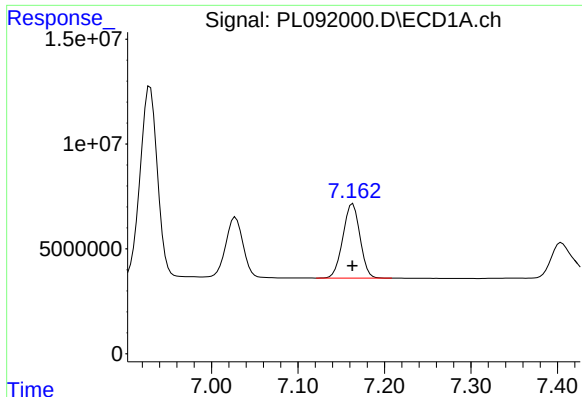
```



```

      R.T.:      6.122 min
Delta R.T.:      0.000 min
Response: 159592364
      Conc:      78.20 ng/ml

```



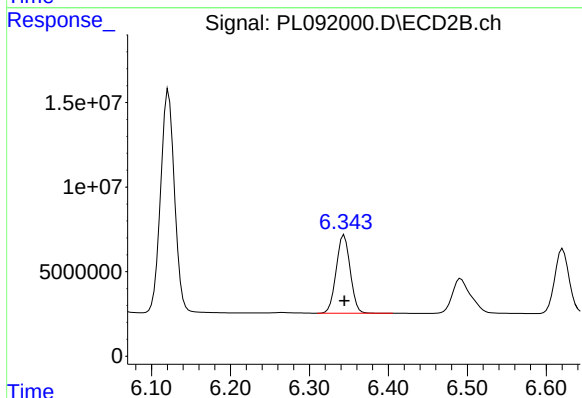
## #19 Endosulfan Sulfate

R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 48327182  
Conc: 24.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

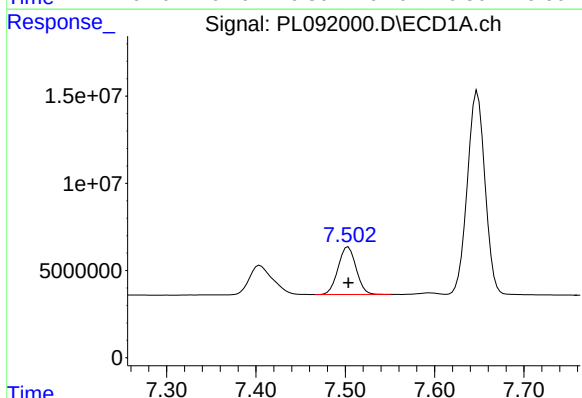
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



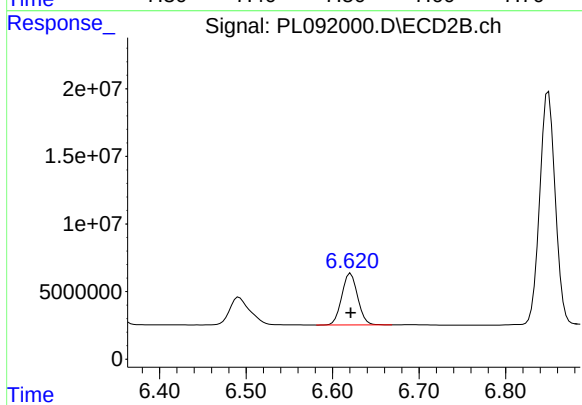
## #19 Endosulfan Sulfate

R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 56756160  
Conc: 23.53 ng/ml



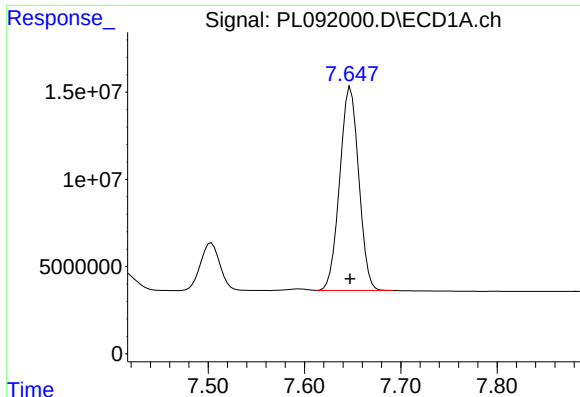
## #20 Methoxychlor

R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 38323112  
Conc: 39.04 ng/ml



## #20 Methoxychlor

R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 48422867  
Conc: 38.73 ng/ml



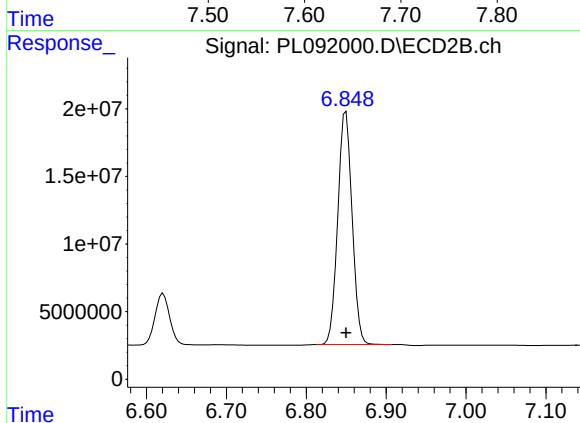
#21 Endrin ketone

R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 160036818  
Conc: 72.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-WPDL2

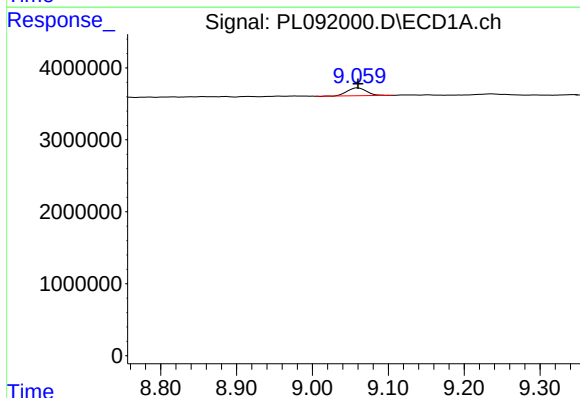
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



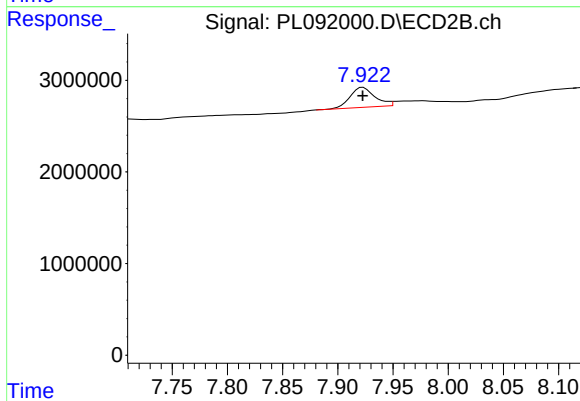
#21 Endrin ketone

R.T.: 6.850 min  
Delta R.T.: 0.000 min  
Response: 214956550  
Conc: 77.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 1918063  
Conc: 1.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 3427174  
Conc: 1.37 ng/ml



# CALIBRATION SUMMARY



## RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02Lab Code: CHEMCase No.: P3845SAS No.: P3845SDG NO.: P3845Instrument ID: ECD\_LCalibration Date(s): 09/09/2024 09/09/2024Calibration Times: 15:31 16:25GC Column: ZB-MR2 ID: 0.32 (mm)

|                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| LAB FILE ID:               | RT 100 = <u>PL091571.D</u> | RT 075 = <u>PL091572.D</u> |
| RT 050 = <u>PL091573.D</u> | RT 025 = <u>PL091574.D</u> | RT 005 = <u>PL091575.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 6.71   | 6.71   | 6.71   | 6.71   | 6.71   | 6.71       | 6.61      | 6.81 |
| 4,4'-DDE             | 6.20   | 6.20   | 6.20   | 6.20   | 6.20   | 6.20       | 6.10      | 6.30 |
| 4,4'-DDT             | 7.03   | 7.03   | 7.03   | 7.03   | 7.03   | 7.03       | 6.93      | 7.13 |
| Aldrin               | 5.26   | 5.26   | 5.26   | 5.26   | 5.26   | 5.26       | 5.16      | 5.36 |
| alpha-BHC            | 4.00   | 4.00   | 4.00   | 4.00   | 4.00   | 4.00       | 3.90      | 4.10 |
| alpha-Chlordane      | 6.02   | 6.02   | 6.02   | 6.02   | 6.02   | 6.02       | 5.92      | 6.12 |
| beta-BHC             | 4.53   | 4.53   | 4.53   | 4.53   | 4.53   | 4.53       | 4.43      | 4.63 |
| Decachlorobiphenyl   | 9.06   | 9.06   | 9.06   | 9.06   | 9.06   | 9.06       | 8.96      | 9.16 |
| delta-BHC            | 4.78   | 4.78   | 4.78   | 4.78   | 4.78   | 4.78       | 4.68      | 4.88 |
| Dieldrin             | 6.35   | 6.35   | 6.35   | 6.35   | 6.35   | 6.35       | 6.25      | 6.45 |
| Endosulfan I         | 6.07   | 6.07   | 6.07   | 6.08   | 6.07   | 6.07       | 5.97      | 6.17 |
| Endosulfan II        | 6.80   | 6.80   | 6.80   | 6.80   | 6.80   | 6.80       | 6.70      | 6.90 |
| Endosulfan sulfate   | 7.16   | 7.16   | 7.16   | 7.16   | 7.16   | 7.16       | 7.06      | 7.26 |
| Endrin               | 6.58   | 6.58   | 6.58   | 6.58   | 6.58   | 6.58       | 6.48      | 6.68 |
| Endrin aldehyde      | 6.93   | 6.93   | 6.93   | 6.93   | 6.93   | 6.93       | 6.83      | 7.03 |
| Endrin ketone        | 7.65   | 7.65   | 7.65   | 7.65   | 7.65   | 7.65       | 7.55      | 7.75 |
| gamma-BHC (Lindane)  | 4.33   | 4.33   | 4.33   | 4.33   | 4.33   | 4.33       | 4.23      | 4.43 |
| gamma-Chlordane      | 5.95   | 5.94   | 5.95   | 5.95   | 5.94   | 5.94       | 5.84      | 6.04 |
| Heptachlor           | 4.92   | 4.92   | 4.92   | 4.92   | 4.92   | 4.92       | 4.82      | 5.02 |
| Heptachlor epoxide   | 5.69   | 5.69   | 5.69   | 5.69   | 5.69   | 5.69       | 5.59      | 5.79 |
| Methoxychlor         | 7.50   | 7.50   | 7.50   | 7.50   | 7.50   | 7.50       | 7.40      | 7.60 |
| Tetrachloro-m-xylene | 3.54   | 3.54   | 3.54   | 3.55   | 3.54   | 3.54       | 3.44      | 3.64 |

|                |               |                      |              |                   |                   |          |              |
|----------------|---------------|----------------------|--------------|-------------------|-------------------|----------|--------------|
| Contract:      | <u>CHEM02</u> |                      |              |                   |                   |          |              |
| Lab Code:      | <u>CHEM</u>   | Case No.:            | <u>P3845</u> | SAS No.:          | <u>P3845</u>      | SDG NO.: | <u>P3845</u> |
| Instrument ID: | <u>ECD_L</u>  | Calibration Date(s): |              | <u>09/09/2024</u> | <u>09/09/2024</u> |          |              |
|                |               | Calibration Times:   |              | <u>15:31</u>      | <u>16:25</u>      |          |              |

LAB FILE ID: RT 100 = PL091571.D RT 075 = PL091572.D  
RT 050 = PL091573.D RT 025 = PL091574.D RT 005 = PL091575.D

[illegible]

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CHEM02  
**Lab Code:** CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845  
**Instrument ID:** ECD\_L **Calibration Date(s):** 09/09/2024 09/09/2024  
**Calibration Times:** 15:31 16:25

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

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL091571.D</u> |            | <b>CF 075 =</b> <u>PL091572.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL091573.D</u> |            | <b>CF 025 =</b> <u>PL091574.D</u> |            | <b>CF 005 =</b> <u>PL091575.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 1238120000 | 1231960000                        | 1233650000 | 1250630000                        | 1383380000 | 1267550000 | 5     |
| 4,4'-DDE                          | 1460560000 | 1436680000                        | 1428500000 | 1441320000                        | 1526210000 | 1458660000 | 3     |
| 4,4'-DDT                          | 1281640000 | 1254070000                        | 1263970000 | 1284500000                        | 1474570000 | 1311750000 | 7     |
| Aldrin                            | 1790750000 | 1774490000                        | 1770970000 | 1802240000                        | 2174440000 | 1862580000 | 9     |
| alpha-BHC                         | 2220090000 | 2165300000                        | 2102420000 | 2070960000                        | 2240830000 | 2159920000 | 3     |
| alpha-Chlordane                   | 1606870000 | 1601200000                        | 1589460000 | 1609600000                        | 1652020000 | 1611830000 | 1     |
| beta-BHC                          | 873975000  | 873578000                         | 877535000  | 894317000                         | 1030700000 | 910020000  | 7     |
| Decachlorobiphenyl                | 1145680000 | 1140470000                        | 1177280000 | 1251960000                        | 1361220000 | 1215320000 | 8     |
| delta-BHC                         | 1913110000 | 1865190000                        | 1825800000 | 1833300000                        | 2168450000 | 1921170000 | 7     |
| Dieldrin                          | 1625390000 | 1599180000                        | 1597630000 | 1611650000                        | 1724860000 | 1631740000 | 3     |
| Endosulfan I                      | 1515030000 | 1501310000                        | 1504100000 | 1538660000                        | 1731420000 | 1558110000 | 6     |
| Endosulfan II                     | 1425510000 | 1429790000                        | 1444480000 | 1515400000                        | 1934840000 | 1550010000 | 14    |
| Endosulfan sulfate                | 1322390000 | 1313220000                        | 1345580000 | 1399080000                        | 1601700000 | 1396390000 | 9     |
| Endrin                            | 1311020000 | 1302310000                        | 1292880000 | 1312020000                        | 1430210000 | 1329690000 | 4     |
| Endrin aldehyde                   | 1107110000 | 1109780000                        | 1131430000 | 1183390000                        | 1408960000 | 1188130000 | 11    |
| Endrin ketone                     | 1520320000 | 1497380000                        | 1517430000 | 1548810000                        | 1647670000 | 1546320000 | 4     |
| gamma-BHC (Lindane)               | 2103730000 | 2060220000                        | 1995670000 | 1984560000                        | 2134340000 | 2055700000 | 3     |
| gamma-Chlordane                   | 1621490000 | 1619500000                        | 1611700000 | 1651720000                        | 1849460000 | 1670770000 | 6     |
| Heptachlor                        | 1866800000 | 1841620000                        | 1834880000 | 1837790000                        | 1984030000 | 1873020000 | 3     |
| Heptachlor epoxide                | 1584130000 | 1602220000                        | 1576830000 | 1662800000                        | 1917610000 | 1668720000 | 9     |
| Methoxychlor                      | 658344000  | 648089000                         | 662897000  | 669943000                         | 743063000  | 676467000  | 6     |
| Tetrachloro-m-xylene              | 1519890000 | 1515940000                        | 1496640000 | 1518220000                        | 1742280000 | 1558600000 | 7     |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CHEM02  
**Lab Code:** CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845  
**Instrument ID:** ECD\_L  
**Calibration Date(s):** 09/09/2024 09/09/2024  
**Calibration Times:** 15:31 16:25  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL091571.D</u> |            | <b>CF 075 =</b> <u>PL091572.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL091573.D</u> |            | <b>CF 025 =</b> <u>PL091574.D</u> |            | <b>CF 005 =</b> <u>PL091575.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 1680210000 | 1661230000                        | 1644630000 | 1654720000                        | 1737950000 | 1675750000 | 2     |
| 4,4'-DDE                          | 2010140000 | 1957820000                        | 1897970000 | 1820170000                        | 1797430000 | 1896710000 | 5     |
| 4,4'-DDT                          | 1670720000 | 1616510000                        | 1570240000 | 1515580000                        | 1660880000 | 1606780000 | 4     |
| Aldrin                            | 2379960000 | 2347710000                        | 2266050000 | 2189890000                        | 2223920000 | 2281500000 | 4     |
| alpha-BHC                         | 2871940000 | 2771080000                        | 2684190000 | 2505170000                        | 2465430000 | 2659560000 | 7     |
| alpha-Chlordane                   | 2122860000 | 2093520000                        | 2054130000 | 2008720000                        | 2065810000 | 2069010000 | 2     |
| beta-BHC                          | 1057420000 | 1057090000                        | 1051010000 | 1059720000                        | 1237080000 | 1092470000 | 7     |
| Decachlorobiphenyl                | 1763590000 | 1770080000                        | 1794130000 | 1850100000                        | 2054850000 | 1846550000 | 7     |
| delta-BHC                         | 2467260000 | 2402670000                        | 2319500000 | 2179760000                        | 2134460000 | 2300730000 | 6     |
| Dieldrin                          | 2145330000 | 2106790000                        | 2039020000 | 1976550000                        | 2009500000 | 2055440000 | 3     |
| Endosulfan I                      | 1958670000 | 1903390000                        | 1884570000 | 1852390000                        | 2047680000 | 1929340000 | 4     |
| Endosulfan II                     | 1819640000 | 1792790000                        | 1762160000 | 1720850000                        | 1749140000 | 1768920000 | 2     |
| Endosulfan sulfate                | 1736800000 | 1716600000                        | 1699820000 | 1677180000                        | 1750170000 | 1716110000 | 2     |
| Endrin                            | 1886050000 | 1843520000                        | 1806740000 | 1789080000                        | 2110580000 | 1887190000 | 7     |
| Endrin aldehyde                   | 1381990000 | 1360020000                        | 1356520000 | 1347590000                        | 1389060000 | 1367040000 | 1     |
| Endrin ketone                     | 2053550000 | 2019200000                        | 2011790000 | 1980410000                        | 1992060000 | 2011400000 | 1     |
| gamma-BHC (Lindane)               | 2620370000 | 2545400000                        | 2475270000 | 2344040000                        | 2312230000 | 2459460000 | 5     |
| gamma-Chlordane                   | 2198870000 | 2179670000                        | 2133680000 | 2189790000                        | 2326360000 | 2205670000 | 3     |
| Heptachlor                        | 2506110000 | 2453710000                        | 2397130000 | 2322760000                        | 2361890000 | 2408320000 | 3     |
| Heptachlor epoxide                | 2116210000 | 2081570000                        | 2064430000 | 2011870000                        | 2264520000 | 2107720000 | 5     |
| Methoxychlor                      | 875397000  | 866175000                         | 866782000  | 878258000                         | 942205000  | 885763000  | 4     |
| Tetrachloro-m-xylene              | 1922920000 | 1890350000                        | 1864680000 | 1839410000                        | 1834150000 | 1870300000 | 2     |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091571.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 15:31  
 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: Sep 09 16:20:53 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 16:17:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 152.0E6  | 192.3E6  | 100.771 | 101.538 |
| 28)                         | SA Decachlor... | 9.060 | 7.924 | 114.6E6  | 176.4E6  | 98.640  | 99.142  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.999 | 3.286 | 222.0E6  | 287.2E6  | 102.722 | 103.379 |
| 3)                          | MA gamma-BHC... | 4.332 | 3.616 | 210.4E6  | 262.0E6  | 102.636 | 102.848 |
| 4)                          | MA Heptachlor   | 4.921 | 3.956 | 186.7E6  | 250.6E6  | 100.862 | 102.223 |
| 5)                          | MB Aldrin       | 5.263 | 4.236 | 179.1E6  | 238.0E6  | 100.555 | 102.452 |
| 6)                          | B beta-BHC      | 4.529 | 3.915 | 87397476 | 105.7E6  | 99.797  | 100.304 |
| 7)                          | B delta-BHC     | 4.776 | 4.145 | 191.3E6  | 246.7E6  | 102.335 | 103.087 |
| 8)                          | B Heptachlo...  | 5.689 | 4.739 | 158.4E6  | 211.6E6  | 100.231 | 101.238 |
| 9)                          | A Endosulfan I  | 6.074 | 5.109 | 151.5E6  | 195.9E6  | 100.362 | 101.928 |
| 10)                         | B gamma-Chl...  | 5.945 | 4.989 | 162.1E6  | 219.9E6  | 100.303 | 101.505 |
| 11)                         | B alpha-Chl...  | 6.024 | 5.053 | 160.7E6  | 212.3E6  | 100.545 | 101.645 |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.242 | 146.1E6  | 201.0E6  | 101.110 | 102.870 |
| 13)                         | MA Dieldrin     | 6.349 | 5.373 | 162.5E6  | 214.5E6  | 100.861 | 102.541 |
| 14)                         | MA Endrin       | 6.579 | 5.649 | 131.1E6  | 188.6E6  | 100.697 | 102.148 |
| 15)                         | B Endosulfa...  | 6.799 | 5.943 | 142.6E6  | 182.0E6  | 99.339  | 101.605 |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.796 | 123.8E6  | 168.0E6  | 100.181 | 101.070 |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.047 | 128.2E6  | 167.1E6  | 100.694 | 103.100 |
| 18)                         | B Endrin al...  | 6.928 | 6.123 | 110.7E6  | 138.2E6  | 98.914  | 100.930 |
| 19)                         | B Endosulfa...  | 7.162 | 6.345 | 132.2E6  | 173.7E6  | 99.131  | 101.076 |
| 20)                         | A Methoxychlor  | 7.503 | 6.622 | 65834370 | 87539700 | 99.655  | 100.495 |
| 21)                         | B Endrin ke...  | 7.647 | 6.851 | 152.0E6  | 205.4E6  | 100.095 | 101.027 |
| 22)                         | Mirex           | 8.121 | 7.033 | 112.3E6  | 159.0E6  | 98.308  | 98.538  |
| -----                       |                 |       |       |          |          |         |         |

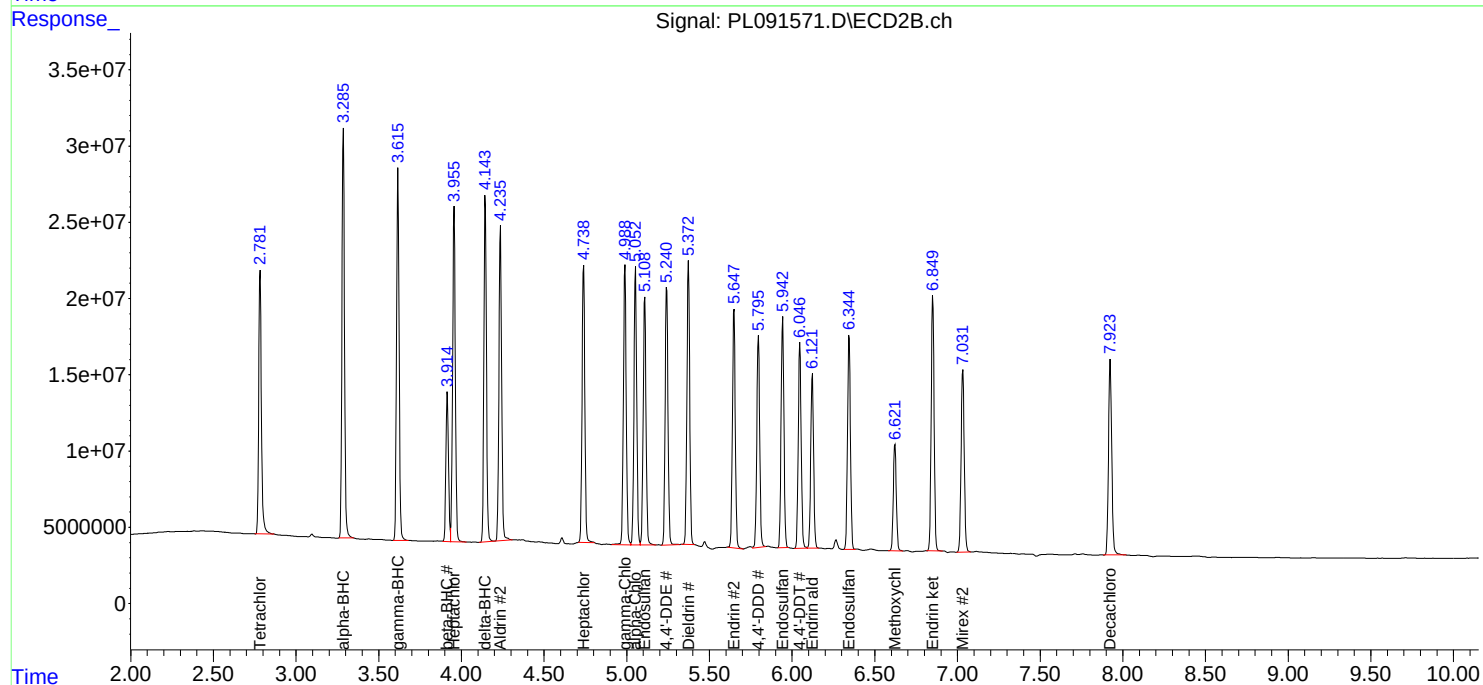
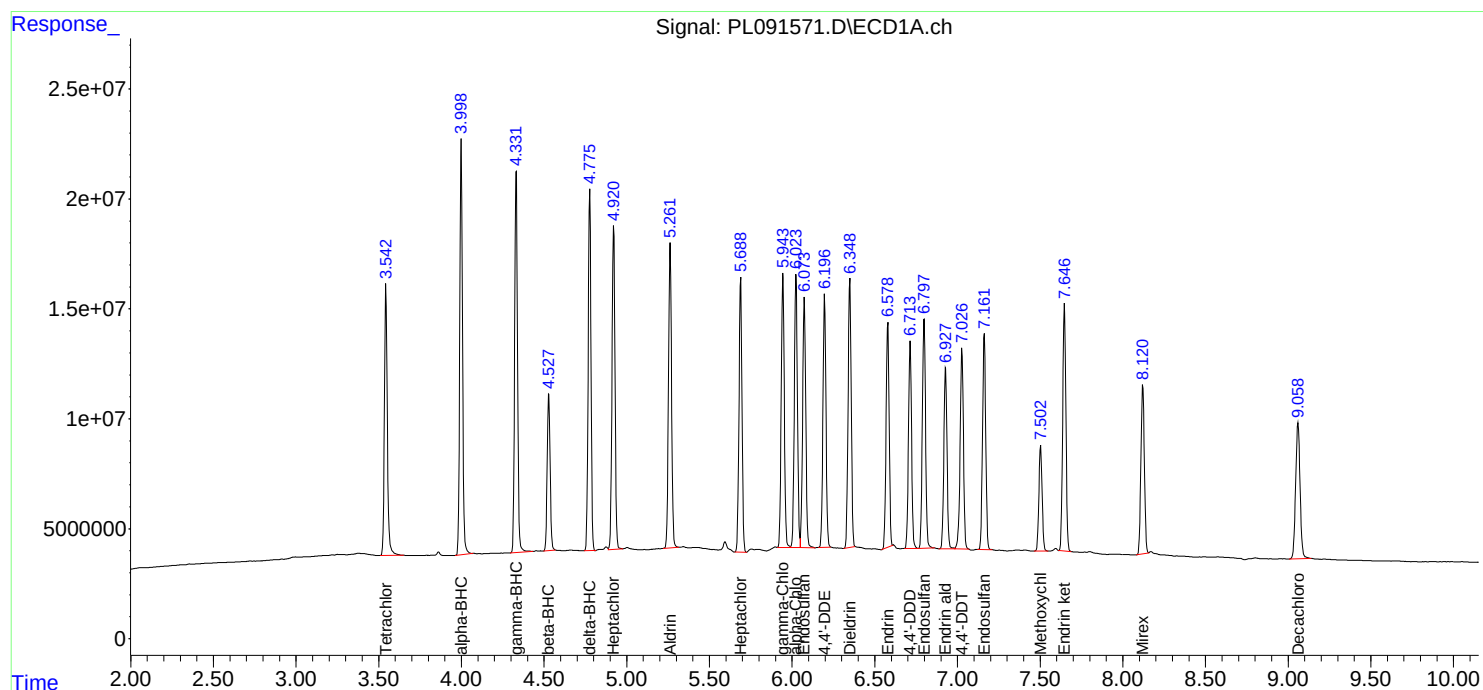
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

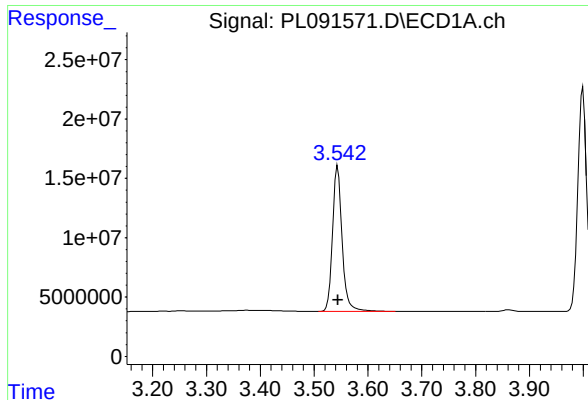
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091571.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 15:31  
Operator : AR\AJ  
Sample : PSTDICC100  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 16:20:53 2024  
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 16:17:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

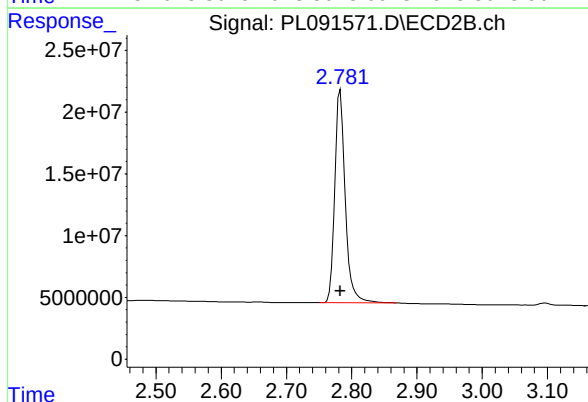




#1 Tetrachloro-m-xylene

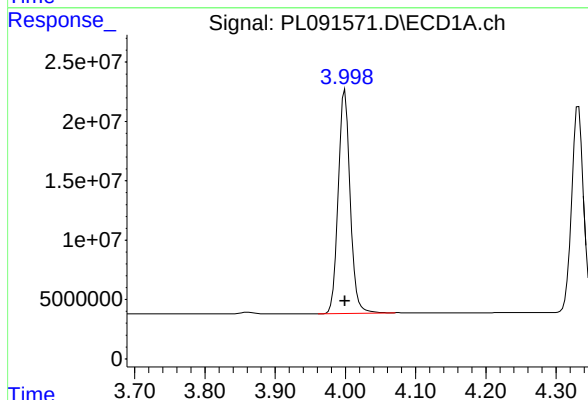
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 151989203  
Conc: 100.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



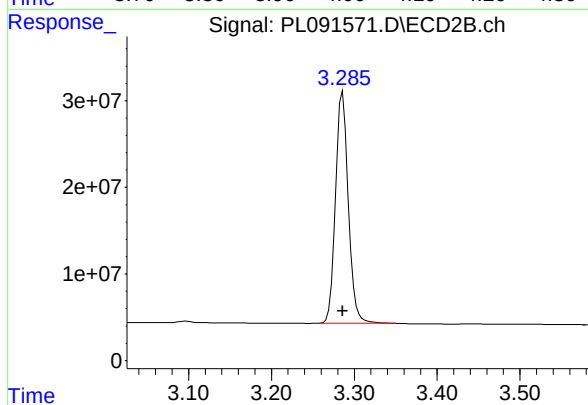
#1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 192291502  
Conc: 101.54 ng/ml



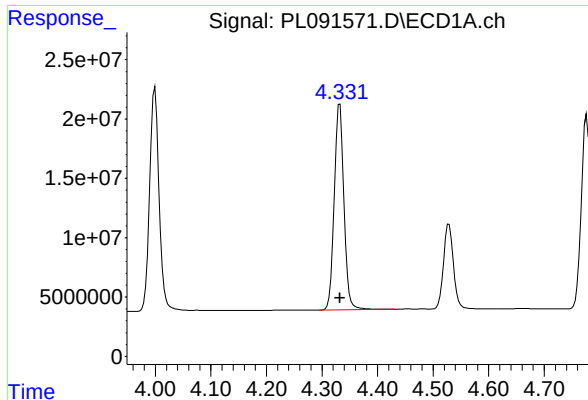
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 222009188  
Conc: 102.72 ng/ml



#2 alpha-BHC

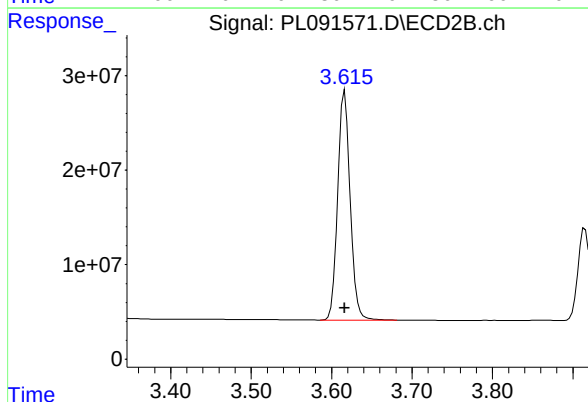
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 287194049  
Conc: 103.38 ng/ml



#3 gamma-BHC (Lindane)

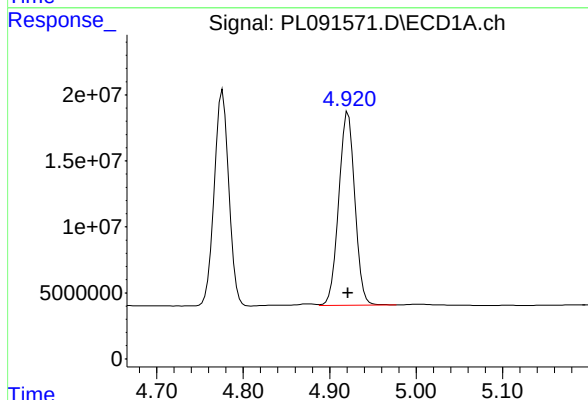
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 210373084  
Conc: 102.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



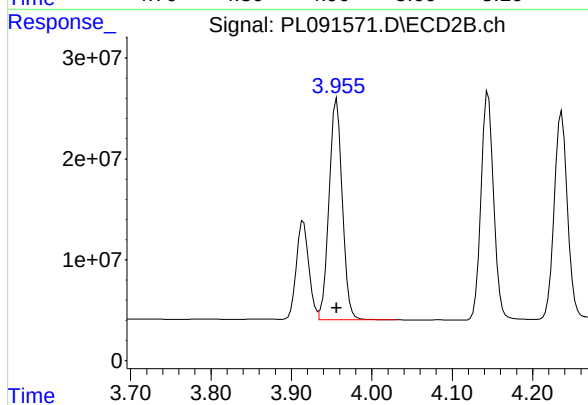
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 262037033  
Conc: 102.85 ng/ml



#4 Heptachlor

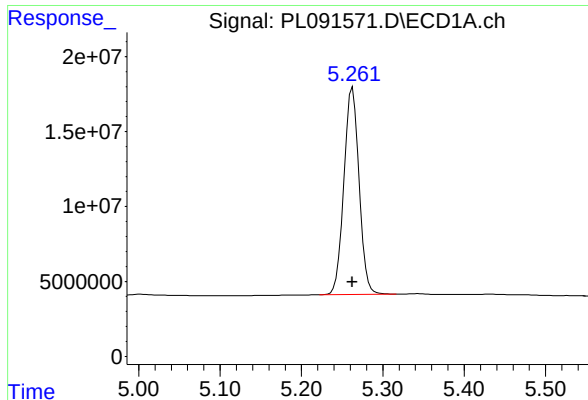
R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 186679926  
Conc: 100.86 ng/ml



#4 Heptachlor

R.T.: 3.956 min  
Delta R.T.: 0.000 min  
Response: 250611263  
Conc: 102.22 ng/ml

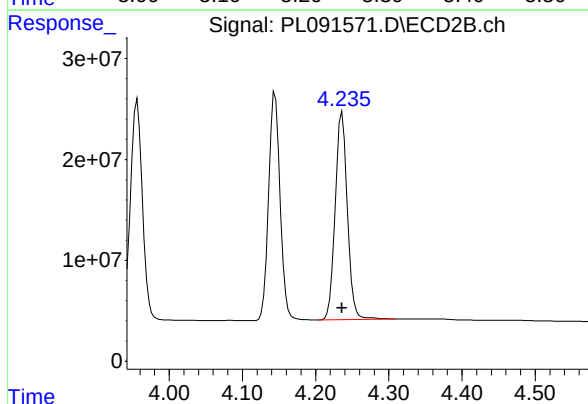




#5 Aldrin

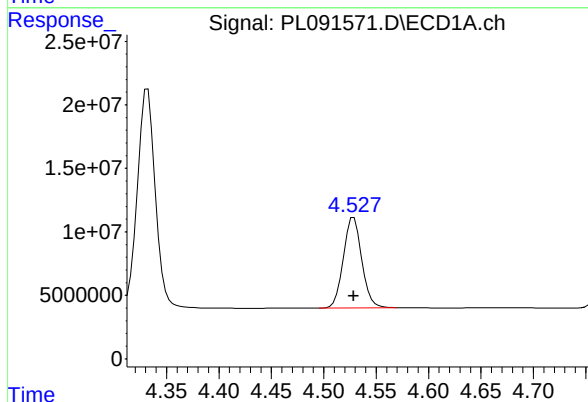
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 179075065  
Conc: 100.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



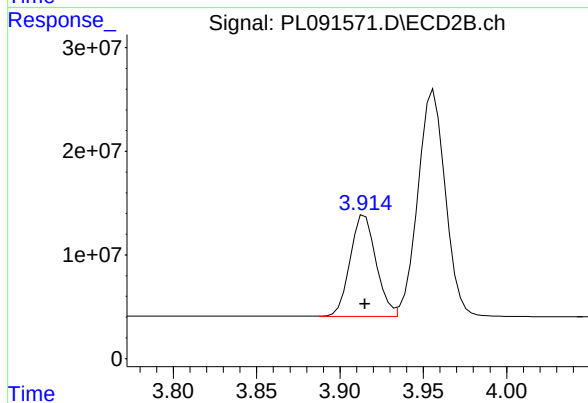
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 237995627  
Conc: 102.45 ng/ml



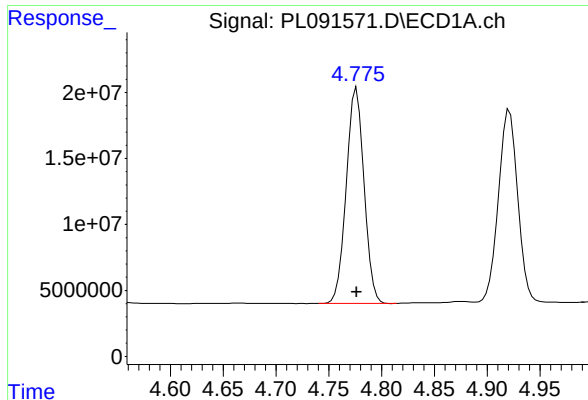
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 87397476  
Conc: 99.80 ng/ml



#6 beta-BHC

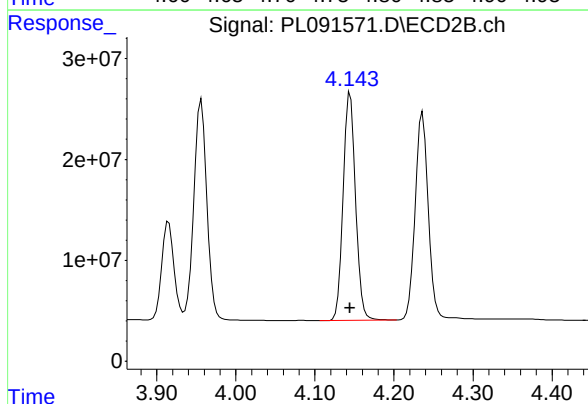
R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 105742143  
Conc: 100.30 ng/ml



#7 delta-BHC

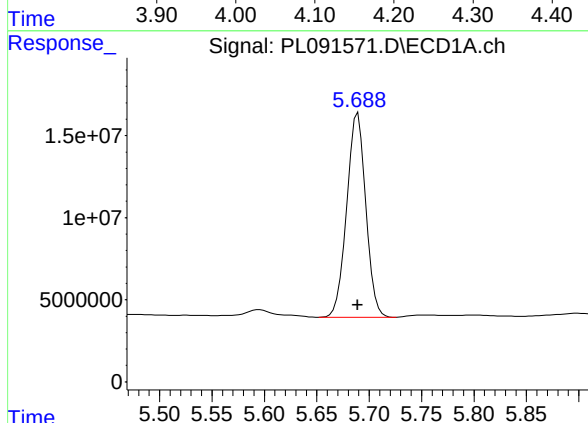
R.T.: 4.776 min  
Delta R.T.: 0.000 min  
Response: 191311159  
Conc: 102.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



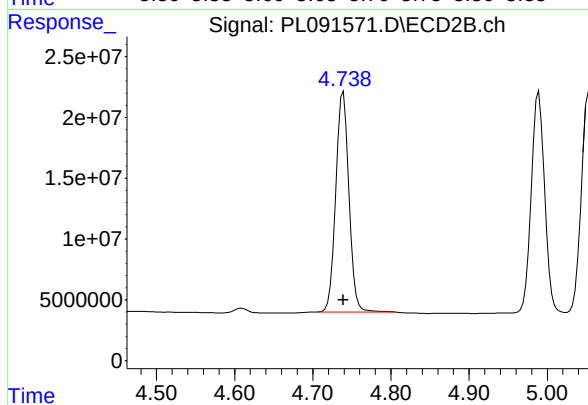
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 246726479  
Conc: 103.09 ng/ml



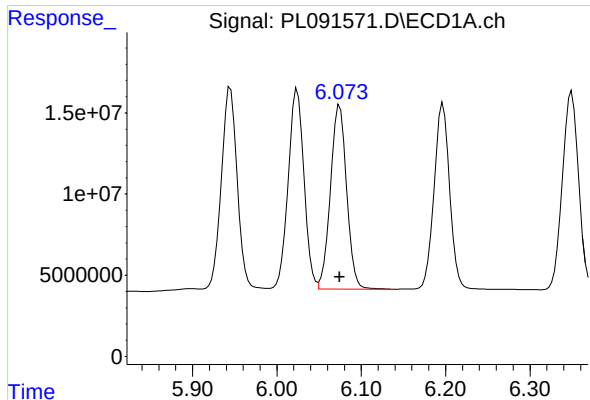
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 158413132  
Conc: 100.23 ng/ml



#8 Heptachlor epoxide

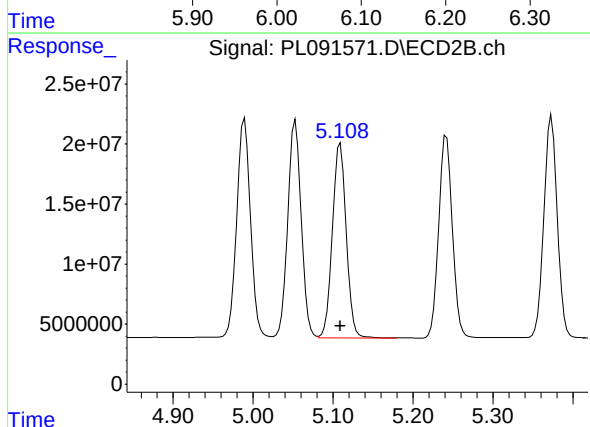
R.T.: 4.739 min  
Delta R.T.: 0.000 min  
Response: 211620514  
Conc: 101.24 ng/ml



## #9 Endosulfan I

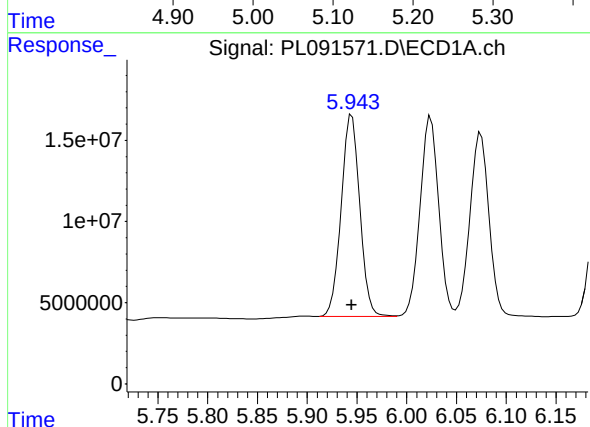
R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 151503334  
Conc: 100.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



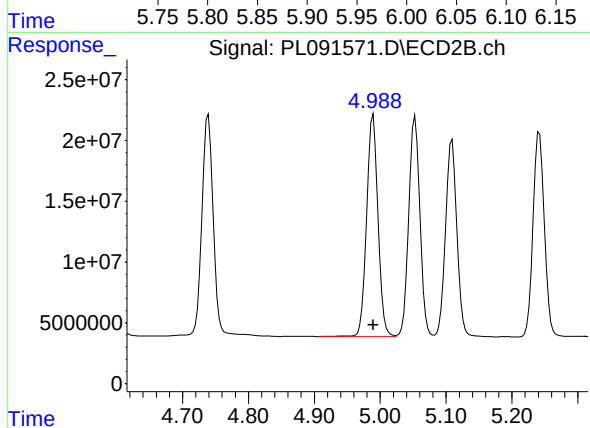
## #9 Endosulfan I

R.T.: 5.109 min  
Delta R.T.: 0.000 min  
Response: 195867284  
Conc: 101.93 ng/ml



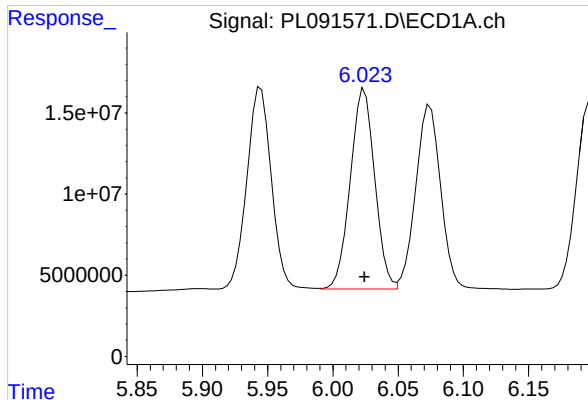
## #10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 162148863  
Conc: 100.30 ng/ml



## #10 gamma-Chlordane

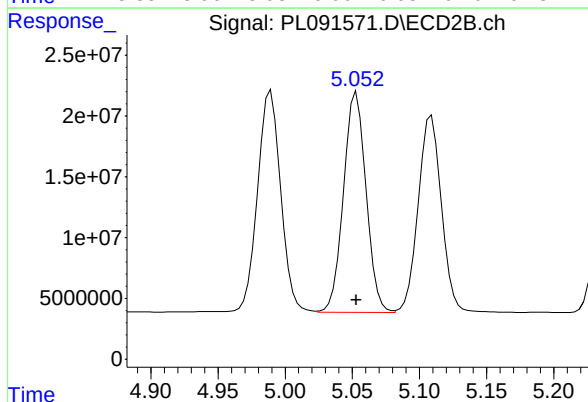
R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 219886690  
Conc: 101.50 ng/ml



#11 alpha-Chlordane

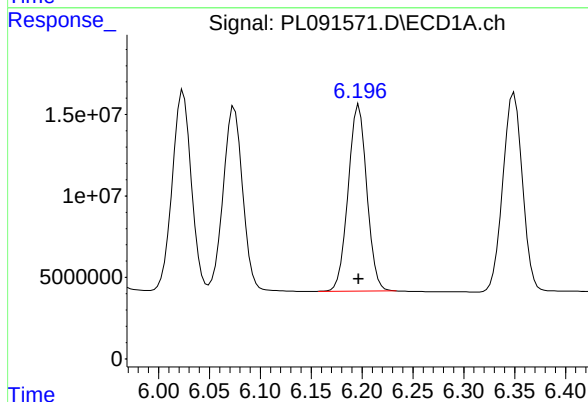
R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 160687012  
Conc: 100.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



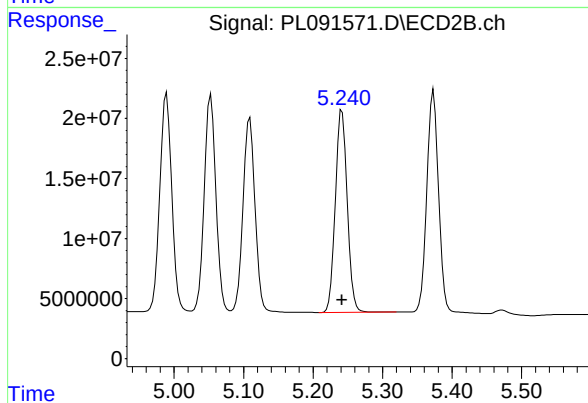
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 212285585  
Conc: 101.65 ng/ml



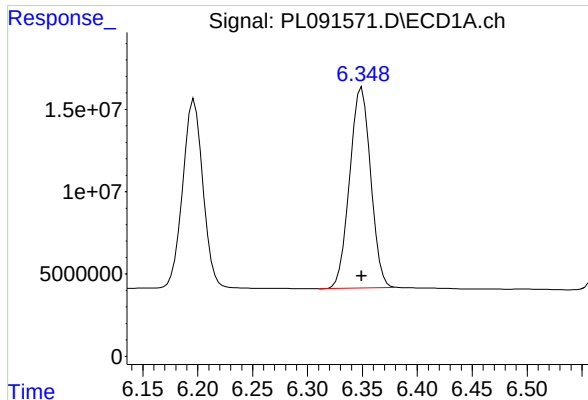
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 146055909  
Conc: 101.11 ng/ml



#12 4,4'-DDE

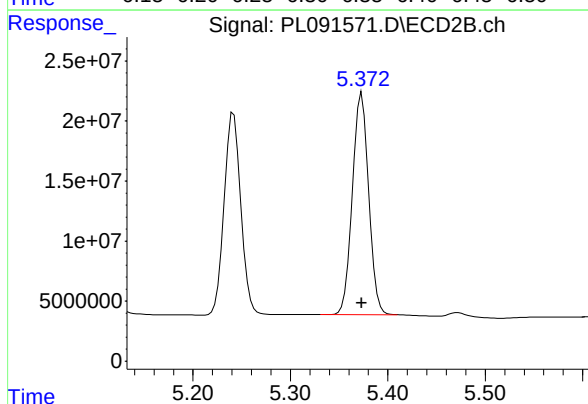
R.T.: 5.242 min  
Delta R.T.: 0.000 min  
Response: 201014475  
Conc: 102.87 ng/ml



#13 Dieldrin

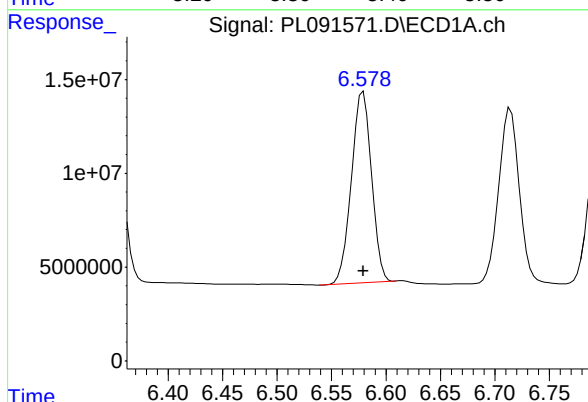
R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 162539183  
Conc: 100.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



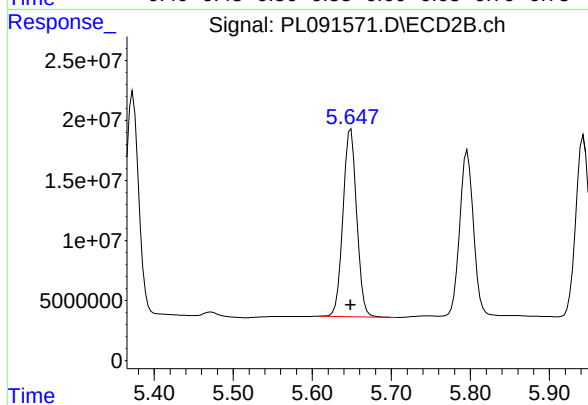
#13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 214533446  
Conc: 102.54 ng/ml



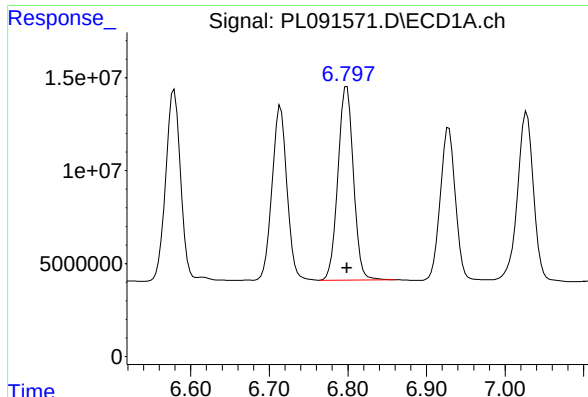
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 131101980  
Conc: 100.70 ng/ml



#14 Endrin

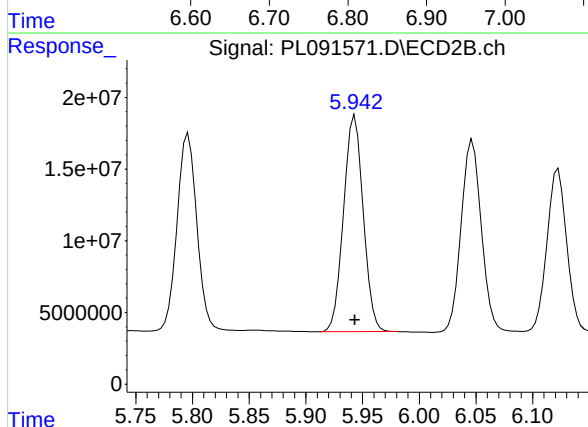
R.T.: 5.649 min  
Delta R.T.: 0.000 min  
Response: 188605460  
Conc: 102.15 ng/ml



## #15 Endosulfan II

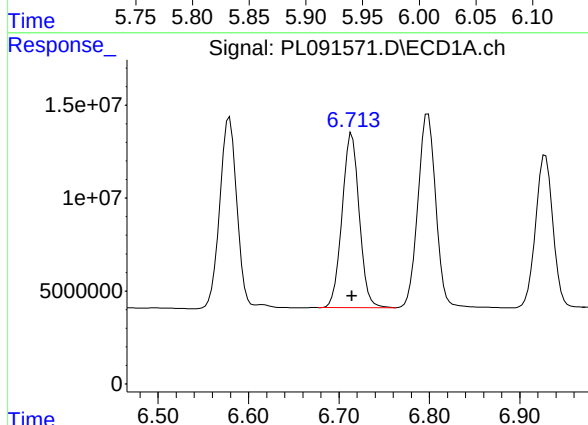
R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 142551313  
Conc: 99.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



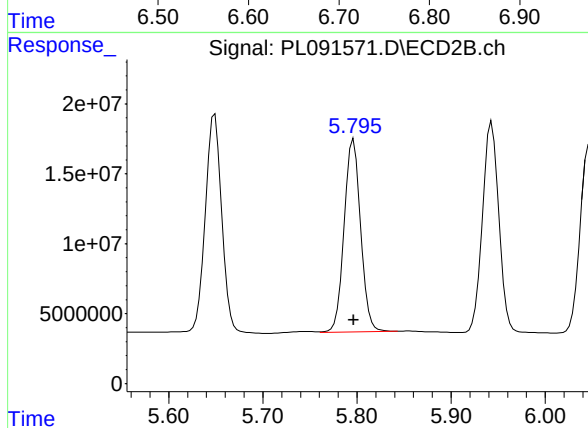
## #15 Endosulfan II

R.T.: 5.943 min  
Delta R.T.: 0.000 min  
Response: 181964109  
Conc: 101.60 ng/ml



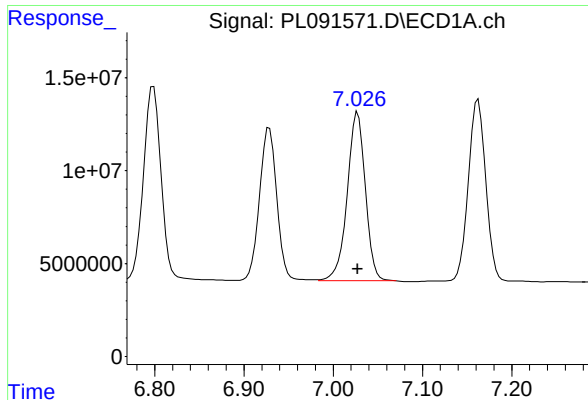
## #16 4,4'-DDD

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 123812153  
Conc: 100.18 ng/ml



## #16 4,4'-DDD

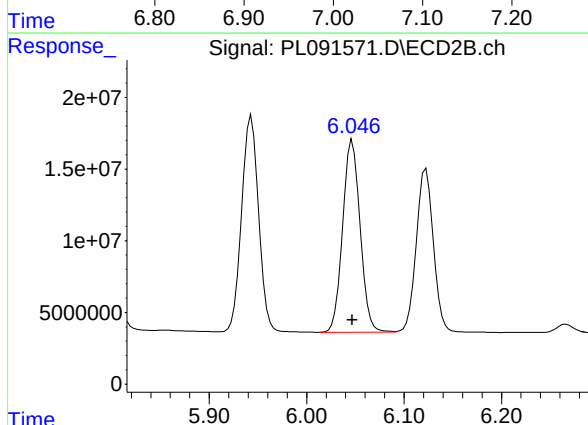
R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 168021436  
Conc: 101.07 ng/ml



#17 4,4'-DDT

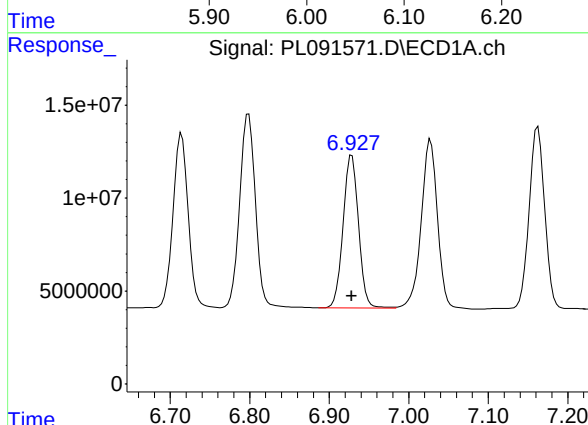
R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 128163661  
Conc: 100.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



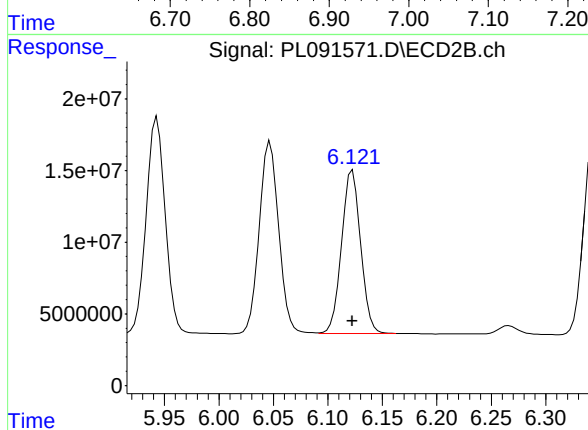
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 167071718  
Conc: 103.10 ng/ml



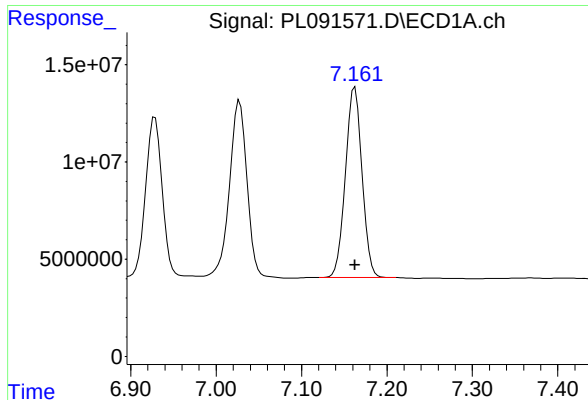
#18 Endrin aldehyde

R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 110710550  
Conc: 98.91 ng/ml



#18 Endrin aldehyde

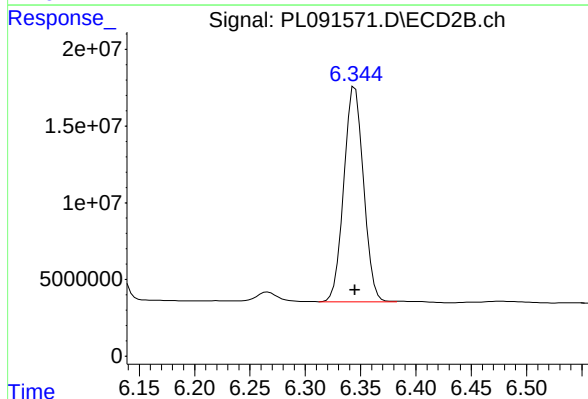
R.T.: 6.123 min  
Delta R.T.: 0.000 min  
Response: 138199380  
Conc: 100.93 ng/ml



#19 Endosulfan Sulfate

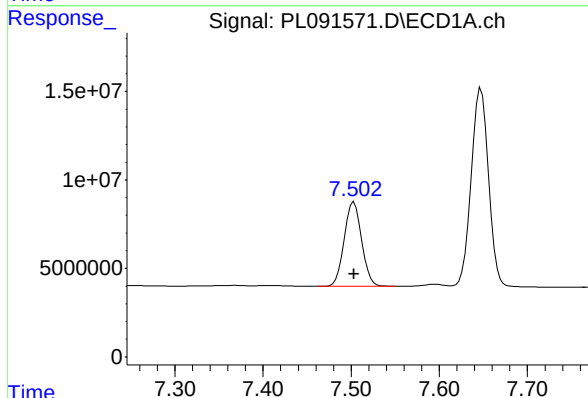
R.T.: 7.162 min  
Delta R.T.: 0.000 min  
Response: 132238911  
Conc: 99.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



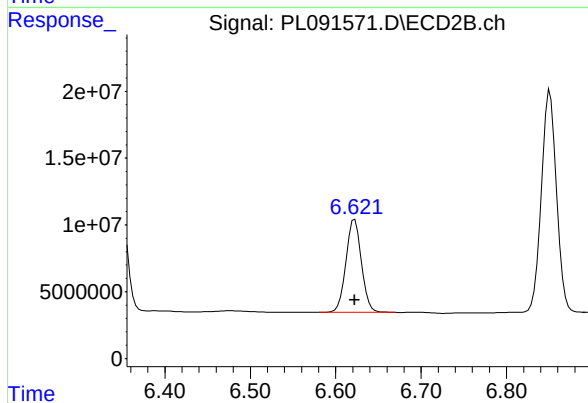
#19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 173679570  
Conc: 101.08 ng/ml



#20 Methoxychlor

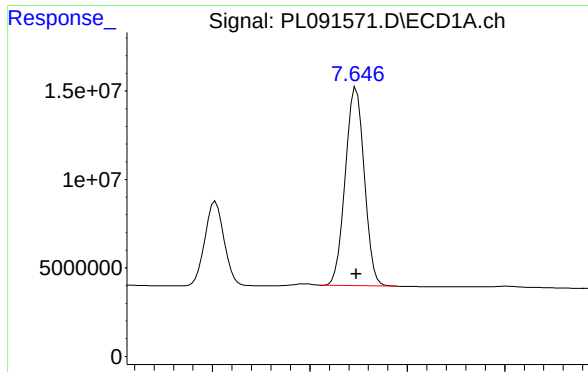
R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 65834370  
Conc: 99.66 ng/ml



#20 Methoxychlor

R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 87539700  
Conc: 100.49 ng/ml

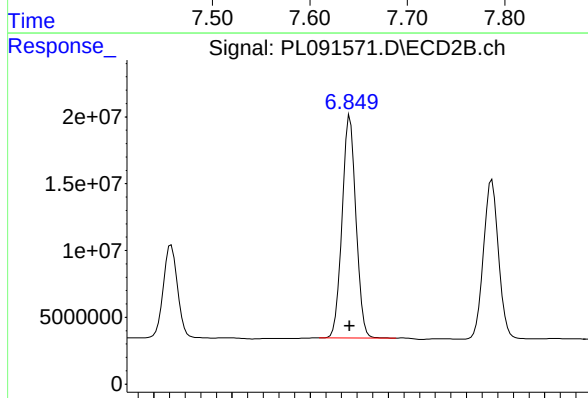




#21 Endrin ketone

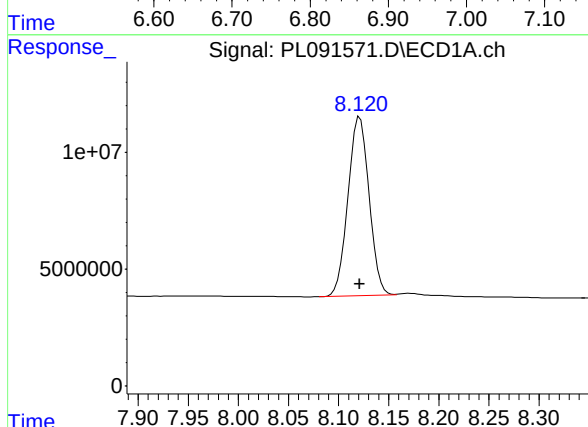
R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 152031914  
Conc: 100.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



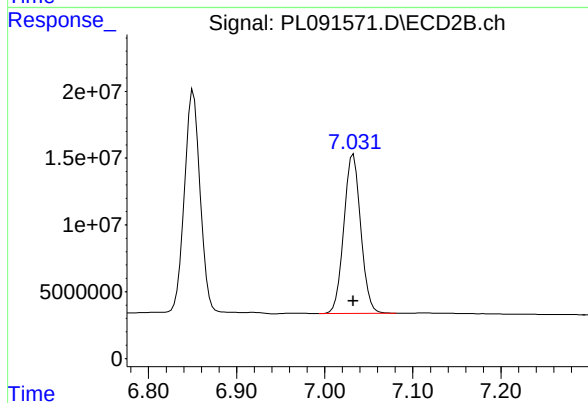
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 205355120  
Conc: 101.03 ng/ml



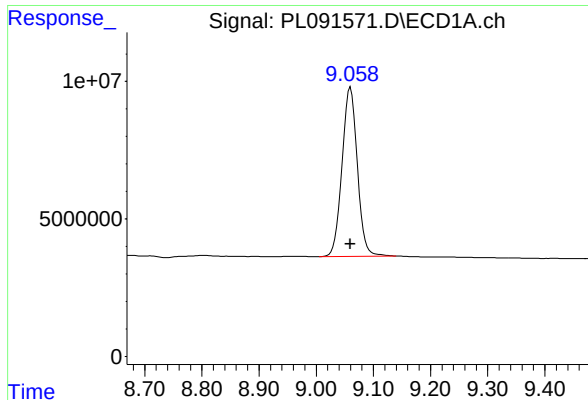
#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 112327696  
Conc: 98.31 ng/ml



#22 Mirex

R.T.: 7.033 min  
Delta R.T.: 0.000 min  
Response: 158957767  
Conc: 98.54 ng/ml

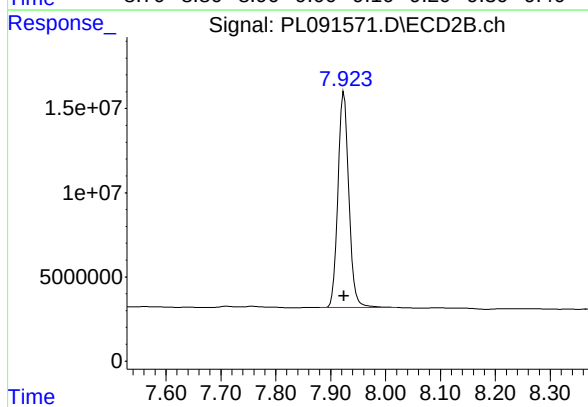


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 114568378  
Conc: 98.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 176358639  
Conc: 99.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091572.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 15:44  
 Operator : AR\AJ  
 Sample : PSTDICC075  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC075

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 16:23:13 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 16:17:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-------|-------|----------|----------|--------|---------|
| -----                       |       |       |          |          |        |         |
| System Monitoring Compounds |       |       |          |          |        |         |
| 1) SA Tetrachlo...          | 3.544 | 2.783 | 113.7E6  | 141.8E6  | 75.254 | 74.909  |
| 28) SA Decachlor...         | 9.059 | 7.924 | 85535158 | 132.8E6  | 74.090 | 74.753  |
| Target Compounds            |       |       |          |          |        |         |
| 2) A alpha-BHC              | 3.999 | 3.286 | 162.4E6  | 207.8E6  | 75.094 | 74.874  |
| 3) MA gamma-BHC...          | 4.332 | 3.616 | 154.5E6  | 190.9E6  | 75.256 | 74.953  |
| 4) MA Heptachlor            | 4.920 | 3.956 | 138.1E6  | 184.0E6  | 74.750 | 75.043  |
| 5) MB Aldrin                | 5.262 | 4.236 | 133.1E6  | 176.1E6  | 74.821 | 75.530  |
| 6) B beta-BHC               | 4.528 | 3.915 | 65518386 | 79281522 | 74.876 | 75.136  |
| 7) B delta-BHC              | 4.775 | 4.145 | 139.9E6  | 180.2E6  | 74.886 | 75.194  |
| 8) B Heptachlo...           | 5.688 | 4.739 | 120.2E6  | 156.1E6  | 75.685 | 74.790  |
| 9) A Endosulfan I           | 6.074 | 5.109 | 112.6E6  | 142.8E6  | 74.726 | 74.524  |
| 10) B gamma-Chl...          | 5.944 | 4.989 | 121.5E6  | 163.5E6  | 75.090 | 75.308  |
| 11) B alpha-Chl...          | 6.023 | 5.053 | 120.1E6  | 157.0E6  | 75.095 | 75.120  |
| 12) B 4,4'-DDE              | 6.197 | 5.240 | 107.8E6  | 146.8E6  | 74.728 | 74.439m |
| 13) MA Dieldrin             | 6.349 | 5.373 | 119.9E6  | 158.0E6  | 74.617 | 75.348  |
| 14) MA Endrin               | 6.579 | 5.648 | 97673303 | 138.3E6  | 75.014 | 74.922  |
| 15) B Endosulfa...          | 6.797 | 5.943 | 107.2E6  | 134.5E6  | 74.818 | 75.053  |
| 16) A 4,4'-DDD              | 6.713 | 5.796 | 92397005 | 124.6E6  | 74.841 | 74.964  |
| 17) MA 4,4'-DDT             | 7.027 | 6.047 | 94055351 | 121.2E6  | 74.261 | 74.877  |
| 18) B Endrin al...          | 6.928 | 6.122 | 83233510 | 102.0E6  | 74.575 | 74.662  |
| 19) B Endosulfa...          | 7.162 | 6.346 | 98491870 | 128.7E6  | 74.218 | 74.950  |
| 20) A Methoxychlor          | 7.503 | 6.623 | 48606672 | 64963105 | 74.045 | 74.717  |
| 21) B Endrin ke...          | 7.647 | 6.851 | 112.3E6  | 151.4E6  | 74.289 | 74.668  |
| 22) Mirex                   | 8.121 | 7.032 | 84617028 | 120.0E6  | 74.368 | 74.579  |
| -----                       |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091572.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 15:44  
Operator : AR\AJ  
Sample : PSTDICC075  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC075

## Manual Integrations

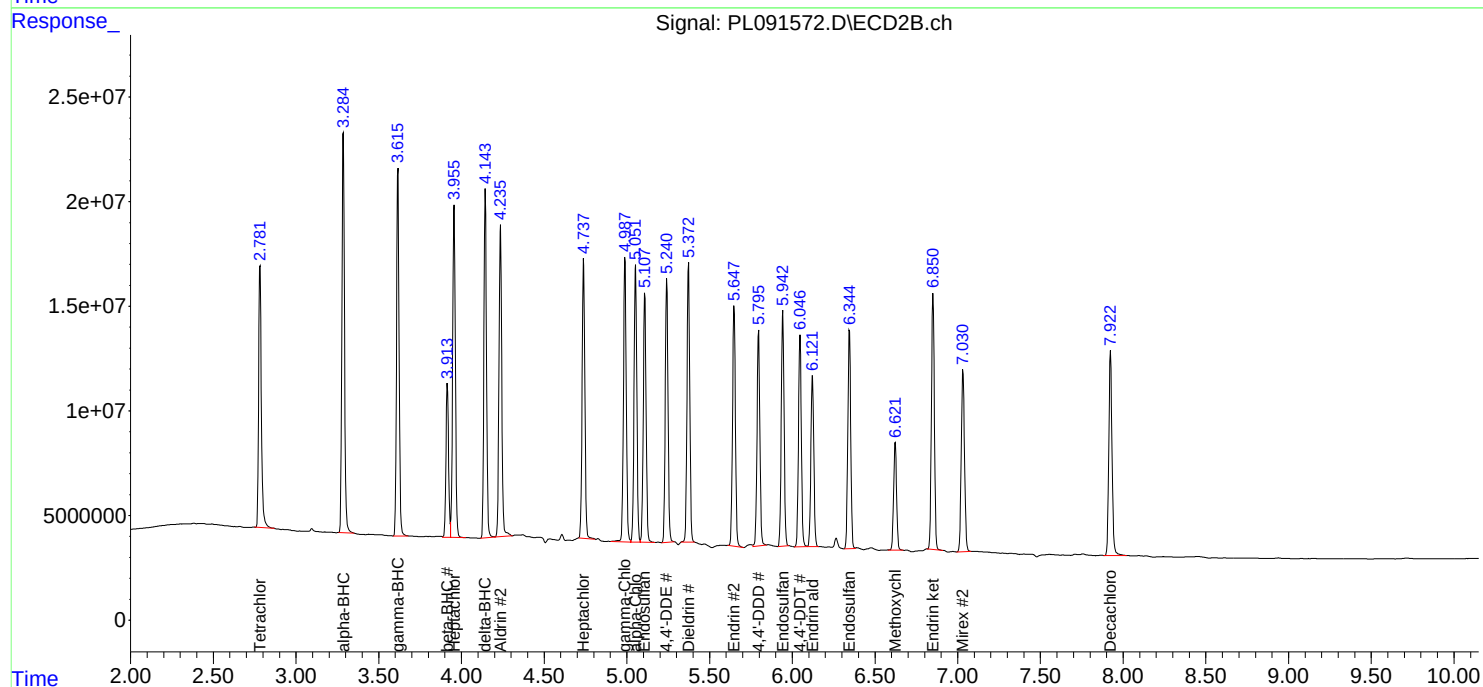
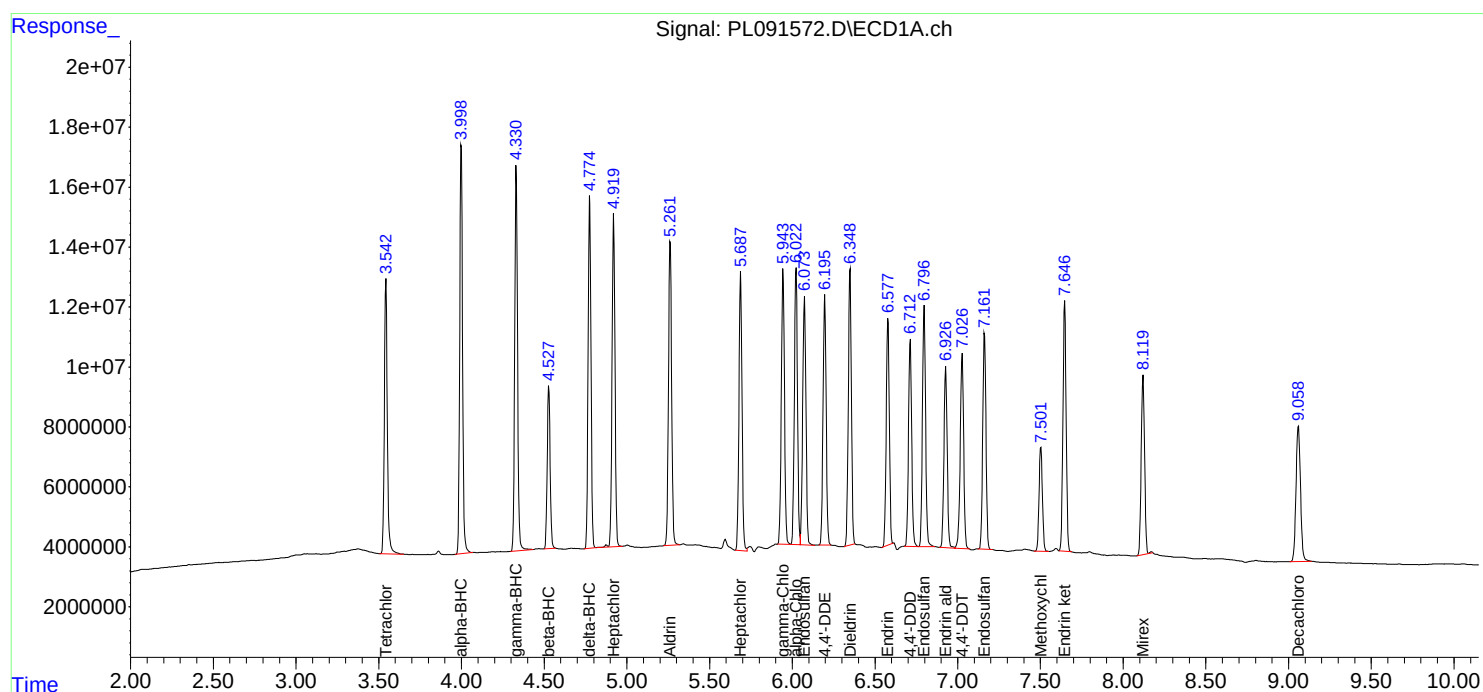
## APPROVED

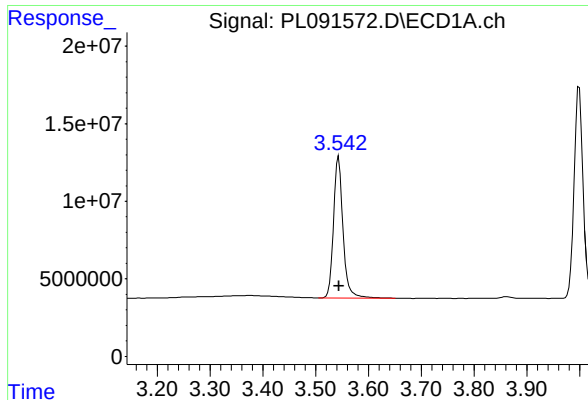
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 16:23:13 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 16:17:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





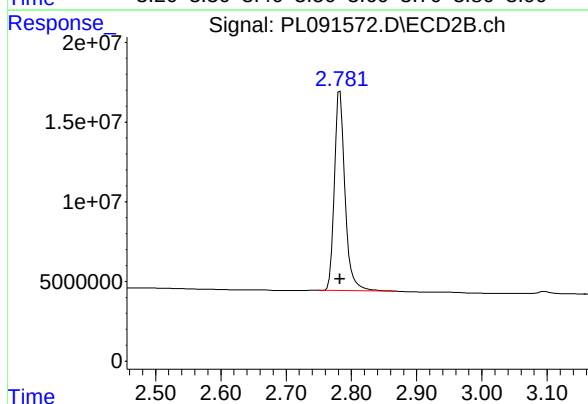
## #1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 113695631  
Conc: 75.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

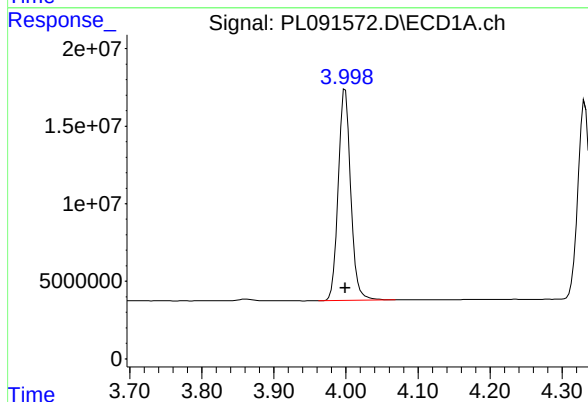
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



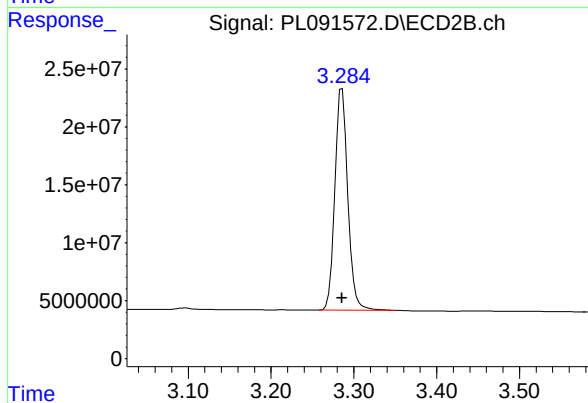
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 141776110  
Conc: 74.91 ng/ml



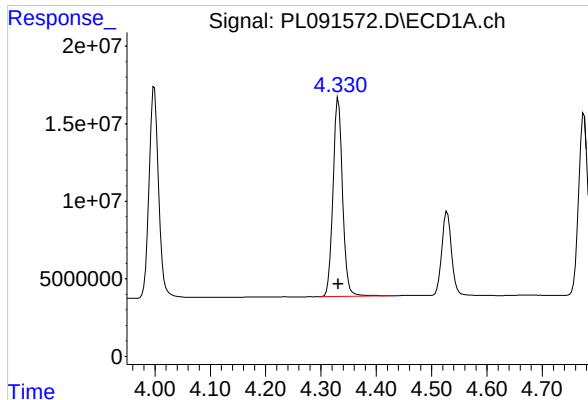
## #2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 162397660  
Conc: 75.09 ng/ml



## #2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 207831095  
Conc: 74.87 ng/ml



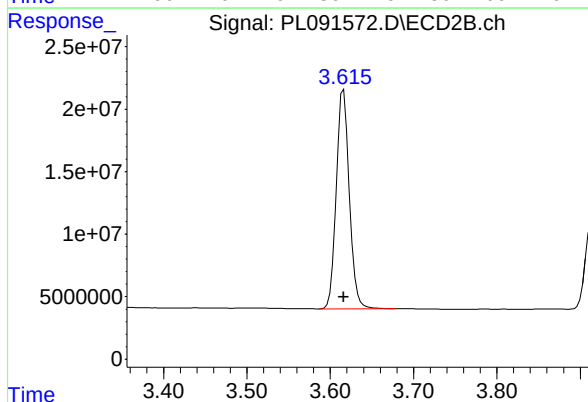
## #3 gamma-BHC (Lindane)

R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 154516436  
Conc: 75.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

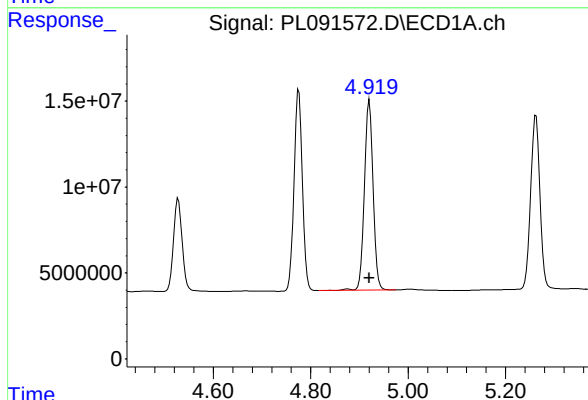
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



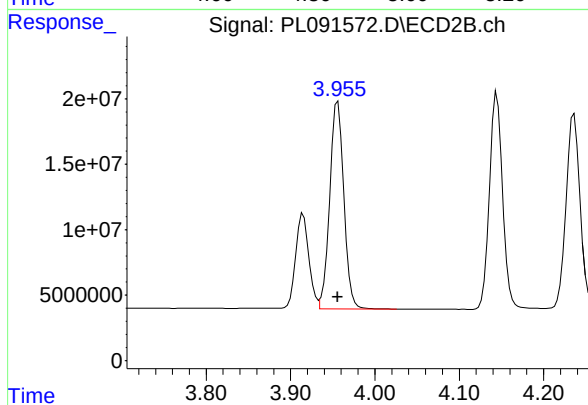
## #3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 190905083  
Conc: 74.95 ng/ml



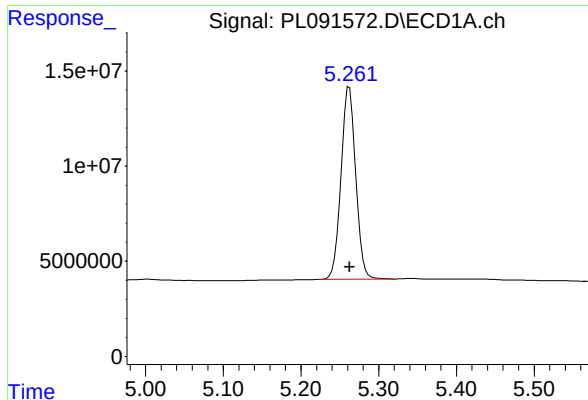
## #4 Heptachlor

R.T.: 4.920 min  
Delta R.T.: 0.000 min  
Response: 138121426  
Conc: 74.75 ng/ml



## #4 Heptachlor

R.T.: 3.956 min  
Delta R.T.: 0.000 min  
Response: 184028559  
Conc: 75.04 ng/ml



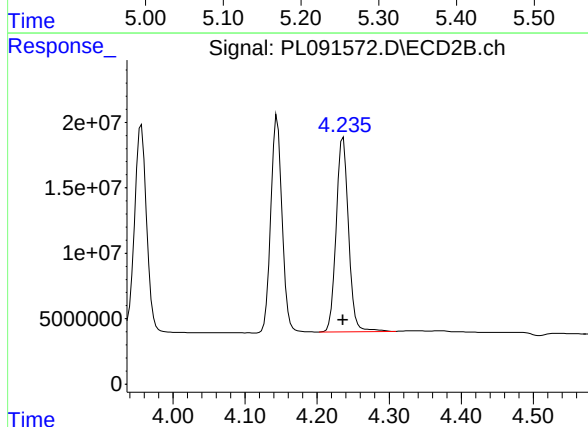
#5 Aldrin

R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 133086859  
Conc: 74.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

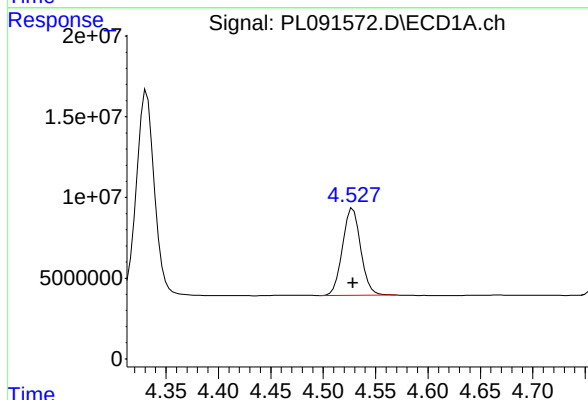
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



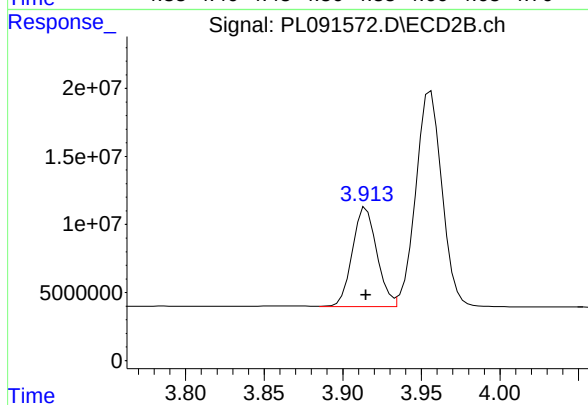
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 176077923  
Conc: 75.53 ng/ml



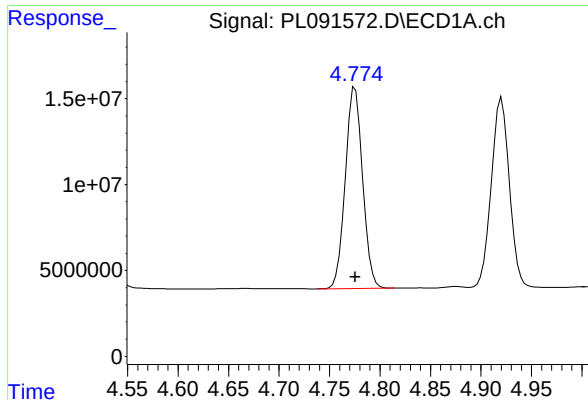
#6 beta-BHC

R.T.: 4.528 min  
Delta R.T.: 0.000 min  
Response: 65518386  
Conc: 74.88 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 79281522  
Conc: 75.14 ng/ml



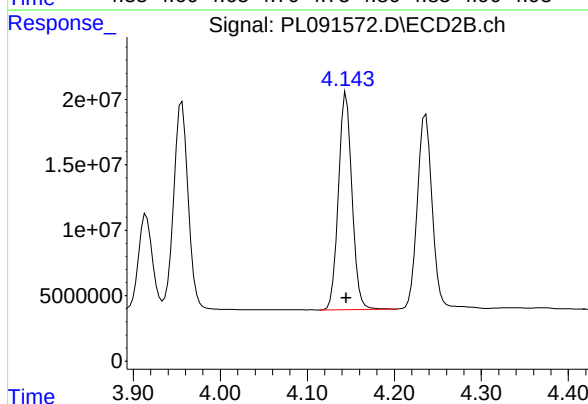
#7 delta-BHC

R.T.: 4.775 min  
Delta R.T.: 0.000 min  
Response: 139889565  
Conc: 74.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

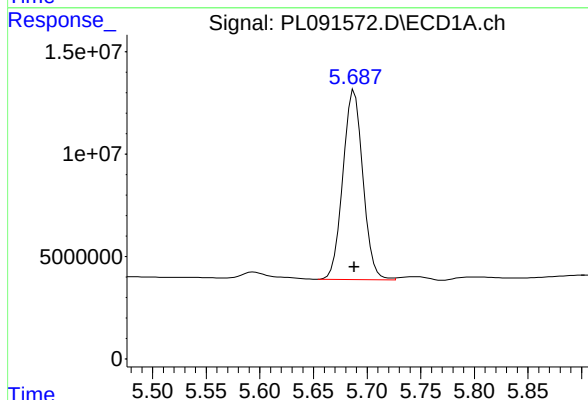
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



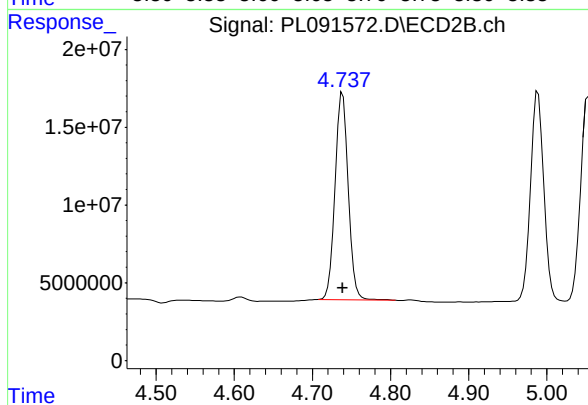
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 180199894  
Conc: 75.19 ng/ml



#8 Heptachlor epoxide

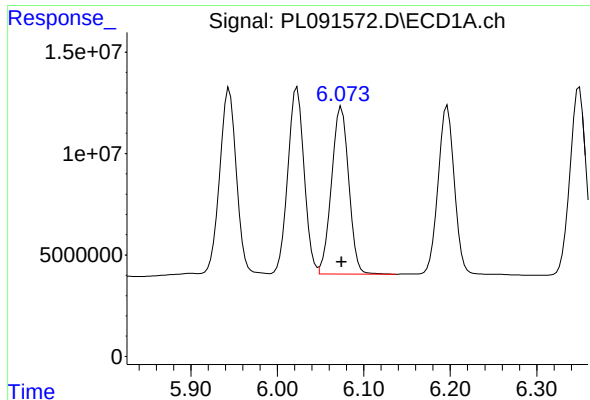
R.T.: 5.688 min  
Delta R.T.: 0.000 min  
Response: 120166563  
Conc: 75.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.739 min  
Delta R.T.: 0.000 min  
Response: 156117714  
Conc: 74.79 ng/ml





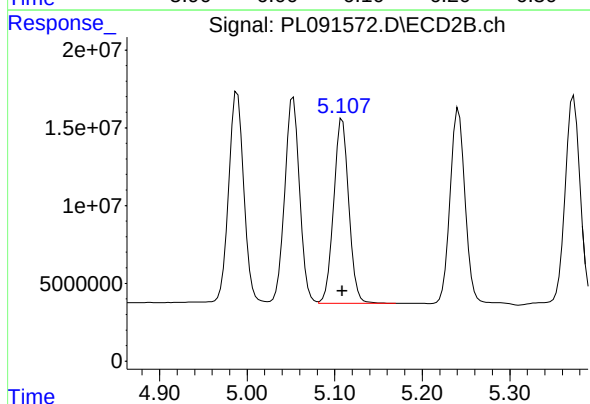
## #9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 112598153  
Conc: 74.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

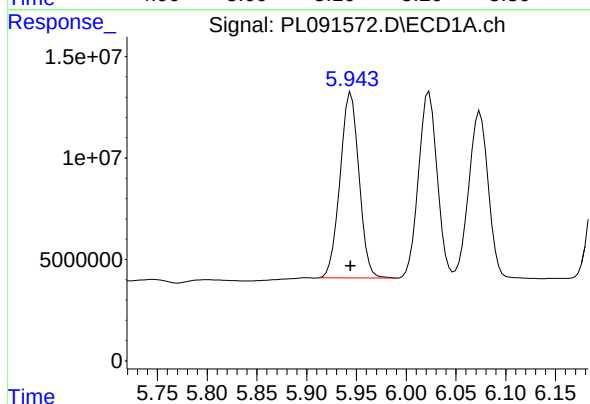
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



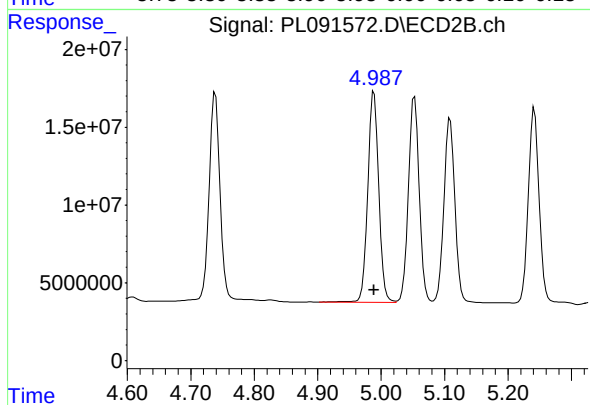
## #9 Endosulfan I

R.T.: 5.109 min  
Delta R.T.: 0.000 min  
Response: 142753979  
Conc: 74.52 ng/ml



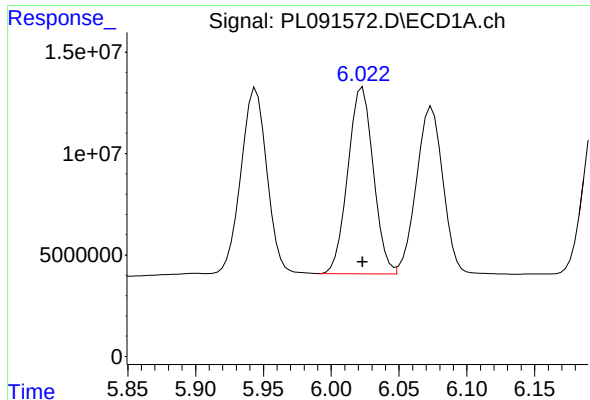
## #10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: 0.000 min  
Response: 121462389  
Conc: 75.09 ng/ml



## #10 gamma-Chlordane

R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 163475062  
Conc: 75.31 ng/ml



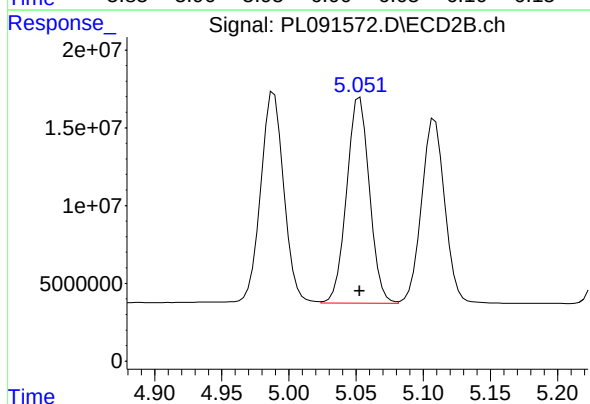
#11 alpha-Chlordane

R.T.: 6.023 min  
Delta R.T.: 0.000 min  
Response: 120089641  
Conc: 75.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

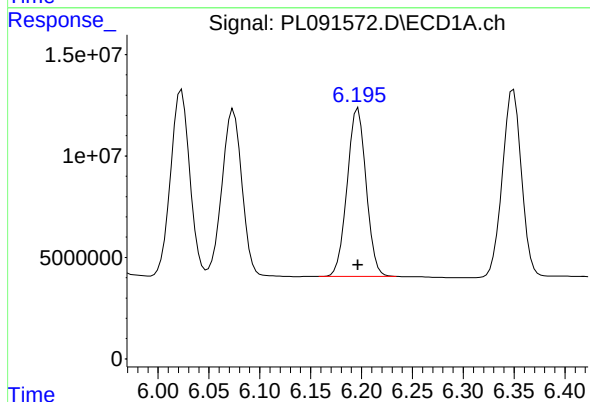
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



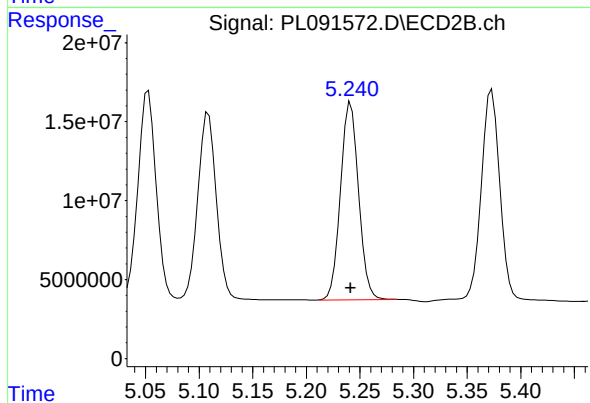
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 157014020  
Conc: 75.12 ng/ml



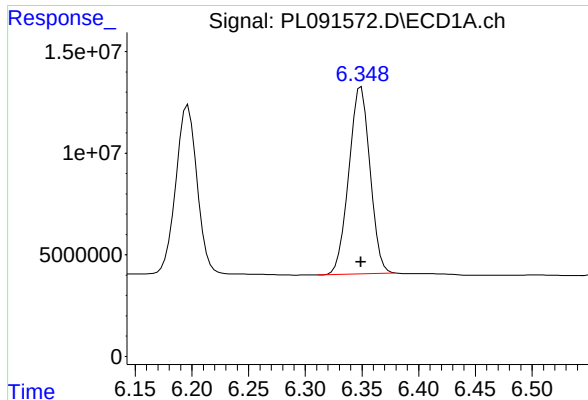
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 107751293  
Conc: 74.73 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min  
Delta R.T.: -0.001 min  
Response: 146836297  
Conc: 74.44 ng/ml m



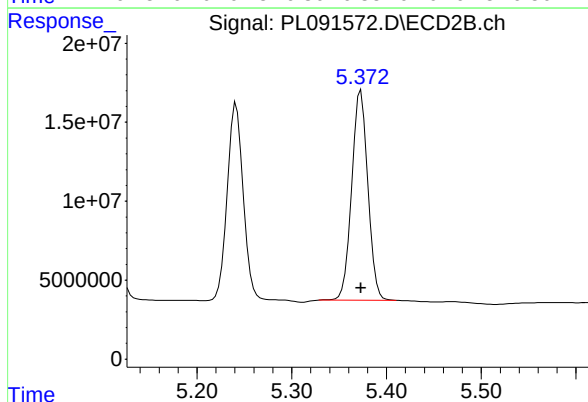
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 119938557  
Conc: 74.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

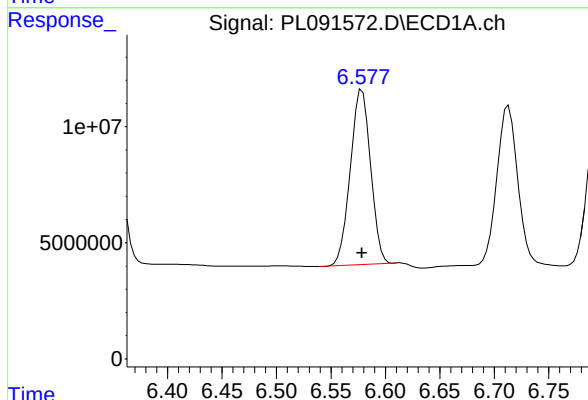
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



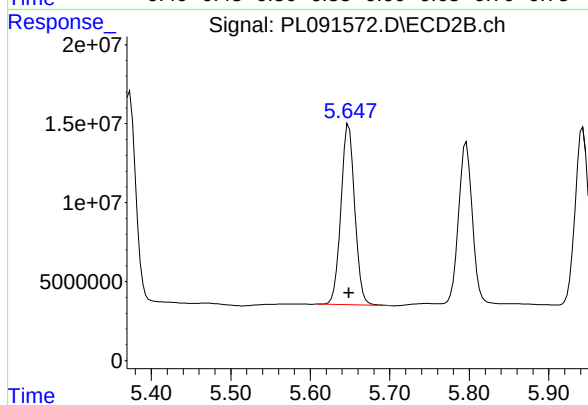
#13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 158009099  
Conc: 75.35 ng/ml



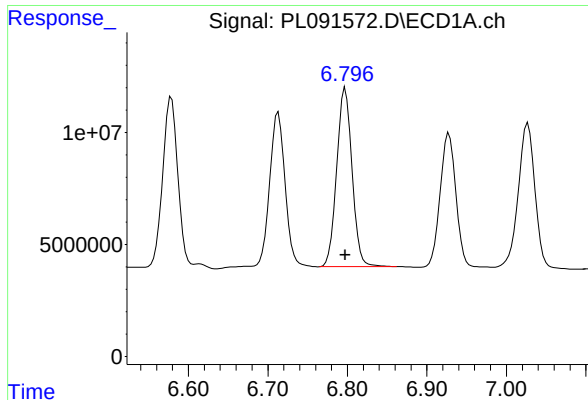
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 97673303  
Conc: 75.01 ng/ml



#14 Endrin

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 138264109  
Conc: 74.92 ng/ml



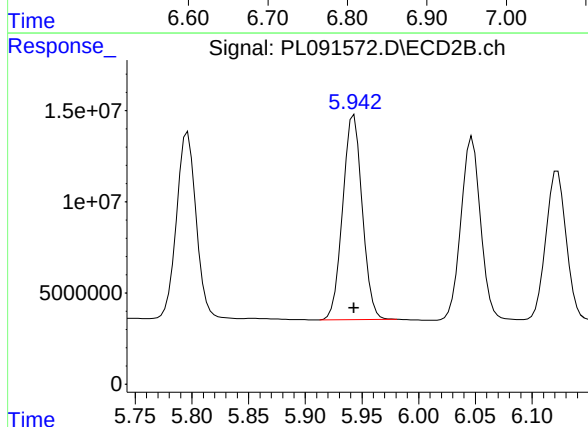
## #15 Endosulfan II

R.T.: 6.797 min  
Delta R.T.: 0.000 min  
Response: 107234507  
Conc: 74.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

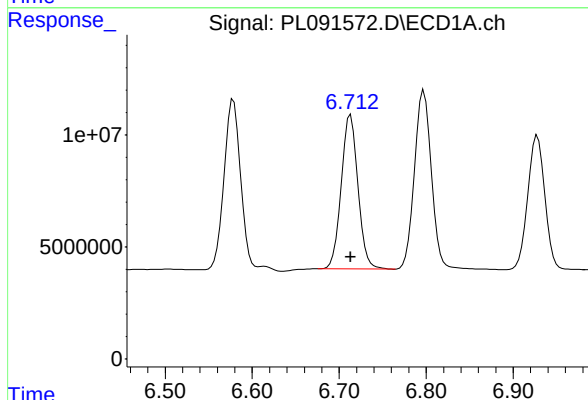
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



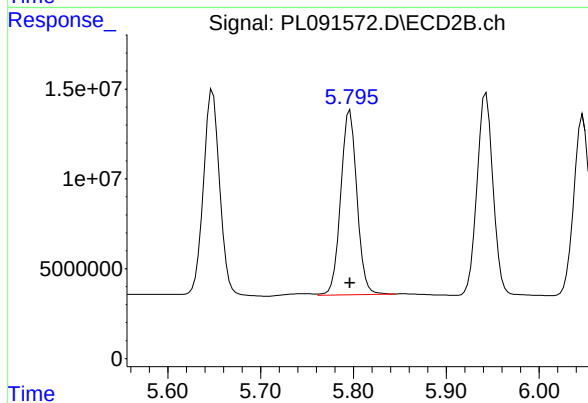
## #15 Endosulfan II

R.T.: 5.943 min  
Delta R.T.: 0.000 min  
Response: 134459576  
Conc: 75.05 ng/ml



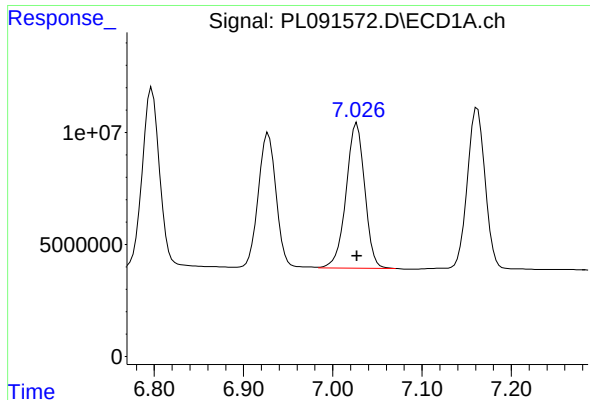
## #16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: 0.000 min  
Response: 92397005  
Conc: 74.84 ng/ml



## #16 4,4'-DDD

R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 124592614  
Conc: 74.96 ng/ml



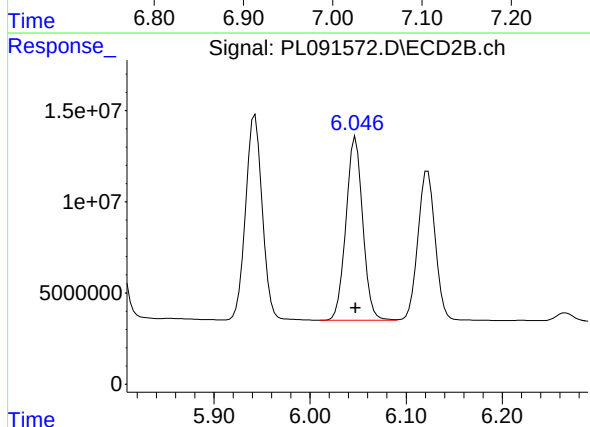
#17 4,4'-DDT

R.T.: 7.027 min  
Delta R.T.: 0.000 min  
Response: 94055351  
Conc: 74.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

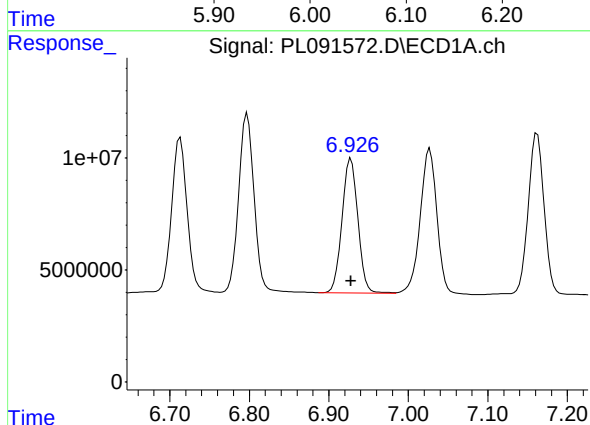
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



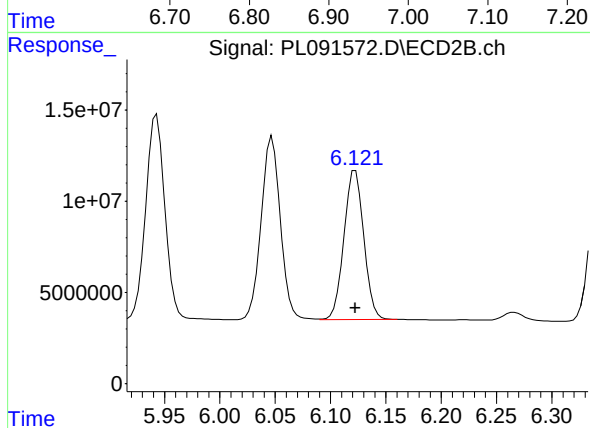
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 121237920  
Conc: 74.88 ng/ml



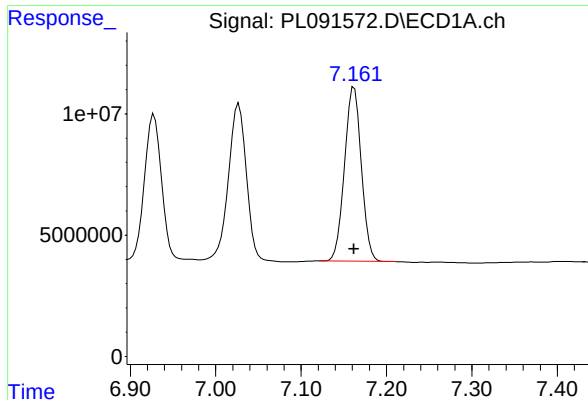
#18 Endrin aldehyde

R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 83233510  
Conc: 74.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 102001671  
Conc: 74.66 ng/ml



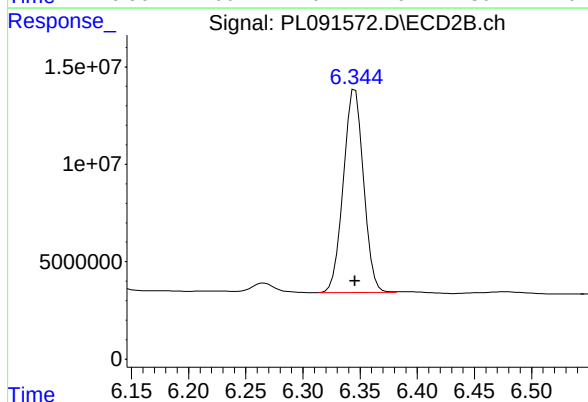
## #19 Endosulfan Sulfate

R.T.: 7.162 min  
Delta R.T.: 0.000 min  
Response: 98491870  
Conc: 74.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

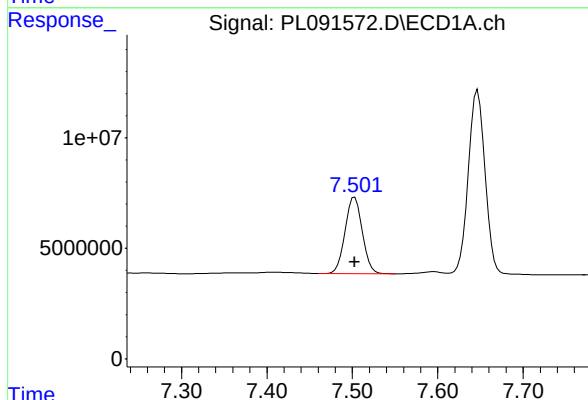
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



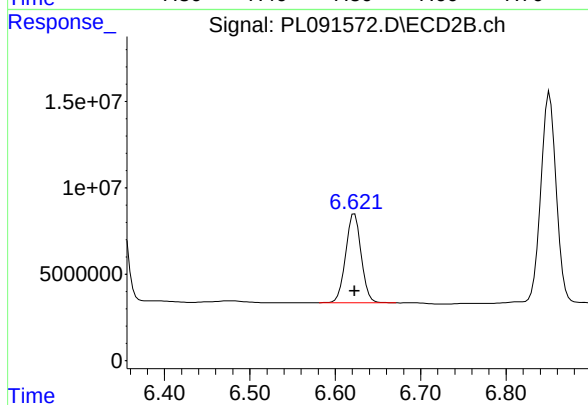
## #19 Endosulfan Sulfate

R.T.: 6.346 min  
Delta R.T.: 0.000 min  
Response: 128745064  
Conc: 74.95 ng/ml



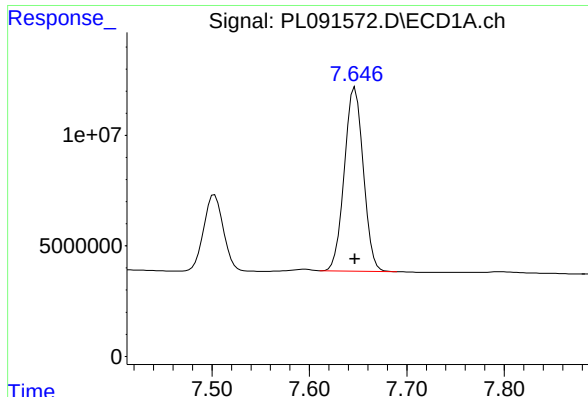
## #20 Methoxychlor

R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 48606672  
Conc: 74.05 ng/ml



## #20 Methoxychlor

R.T.: 6.623 min  
Delta R.T.: 0.000 min  
Response: 64963105  
Conc: 74.72 ng/ml



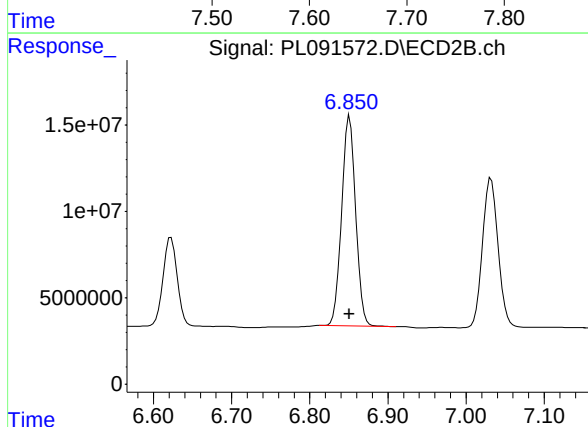
#21 Endrin ketone

R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 112303253  
Conc: 74.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

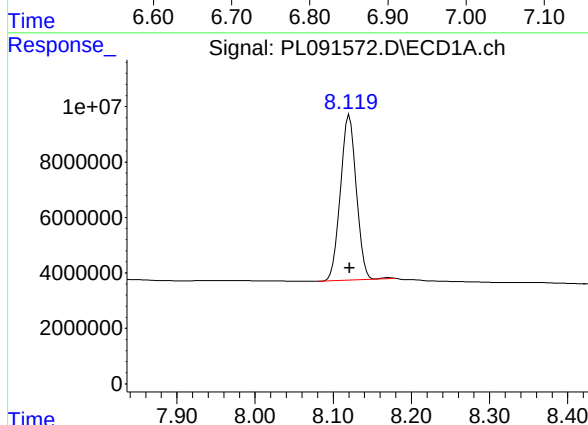
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



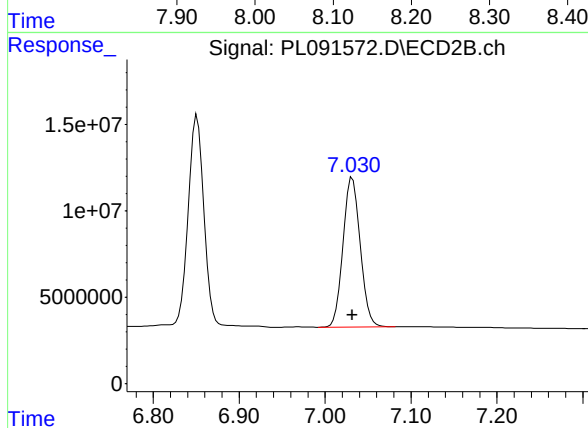
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 151440166  
Conc: 74.67 ng/ml



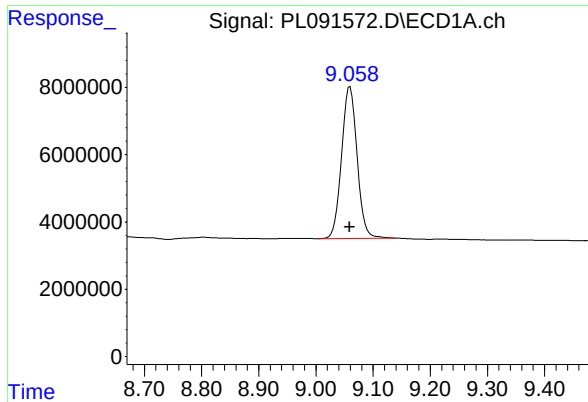
#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 84617028  
Conc: 74.37 ng/ml



#22 Mirex

R.T.: 7.032 min  
Delta R.T.: 0.000 min  
Response: 119971167  
Conc: 74.58 ng/ml



#28 Decachlorobiphenyl

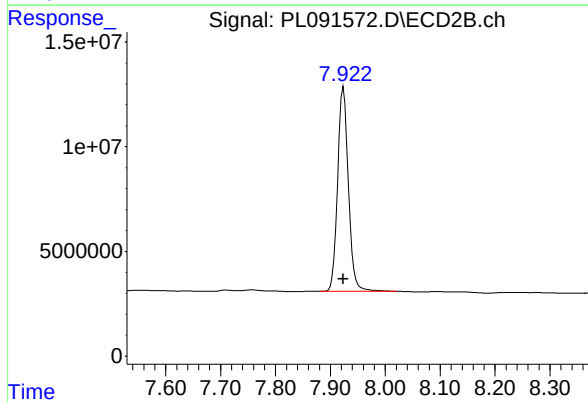
R.T.: 9.059 min  
Delta R.T.: 0.000 min  
Response: 85535158  
Conc: 74.09 ng/ml

ICAL Form

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 132755883  
Conc: 74.75 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091573.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 15:58  
 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: Sep 09 16:18:13 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 16:17:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 74832126 | 93233754 | 50.000 | 50.000 |
| 28)                         | SA Decachlor... | 9.060 | 7.925 | 58864100 | 89706305 | 50.000 | 50.000 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.999 | 3.286 | 105.1E6  | 134.2E6  | 50.000 | 50.000 |
| 3)                          | MA gamma-BHC... | 4.332 | 3.616 | 99783579 | 123.8E6  | 50.000 | 50.000 |
| 4)                          | MA Heptachlor   | 4.921 | 3.956 | 91744201 | 119.9E6  | 50.000 | 50.000 |
| 5)                          | MB Aldrin       | 5.262 | 4.236 | 88548369 | 113.3E6  | 50.000 | 50.000 |
| 6)                          | B beta-BHC      | 4.528 | 3.915 | 43876740 | 52550611 | 50.000 | 50.000 |
| 7)                          | B delta-BHC     | 4.776 | 4.145 | 91289942 | 116.0E6  | 50.000 | 50.000 |
| 8)                          | B Heptachlo...  | 5.689 | 4.739 | 78841596 | 103.2E6  | 50.000 | 50.000 |
| 9)                          | A Endosulfan I  | 6.074 | 5.109 | 75205245 | 94228390 | 50.000 | 50.000 |
| 10)                         | B gamma-Chl...  | 5.945 | 4.989 | 80585238 | 106.7E6  | 50.000 | 50.000 |
| 11)                         | B alpha-Chl...  | 6.023 | 5.053 | 79473049 | 102.7E6  | 50.000 | 50.000 |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.242 | 71425110 | 94898531 | 50.000 | 50.000 |
| 13)                         | MA Dieldrin     | 6.349 | 5.374 | 79881341 | 102.0E6  | 50.000 | 50.000 |
| 14)                         | MA Endrin       | 6.579 | 5.649 | 64643821 | 90337100 | 50.000 | 50.000 |
| 15)                         | B Endosulfa...  | 6.798 | 5.943 | 72224064 | 88107883 | 50.000 | 50.000 |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.797 | 61682542 | 82231444 | 50.000 | 50.000 |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.047 | 63198293 | 78512022 | 50.000 | 50.000 |
| 18)                         | B Endrin al...  | 6.929 | 6.123 | 56571300 | 67826225 | 50.000 | 50.000 |
| 19)                         | B Endosulfa...  | 7.162 | 6.346 | 67278834 | 84991076 | 50.000 | 50.000 |
| 20)                         | A Methoxychlor  | 7.503 | 6.623 | 33144870 | 43339075 | 50.000 | 50.000 |
| 21)                         | B Endrin ke...  | 7.647 | 6.851 | 75871602 | 100.6E6  | 50.000 | 50.000 |
| 22)                         | Mirex           | 8.121 | 7.033 | 58096935 | 81837013 | 50.000 | 50.000 |
| -----                       |                 |       |       |          |          |        |        |

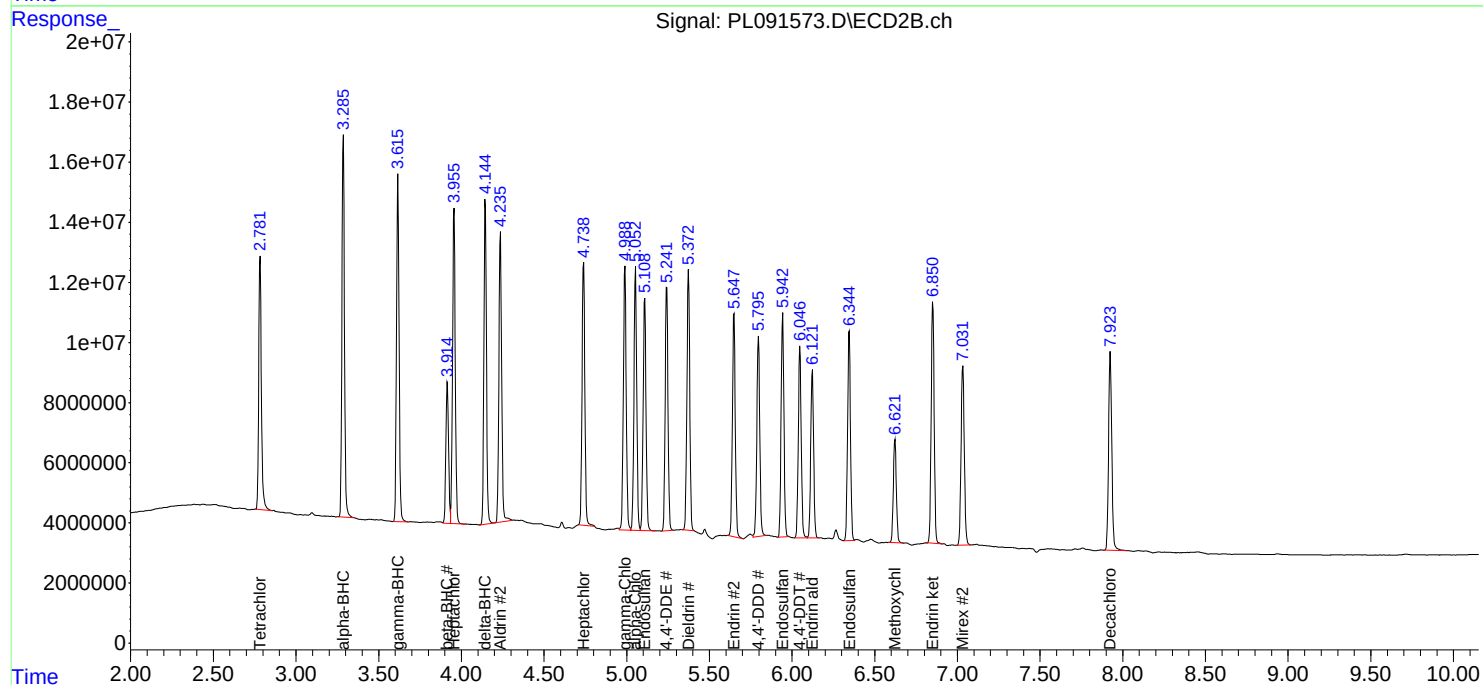
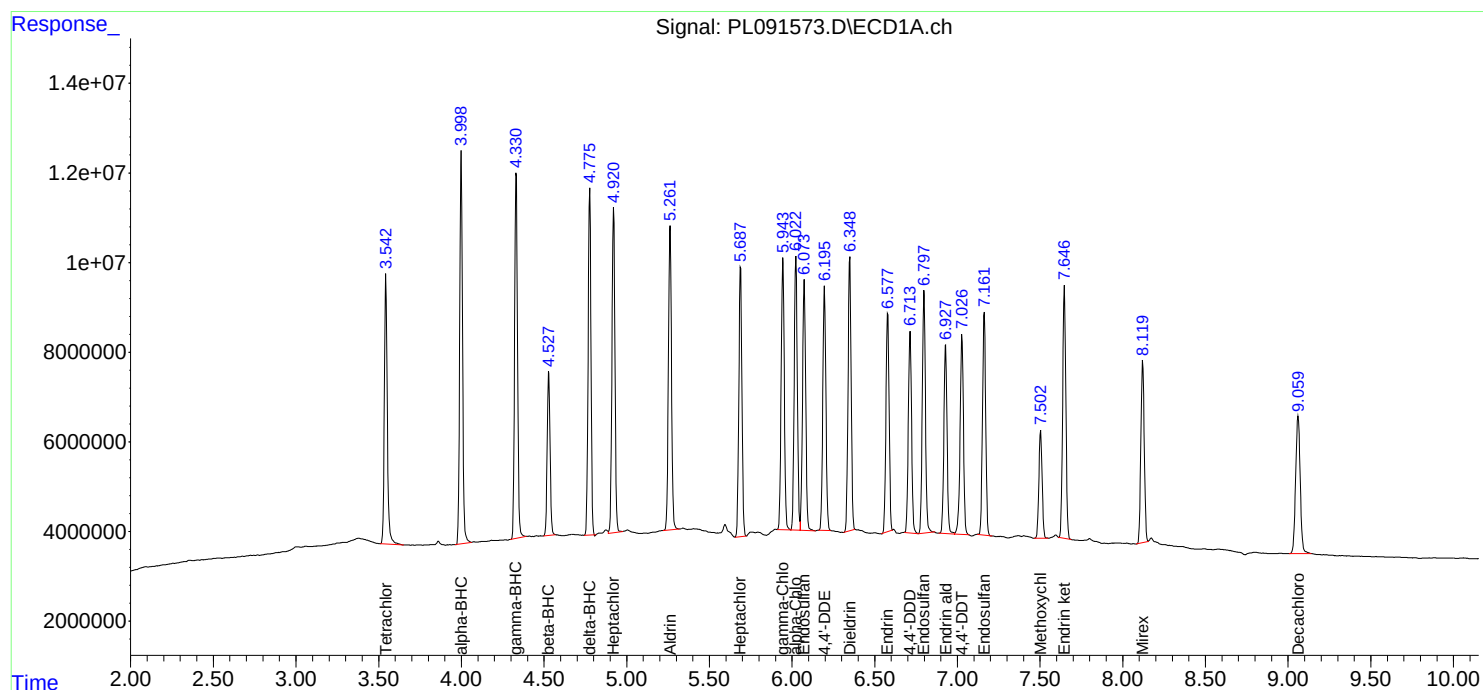
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

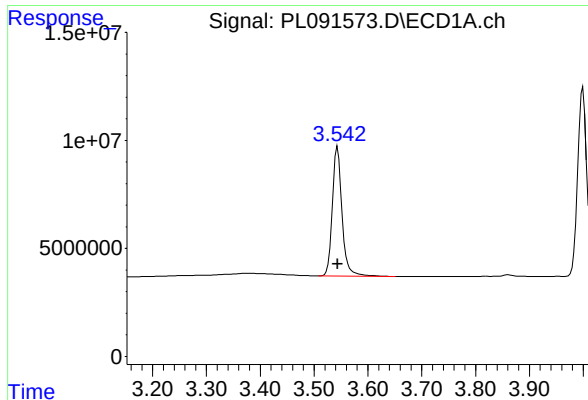
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091573.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 15:58  
Operator : AR\AJ  
Sample : PSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 16:18:13 2024  
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 16:17:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

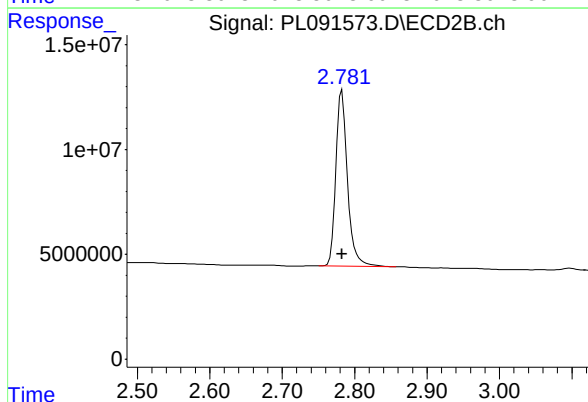




## #1 Tetrachloro-m-xylene

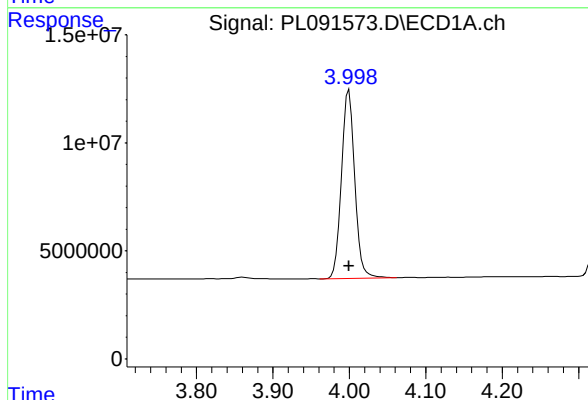
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 74832126  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



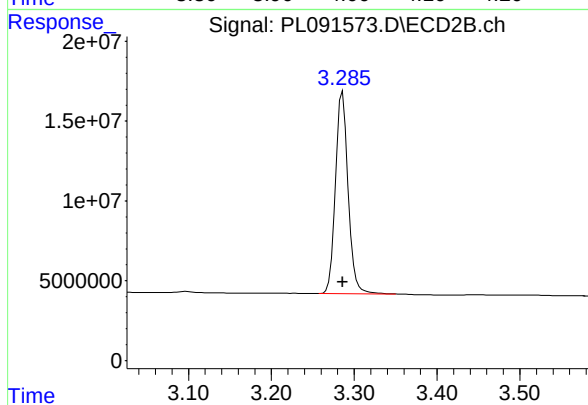
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 93233754  
Conc: 50.00 ng/ml



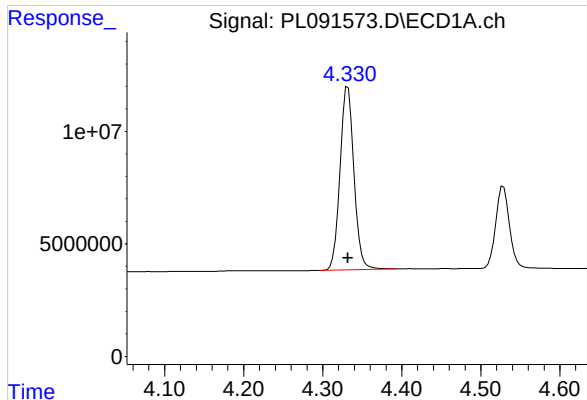
## #2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 105121137  
Conc: 50.00 ng/ml



## #2 alpha-BHC

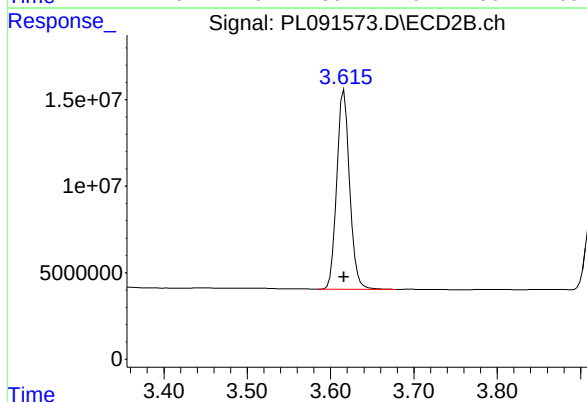
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 134209374  
Conc: 50.00 ng/ml



## #3 gamma-BHC (Lindane)

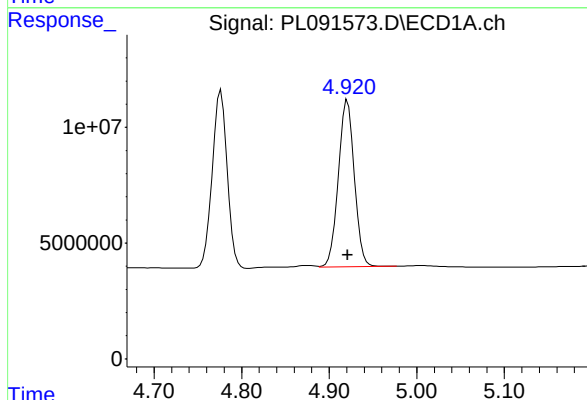
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 99783579  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



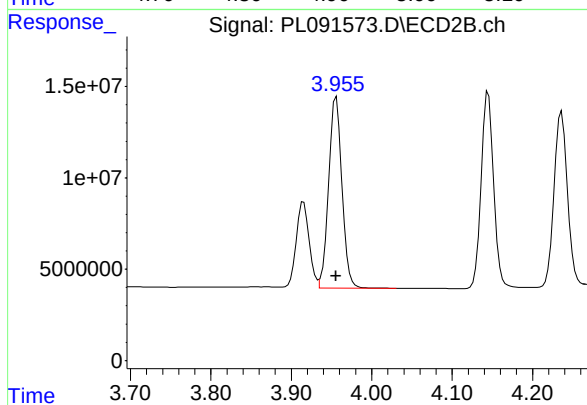
## #3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 123763299  
Conc: 50.00 ng/ml



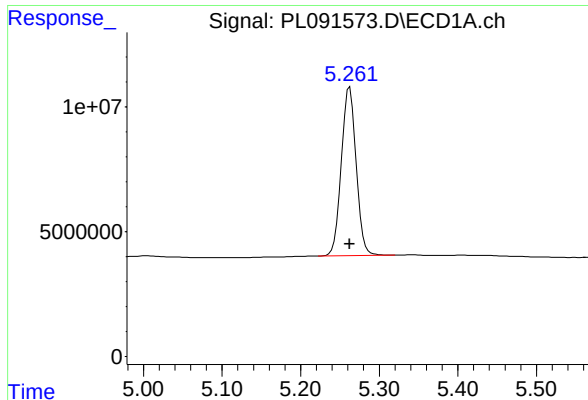
## #4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 91744201  
Conc: 50.00 ng/ml



## #4 Heptachlor

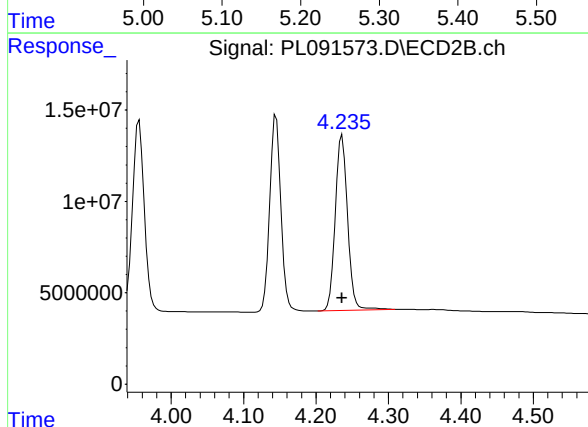
R.T.: 3.956 min  
Delta R.T.: 0.000 min  
Response: 119856372  
Conc: 50.00 ng/ml



#5 Aldrin

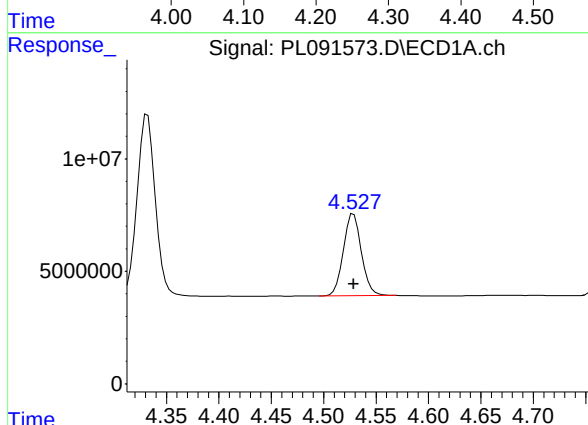
R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 88548369  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



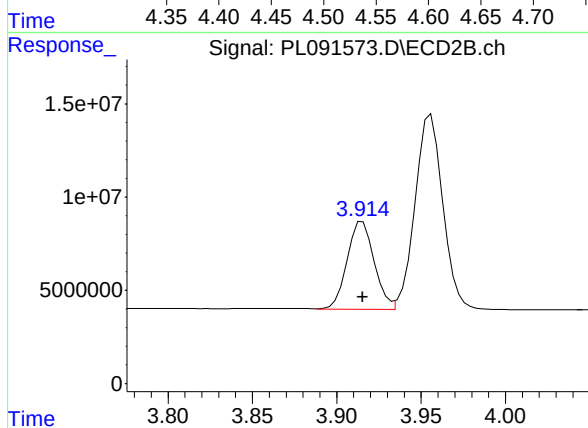
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 113302549  
Conc: 50.00 ng/ml



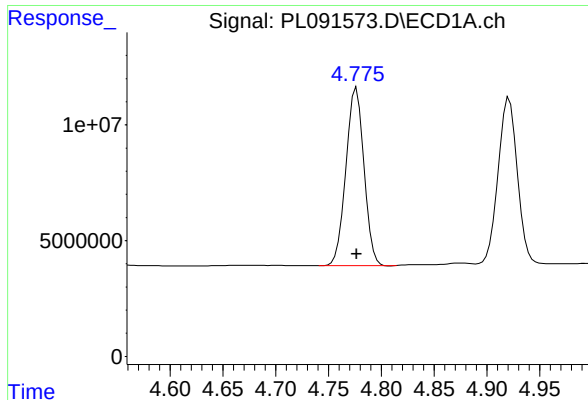
#6 beta-BHC

R.T.: 4.528 min  
Delta R.T.: 0.000 min  
Response: 43876740  
Conc: 50.00 ng/ml



#6 beta-BHC

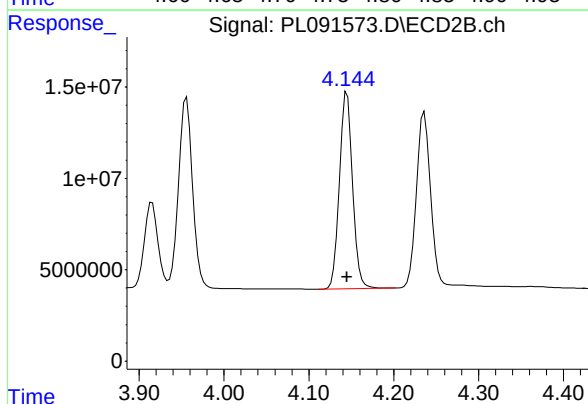
R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 52550611  
Conc: 50.00 ng/ml



#7 delta-BHC

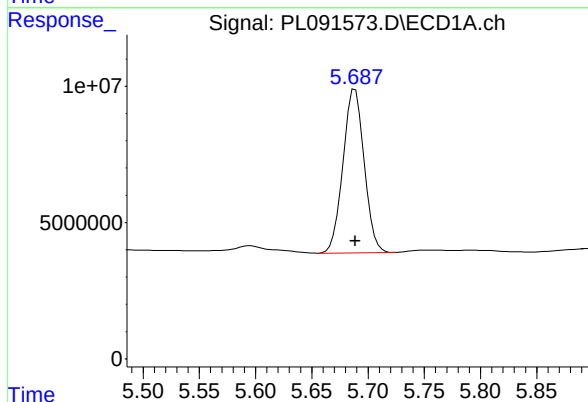
R.T.: 4.776 min  
Delta R.T.: 0.000 min  
Response: 91289942  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



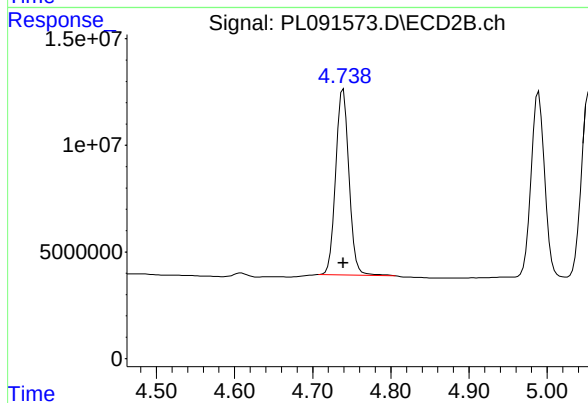
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 115974976  
Conc: 50.00 ng/ml



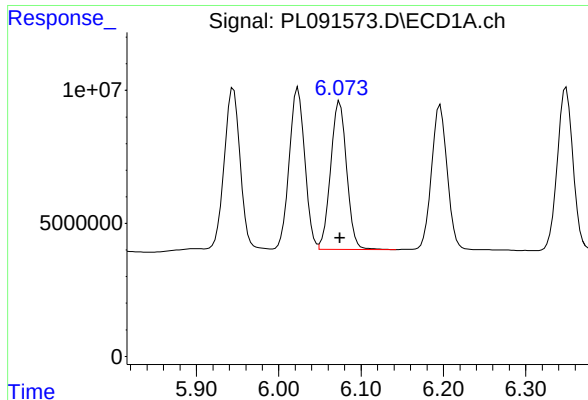
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 78841596  
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

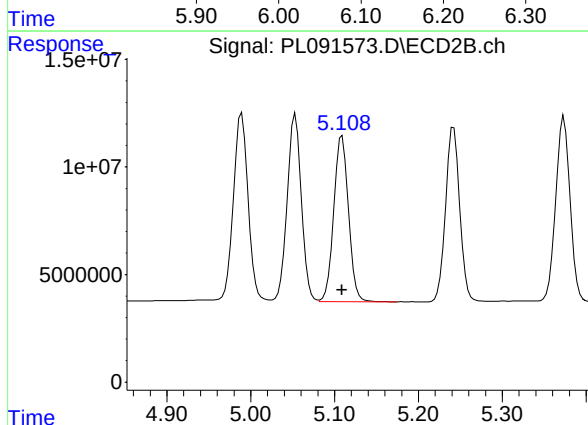
R.T.: 4.739 min  
Delta R.T.: 0.000 min  
Response: 103221581  
Conc: 50.00 ng/ml



## #9 Endosulfan I

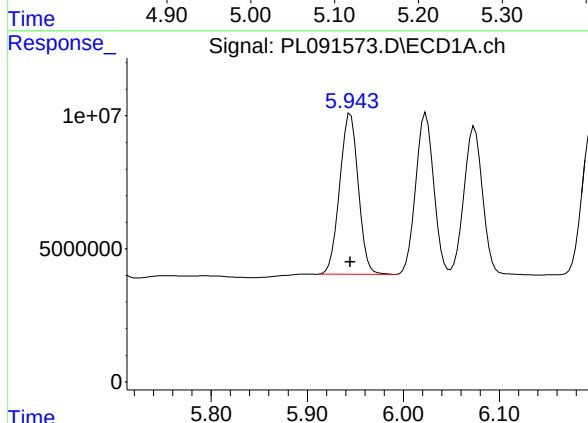
R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 75205245  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



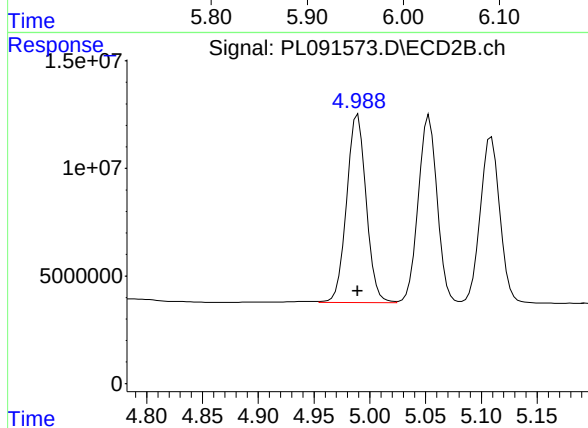
## #9 Endosulfan I

R.T.: 5.109 min  
Delta R.T.: 0.000 min  
Response: 94228390  
Conc: 50.00 ng/ml



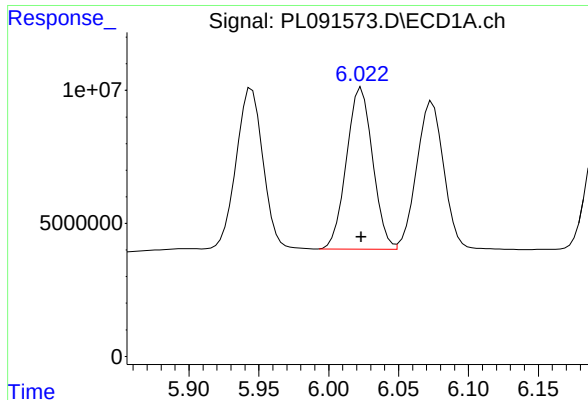
## #10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 80585238  
Conc: 50.00 ng/ml



## #10 gamma-Chlordane

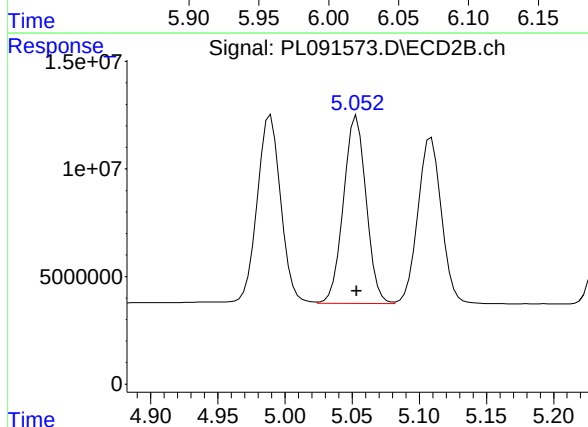
R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 106684111  
Conc: 50.00 ng/ml



#11 alpha-Chlordane

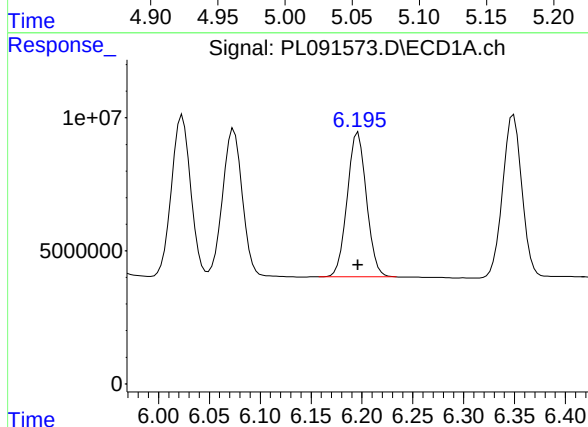
R.T.: 6.023 min  
Delta R.T.: 0.000 min  
Response: 79473049  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



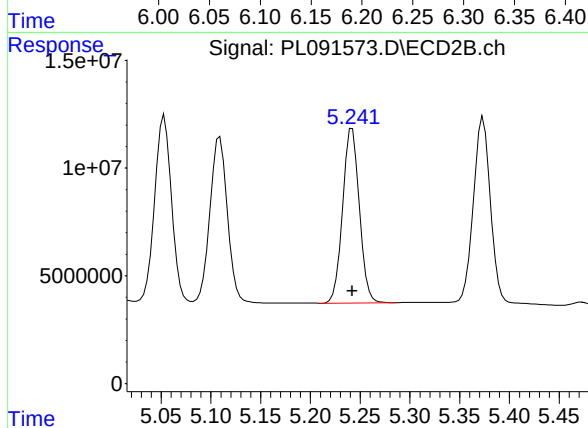
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 102706676  
Conc: 50.00 ng/ml



#12 4,4'-DDE

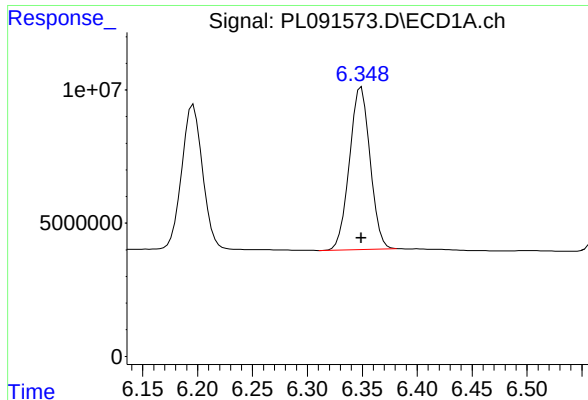
R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 71425110  
Conc: 50.00 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min  
Delta R.T.: 0.000 min  
Response: 94898531  
Conc: 50.00 ng/ml

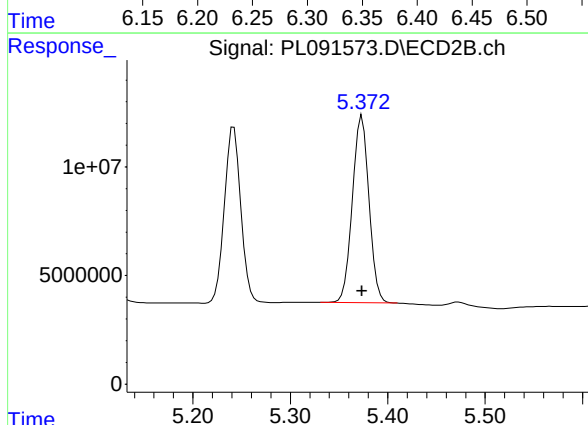




#13 Dieldrin

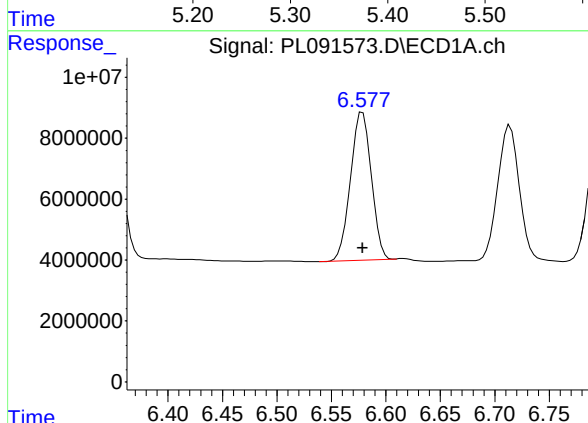
R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 79881341  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



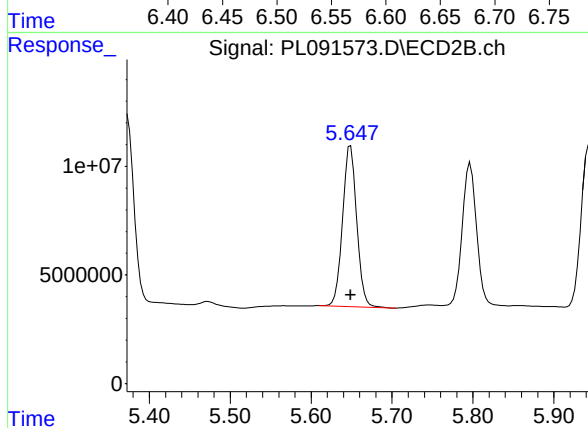
#13 Dieldrin

R.T.: 5.374 min  
Delta R.T.: 0.000 min  
Response: 101951228  
Conc: 50.00 ng/ml



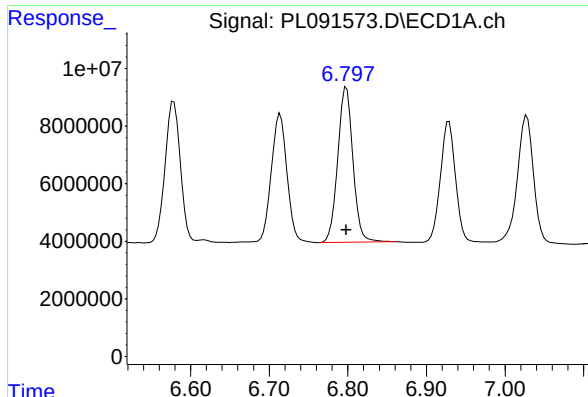
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 64643821  
Conc: 50.00 ng/ml



#14 Endrin

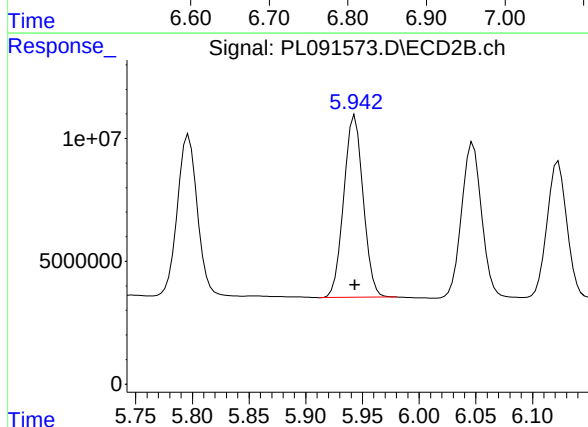
R.T.: 5.649 min  
Delta R.T.: 0.000 min  
Response: 90337100  
Conc: 50.00 ng/ml



## #15 Endosulfan II

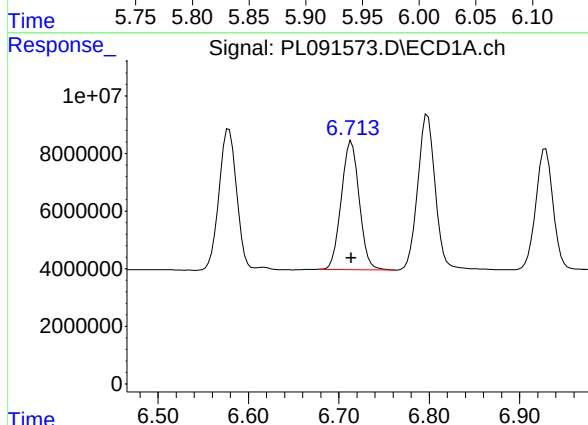
R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 72224064  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



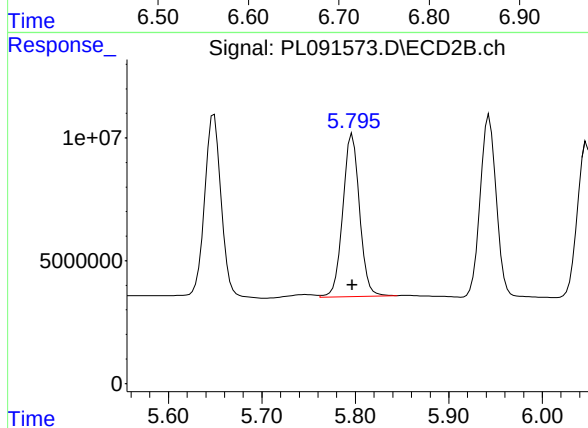
## #15 Endosulfan II

R.T.: 5.943 min  
Delta R.T.: 0.000 min  
Response: 88107883  
Conc: 50.00 ng/ml



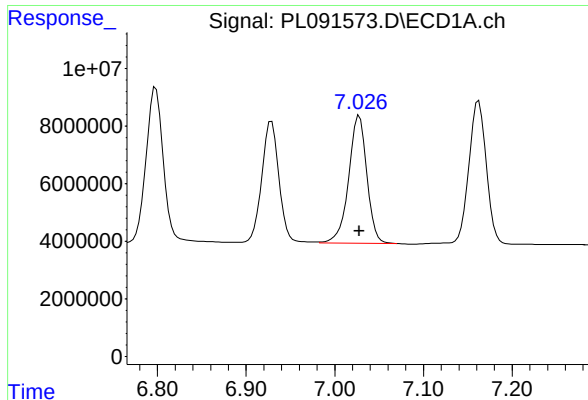
## #16 4,4'-DDD

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 61682542  
Conc: 50.00 ng/ml



## #16 4,4'-DDD

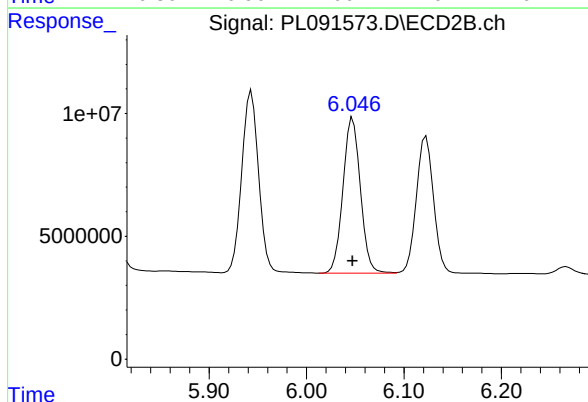
R.T.: 5.797 min  
Delta R.T.: 0.000 min  
Response: 82231444  
Conc: 50.00 ng/ml



#17 4,4'-DDT

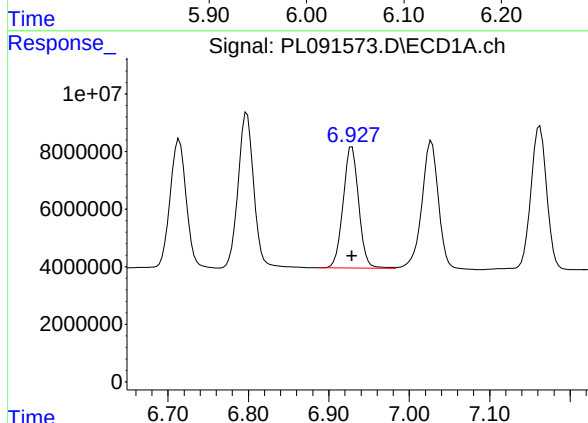
R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 63198293  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



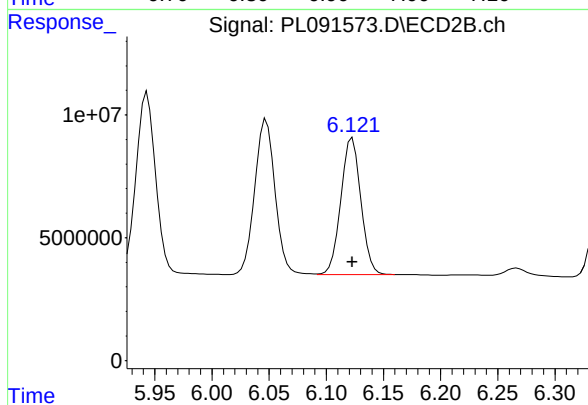
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 78512022  
Conc: 50.00 ng/ml



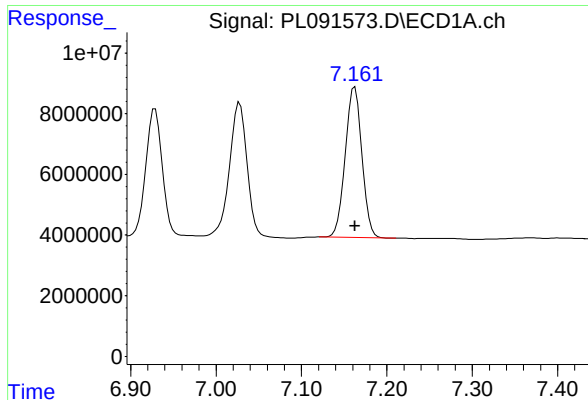
#18 Endrin aldehyde

R.T.: 6.929 min  
Delta R.T.: 0.000 min  
Response: 56571300  
Conc: 50.00 ng/ml



#18 Endrin aldehyde

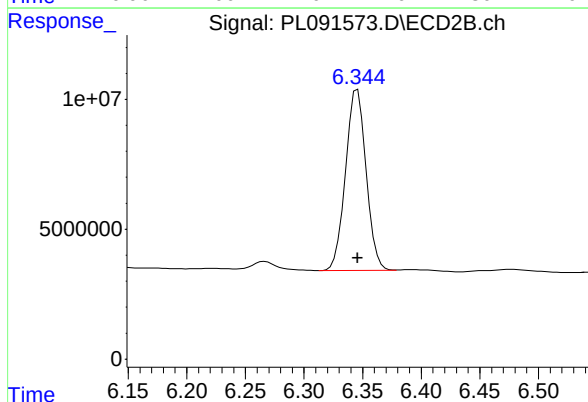
R.T.: 6.123 min  
Delta R.T.: 0.000 min  
Response: 67826225  
Conc: 50.00 ng/ml



## #19 Endosulfan Sulfate

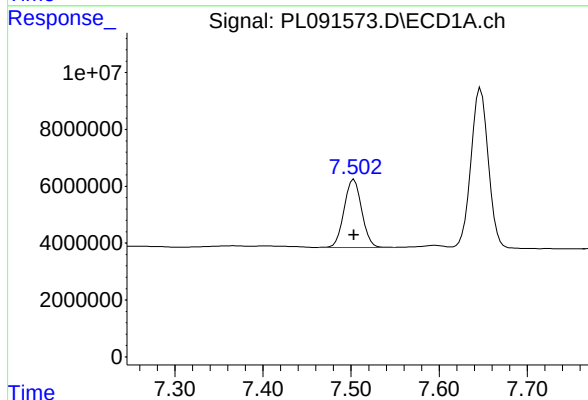
R.T.: 7.162 min  
Delta R.T.: 0.000 min  
Response: 67278834  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



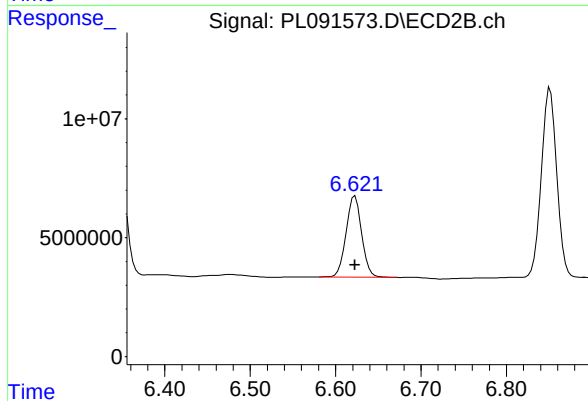
## #19 Endosulfan Sulfate

R.T.: 6.346 min  
Delta R.T.: 0.000 min  
Response: 84991076  
Conc: 50.00 ng/ml



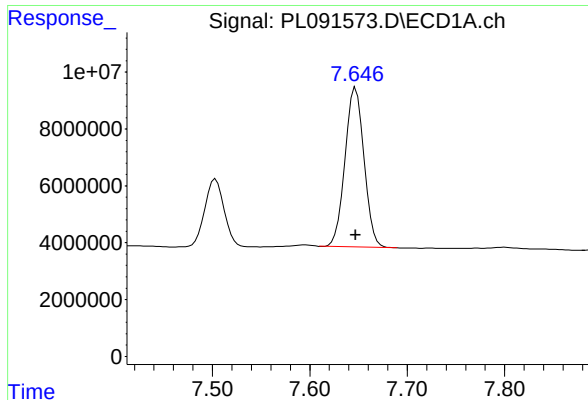
## #20 Methoxychlor

R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 33144870  
Conc: 50.00 ng/ml



## #20 Methoxychlor

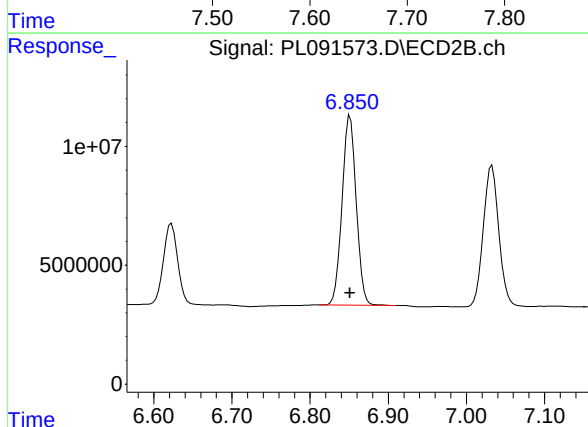
R.T.: 6.623 min  
Delta R.T.: 0.000 min  
Response: 43339075  
Conc: 50.00 ng/ml



#21 Endrin ketone

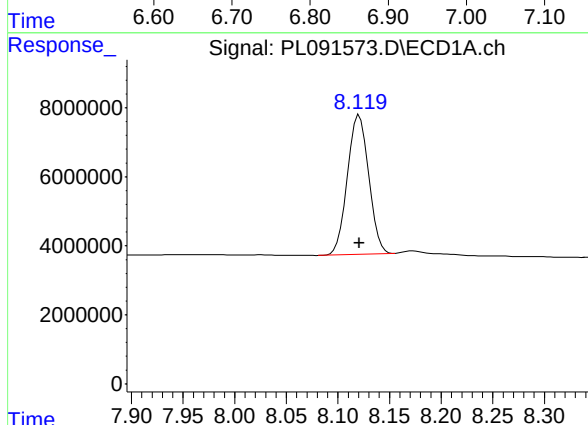
R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 75871602  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



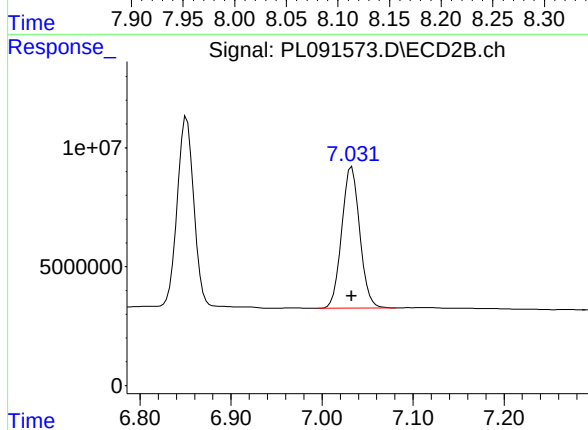
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 100589514  
Conc: 50.00 ng/ml



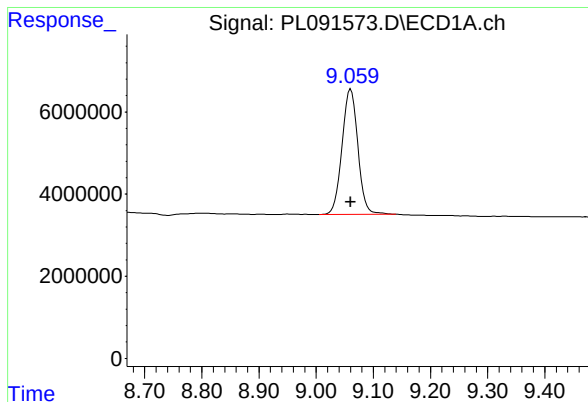
#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 58096935  
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 7.033 min  
Delta R.T.: 0.000 min  
Response: 81837013  
Conc: 50.00 ng/ml

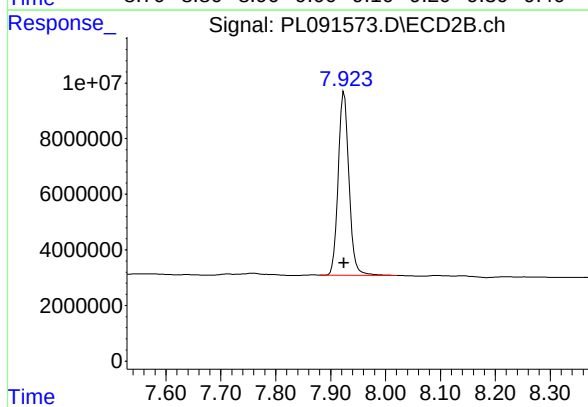


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 58864100  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 89706305  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091574.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 16:11  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC025

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 16:26:31 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 16:26:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.545 | 2.784 | 37955480 | 45985318 | 25.092  | 24.469  |
| 28) SA Decachlor...         | 9.060 | 7.925 | 31298985 | 46252542 | 26.550  | 25.775  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 4.001 | 3.287 | 51774120 | 62629335 | 24.197  | 23.127  |
| 3) MA gamma-BHC...          | 4.333 | 3.617 | 49613892 | 58600915 | 24.368  | 23.475  |
| 4) MA Heptachlor            | 4.920 | 3.957 | 45944744 | 58068921 | 24.734m | 23.996  |
| 5) MB Aldrin                | 5.263 | 4.237 | 45056011 | 54747157 | 25.247  | 23.846  |
| 6) B beta-BHC               | 4.530 | 3.916 | 22357922 | 26493121 | 25.411  | 25.081  |
| 7) B delta-BHC              | 4.777 | 4.145 | 45832423 | 54493997 | 24.650  | 23.265  |
| 8) B Heptachlo...           | 5.689 | 4.738 | 41569964 | 50296810 | 25.876  | 24.181m |
| 9) A Endosulfan I           | 6.075 | 5.110 | 38466605 | 46309768 | 25.394  | 24.377  |
| 10) B gamma-Chl...          | 5.945 | 4.990 | 41293121 | 54744702 | 25.394  | 25.164  |
| 11) B alpha-Chl...          | 6.024 | 5.053 | 40240057 | 50217956 | 25.122  | 24.262  |
| 12) B 4,4'-DDE              | 6.197 | 5.242 | 36033055 | 45504345 | 24.992  | 23.681  |
| 13) MA Dieldrin             | 6.349 | 5.374 | 40291241 | 49413665 | 25.050  | 23.907  |
| 14) MA Endrin               | 6.579 | 5.649 | 32800448 | 44726926 | 25.143  | 24.423  |
| 15) B Endosulfa...          | 6.798 | 5.944 | 37884948 | 43021147 | 26.059  | 24.253  |
| 16) A 4,4'-DDD              | 6.714 | 5.797 | 31265818 | 41368041 | 25.243  | 24.918  |
| 17) MA 4,4'-DDT             | 7.028 | 6.048 | 32112615 | 37889474 | 25.265  | 23.781  |
| 18) B Endrin al...          | 6.928 | 6.123 | 29584661 | 33689787 | 26.114  | 24.744  |
| 19) B Endosulfa...          | 7.162 | 6.346 | 34977060 | 41929421 | 26.004  | 24.555  |
| 20) A Methoxychlor          | 7.503 | 6.623 | 16748564 | 21956443 | 25.384  | 25.189  |
| 21) B Endrin ke...          | 7.647 | 6.852 | 38720354 | 49510310 | 25.457  | 24.556  |
| 22) Mirex                   | 8.121 | 7.033 | 30592366 | 43256877 | 26.389  | 26.391  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091574.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 16:11  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC025

## Manual Integrations

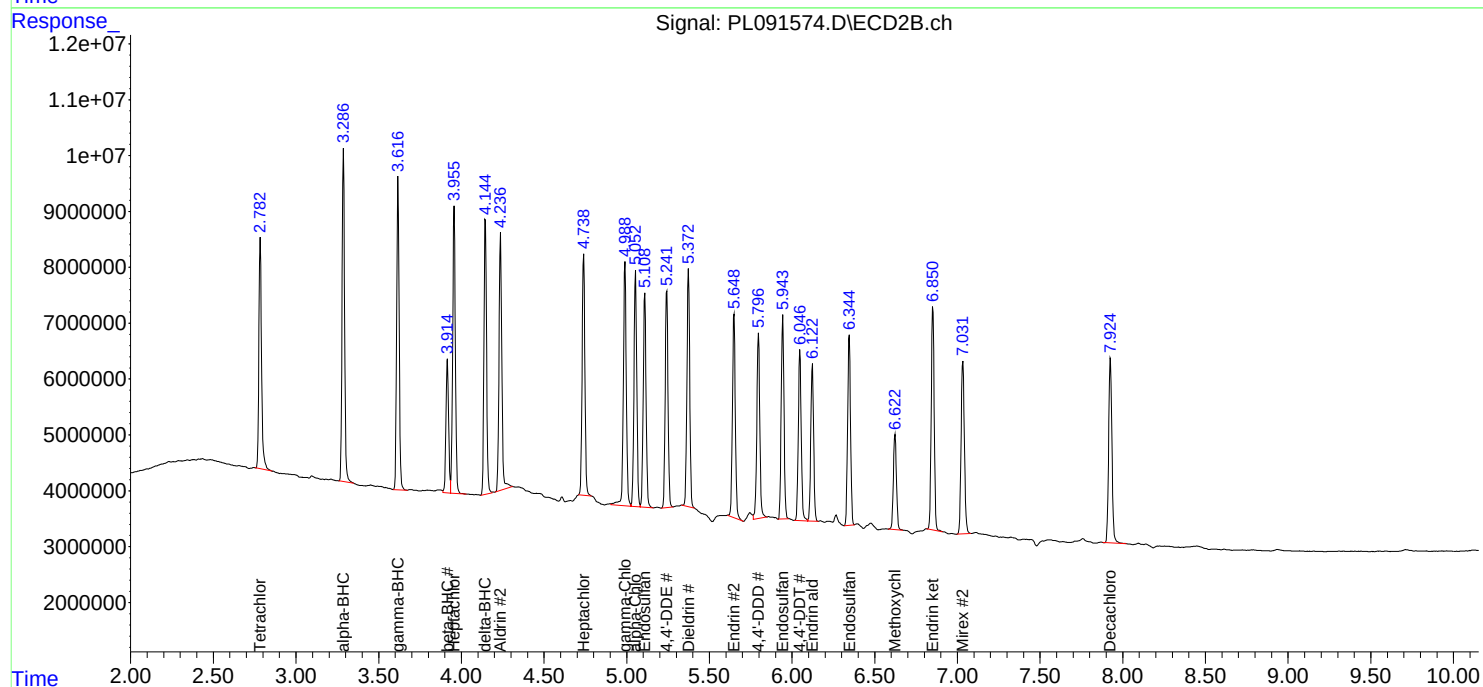
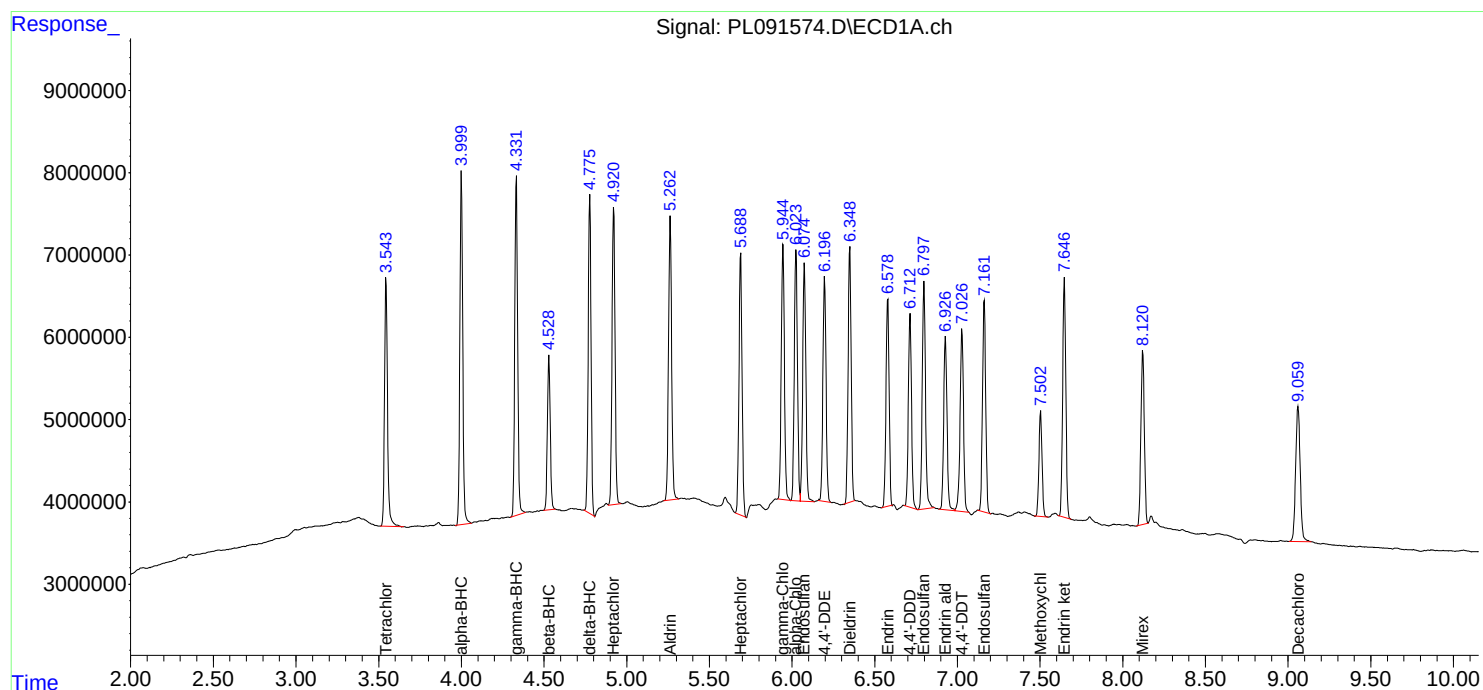
## APPROVED

Reviewed By :Abdul Mirza 09/11/2024

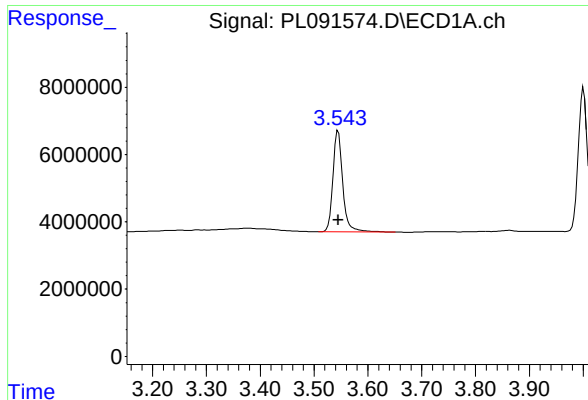
Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 16:26:31 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 16:26:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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







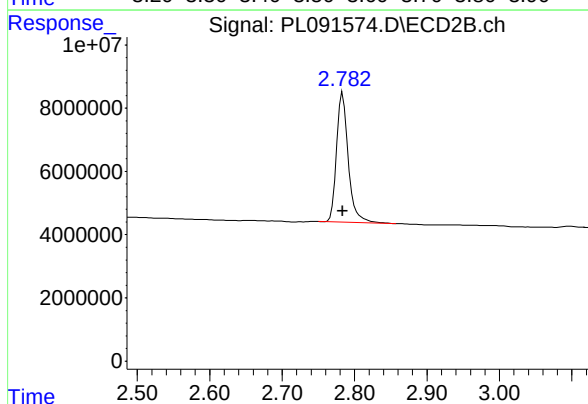
## #1 Tetrachloro-m-xylene

R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 37955480  
Conc: 25.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

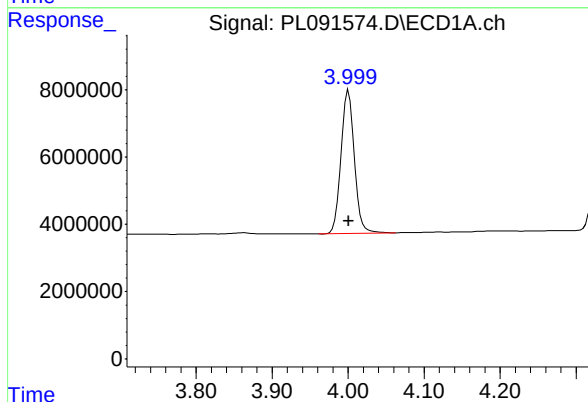
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



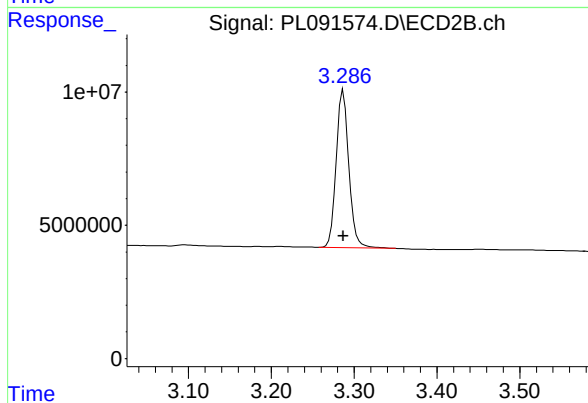
## #1 Tetrachloro-m-xylene

R.T.: 2.784 min  
Delta R.T.: 0.000 min  
Response: 45985318  
Conc: 24.47 ng/ml



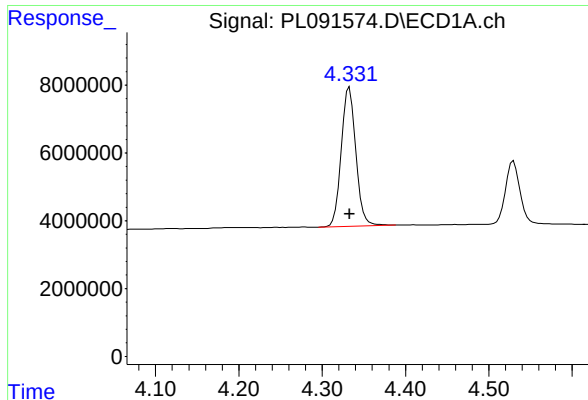
## #2 alpha-BHC

R.T.: 4.001 min  
Delta R.T.: 0.000 min  
Response: 51774120  
Conc: 24.20 ng/ml



## #2 alpha-BHC

R.T.: 3.287 min  
Delta R.T.: 0.000 min  
Response: 62629335  
Conc: 23.13 ng/ml



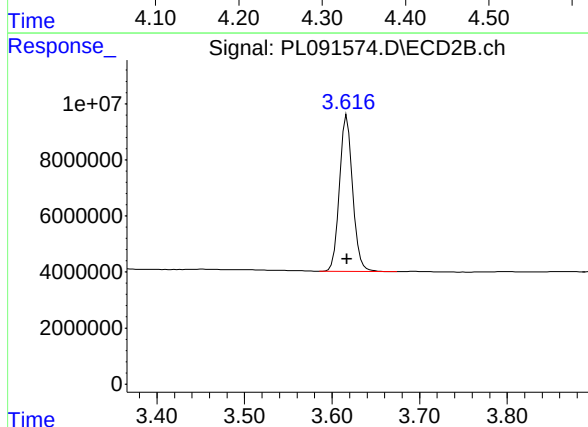
## #3 gamma-BHC (Lindane)

R.T.: 4.333 min  
Delta R.T.: 0.000 min  
Response: 49613892  
Conc: 24.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

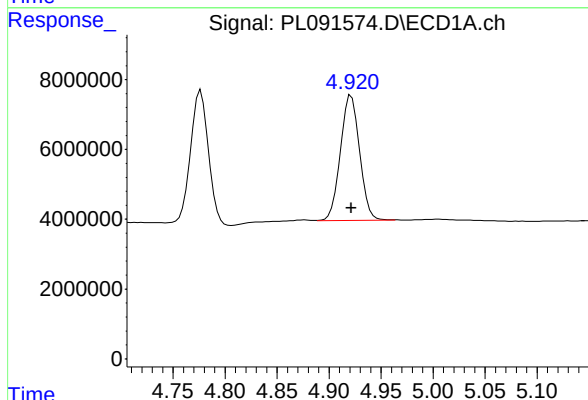
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



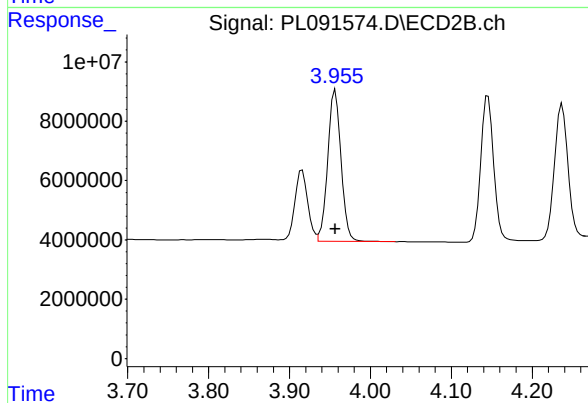
## #3 gamma-BHC (Lindane)

R.T.: 3.617 min  
Delta R.T.: 0.000 min  
Response: 58600915  
Conc: 23.48 ng/ml



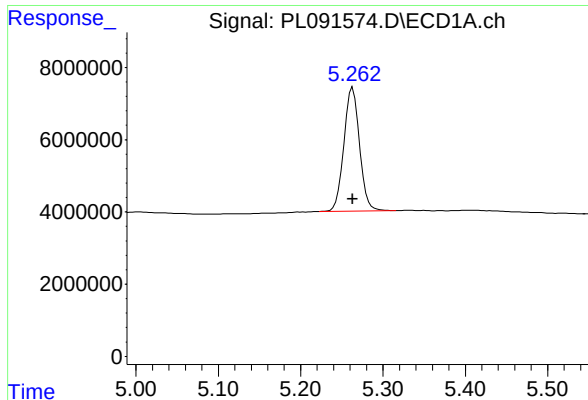
## #4 Heptachlor

R.T.: 4.920 min  
Delta R.T.: -0.001 min  
Response: 45944744  
Conc: 24.73 ng/ml m



## #4 Heptachlor

R.T.: 3.957 min  
Delta R.T.: 0.000 min  
Response: 58068921  
Conc: 24.00 ng/ml



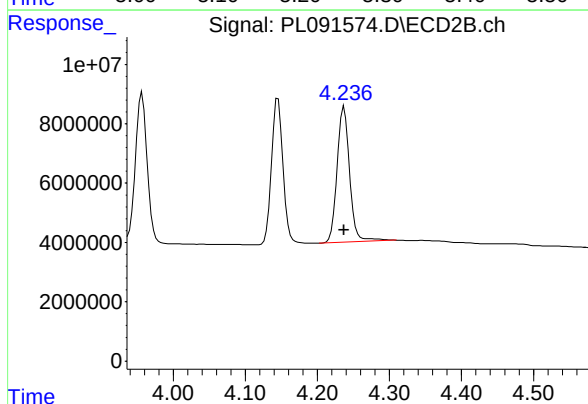
#5 Aldrin

R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 45056011  
Conc: 25.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

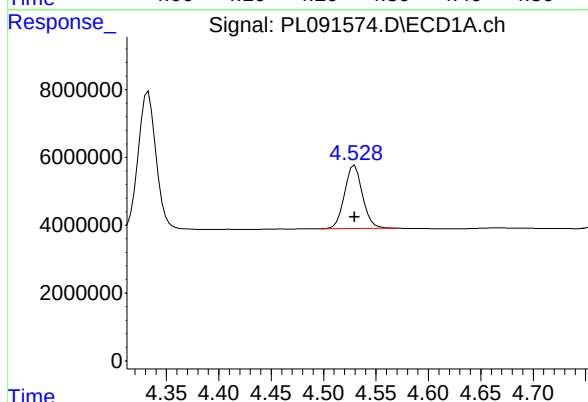
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



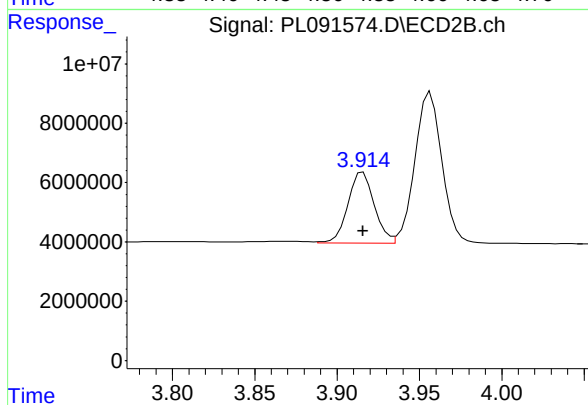
#5 Aldrin

R.T.: 4.237 min  
Delta R.T.: 0.000 min  
Response: 54747157  
Conc: 23.85 ng/ml



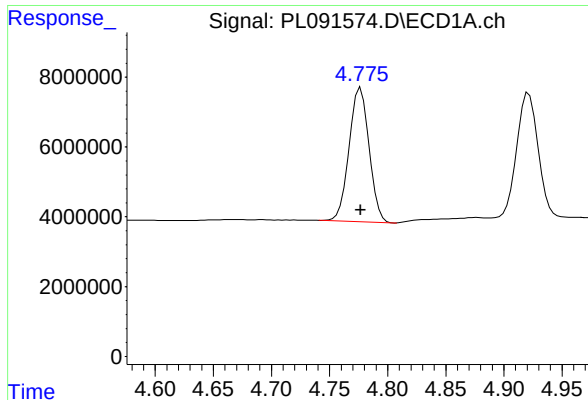
#6 beta-BHC

R.T.: 4.530 min  
Delta R.T.: 0.000 min  
Response: 22357922  
Conc: 25.41 ng/ml



#6 beta-BHC

R.T.: 3.916 min  
Delta R.T.: 0.000 min  
Response: 26493121  
Conc: 25.08 ng/ml



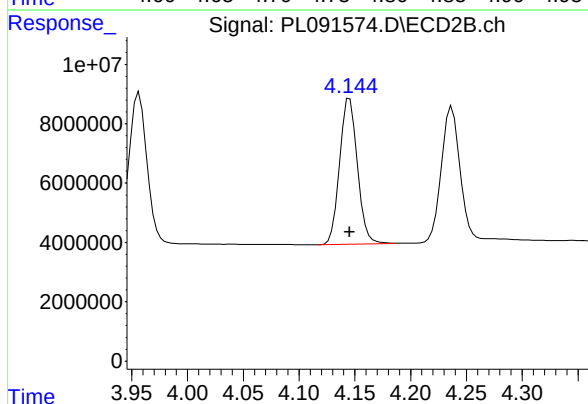
#7 delta-BHC

R.T.: 4.777 min  
Delta R.T.: 0.000 min  
Response: 45832423  
Conc: 24.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

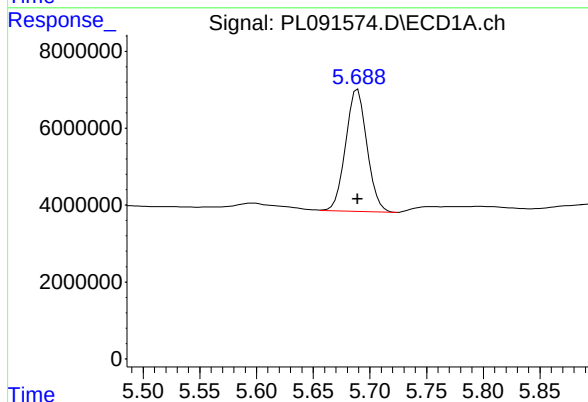
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



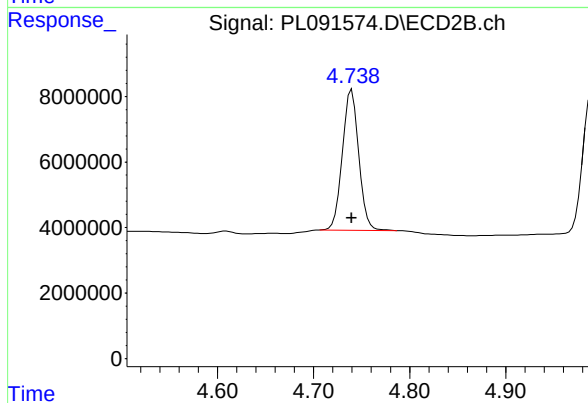
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 54493997  
Conc: 23.27 ng/ml



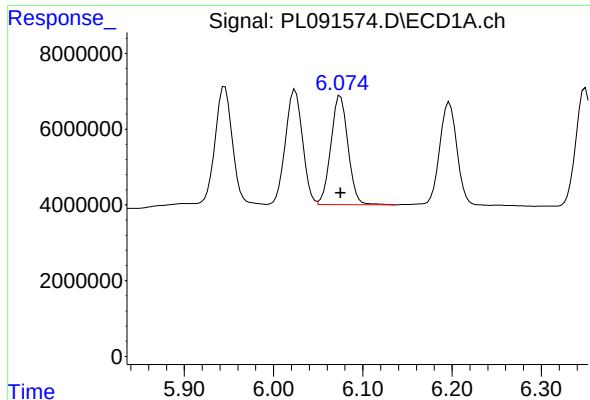
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 41569964  
Conc: 25.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.738 min  
Delta R.T.: -0.001 min  
Response: 50296810  
Conc: 24.18 ng/ml m



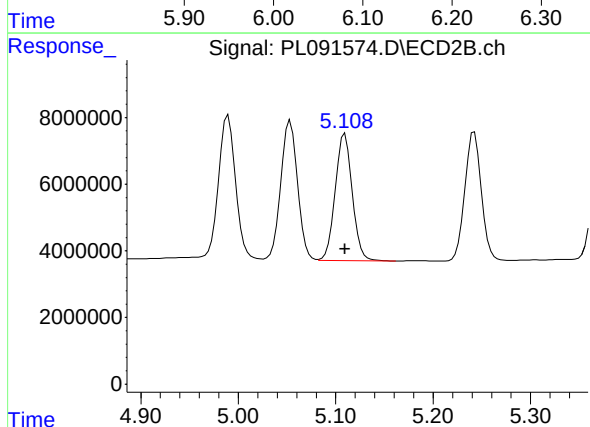
#9 Endosulfan I

R.T.: 6.075 min  
Delta R.T.: 0.000 min  
Response: 38466605  
Conc: 25.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

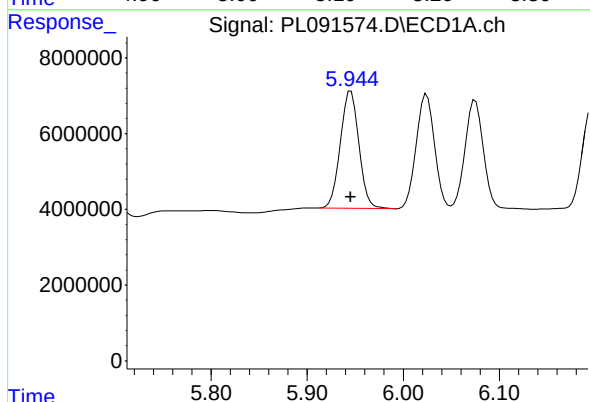
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



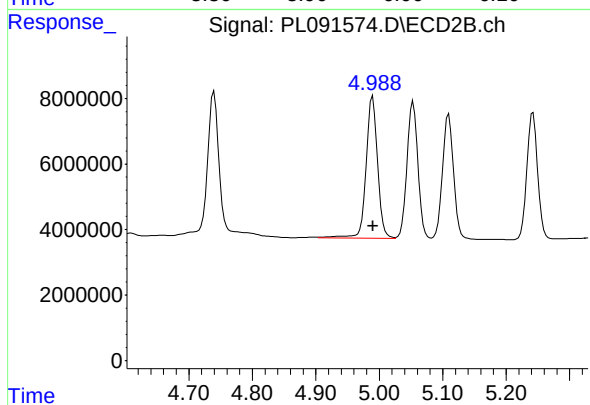
#9 Endosulfan I

R.T.: 5.110 min  
Delta R.T.: 0.000 min  
Response: 46309768  
Conc: 24.38 ng/ml



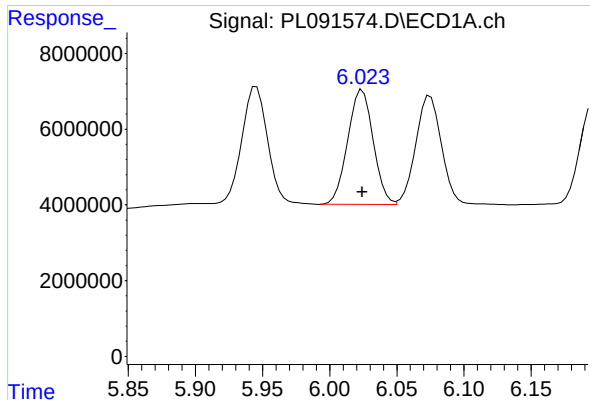
#10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 41293121  
Conc: 25.39 ng/ml



#10 gamma-Chlordane

R.T.: 4.990 min  
Delta R.T.: 0.000 min  
Response: 54744702  
Conc: 25.16 ng/ml



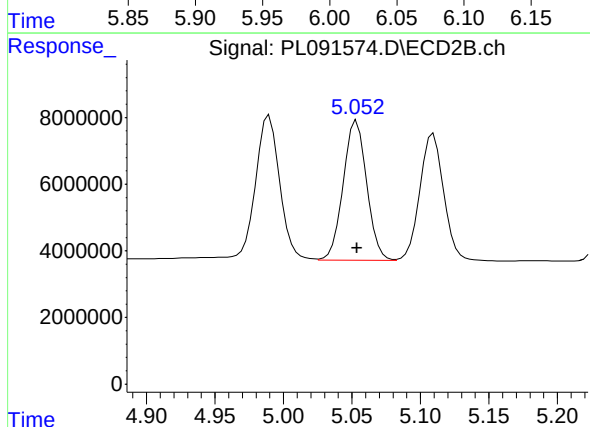
#11 alpha-Chlordane

R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 40240057  
Conc: 25.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

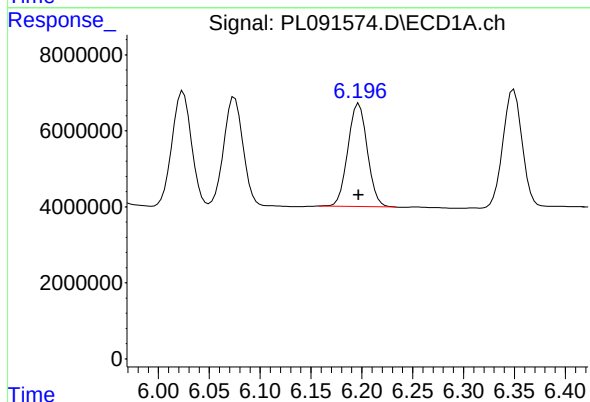
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



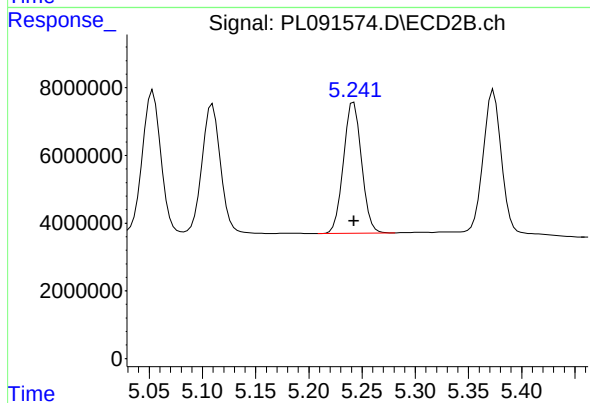
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 50217956  
Conc: 24.26 ng/ml



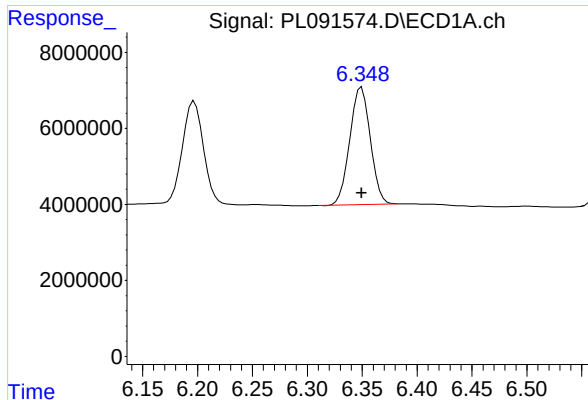
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 36033055  
Conc: 24.99 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min  
Delta R.T.: 0.000 min  
Response: 45504345  
Conc: 23.68 ng/ml



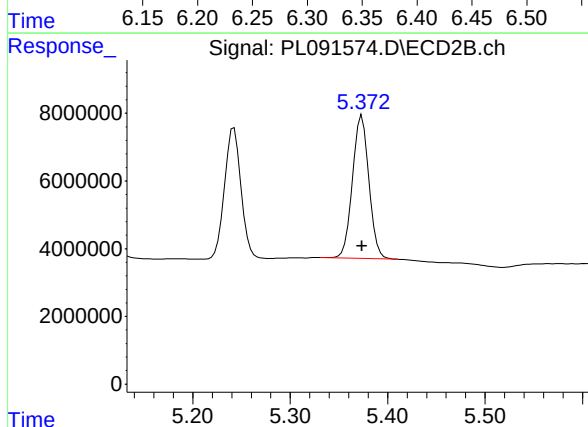
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 40291241  
Conc: 25.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

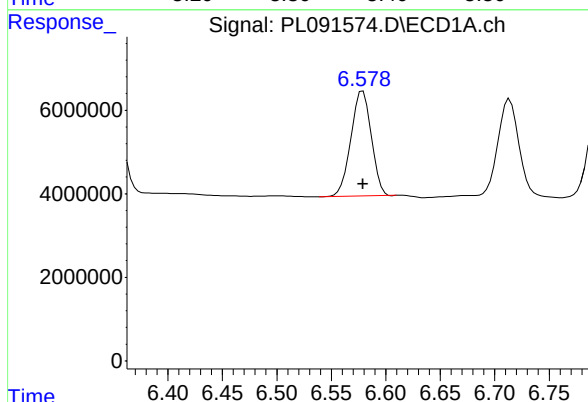
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



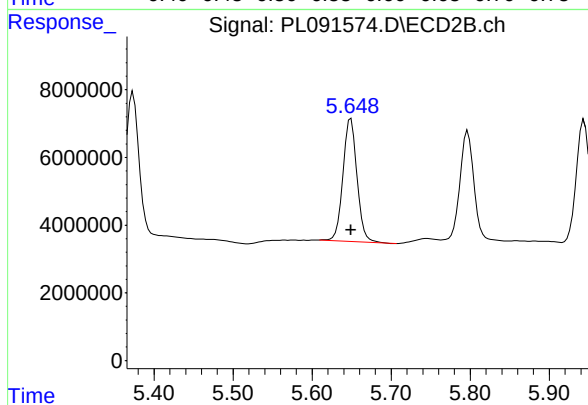
#13 Dieldrin

R.T.: 5.374 min  
Delta R.T.: 0.000 min  
Response: 49413665  
Conc: 23.91 ng/ml



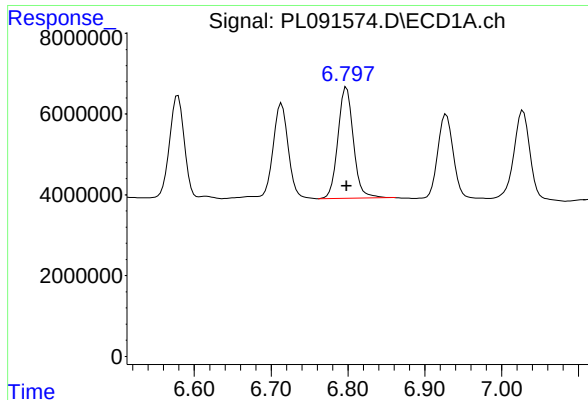
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 32800448  
Conc: 25.14 ng/ml



#14 Endrin

R.T.: 5.649 min  
Delta R.T.: 0.000 min  
Response: 44726926  
Conc: 24.42 ng/ml



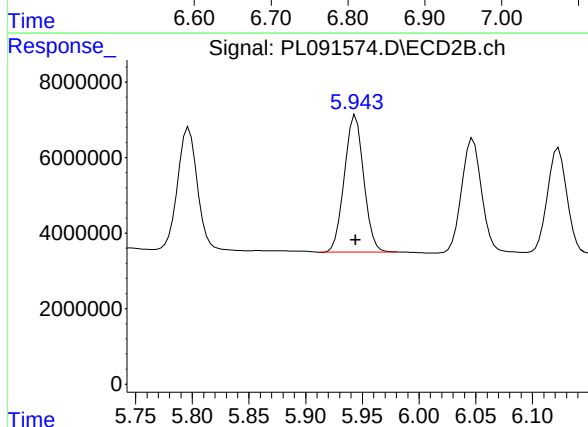
## #15 Endosulfan II

R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 37884948  
Conc: 26.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

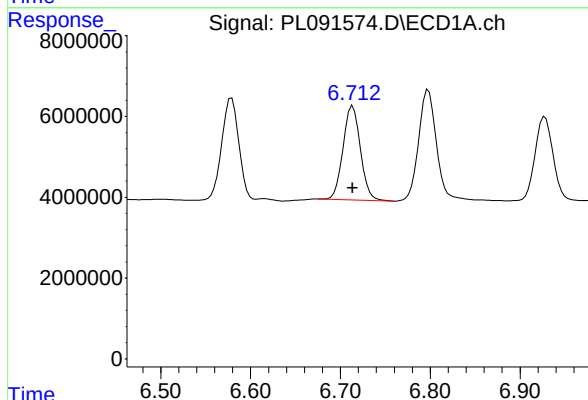
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



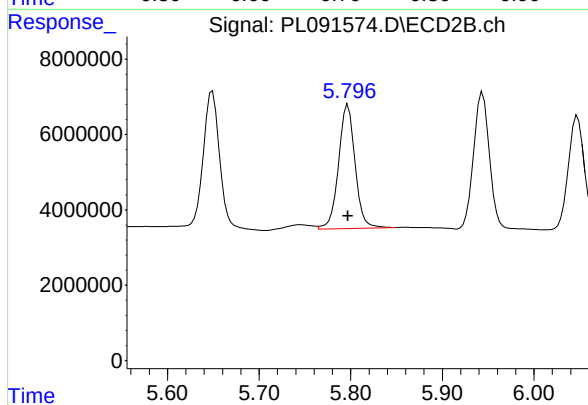
## #15 Endosulfan II

R.T.: 5.944 min  
Delta R.T.: 0.000 min  
Response: 43021147  
Conc: 24.25 ng/ml



## #16 4,4'-DDD

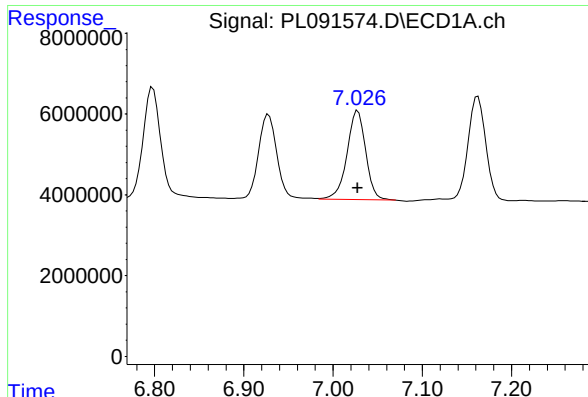
R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 31265818  
Conc: 25.24 ng/ml



## #16 4,4'-DDD

R.T.: 5.797 min  
Delta R.T.: 0.000 min  
Response: 41368041  
Conc: 24.92 ng/ml





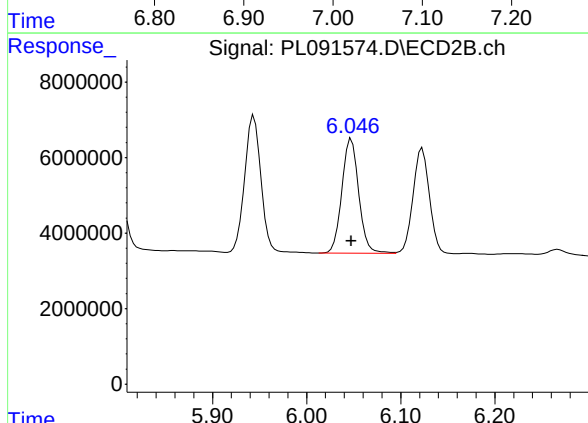
#17 4,4'-DDT

R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 32112615  
Conc: 25.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

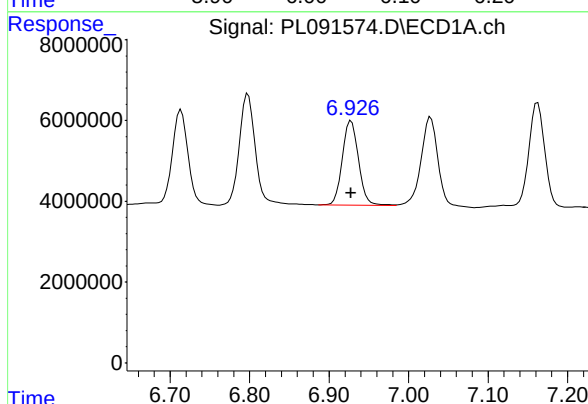
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



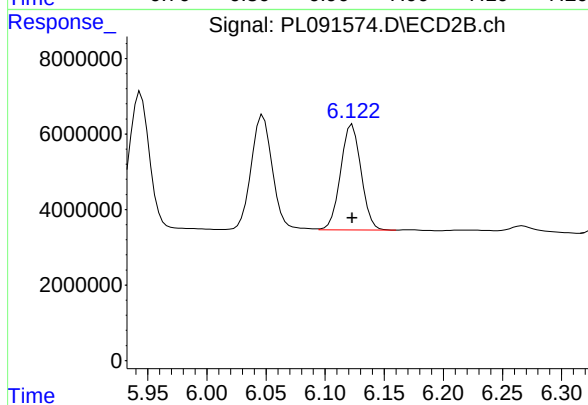
#17 4,4'-DDT

R.T.: 6.048 min  
Delta R.T.: 0.000 min  
Response: 37889474  
Conc: 23.78 ng/ml



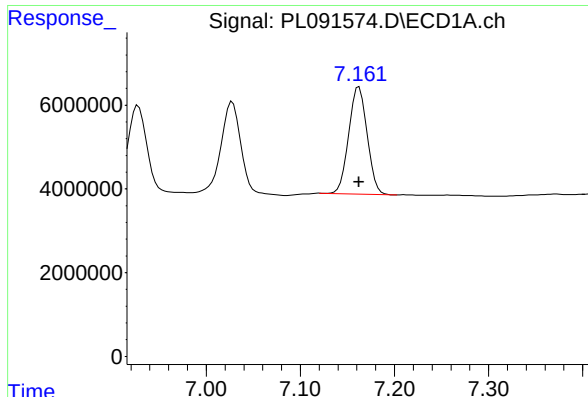
#18 Endrin aldehyde

R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 29584661  
Conc: 26.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.123 min  
Delta R.T.: 0.000 min  
Response: 33689787  
Conc: 24.74 ng/ml



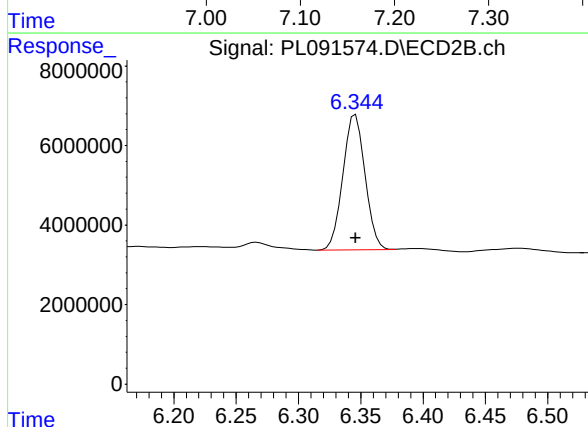
## #19 Endosulfan Sulfate

R.T.: 7.162 min  
Delta R.T.: 0.000 min  
Response: 34977060  
Conc: 26.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

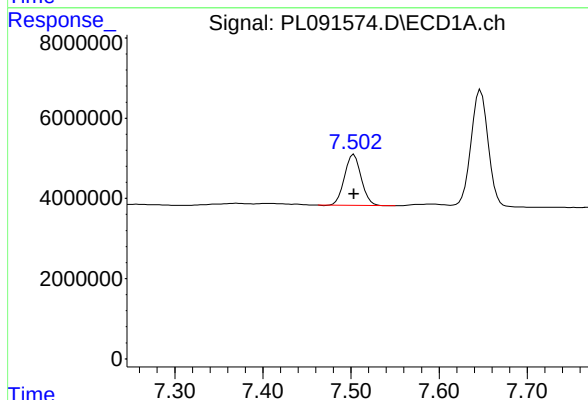
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



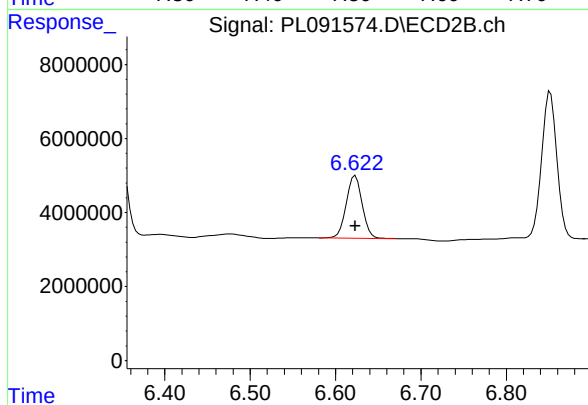
## #19 Endosulfan Sulfate

R.T.: 6.346 min  
Delta R.T.: 0.000 min  
Response: 41929421  
Conc: 24.55 ng/ml



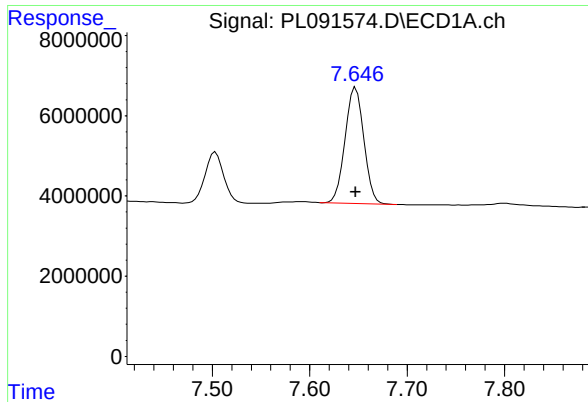
## #20 Methoxychlor

R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 16748564  
Conc: 25.38 ng/ml



## #20 Methoxychlor

R.T.: 6.623 min  
Delta R.T.: 0.000 min  
Response: 21956443  
Conc: 25.19 ng/ml



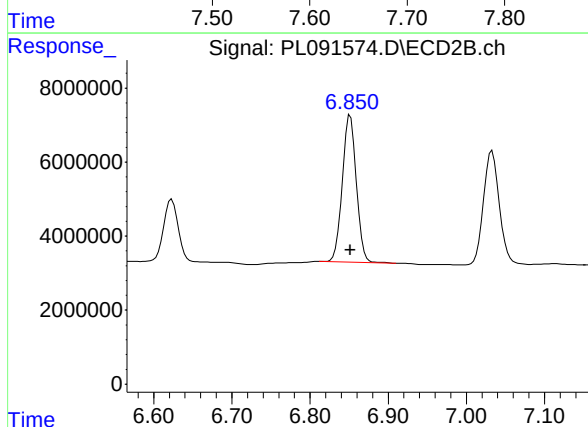
#21 Endrin ketone

R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 38720354  
Conc: 25.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

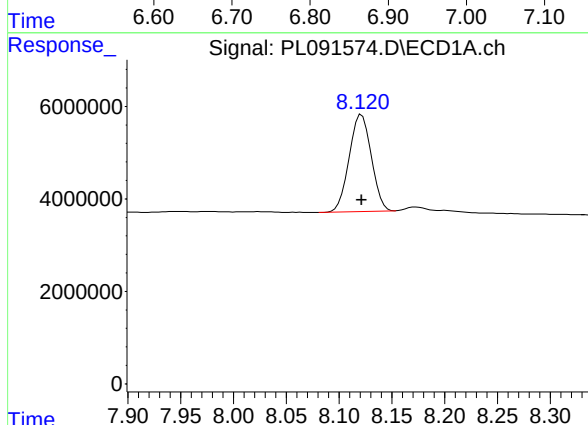
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



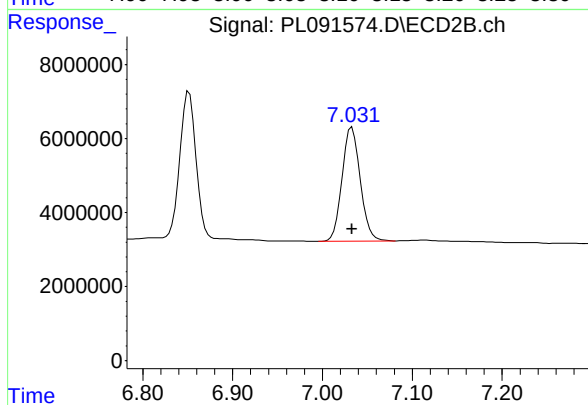
#21 Endrin ketone

R.T.: 6.852 min  
Delta R.T.: 0.000 min  
Response: 49510310  
Conc: 24.56 ng/ml



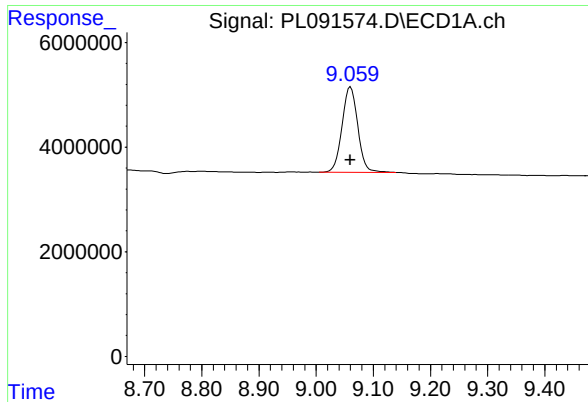
#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 30592366  
Conc: 26.39 ng/ml



#22 Mirex

R.T.: 7.033 min  
Delta R.T.: 0.000 min  
Response: 43256877  
Conc: 26.39 ng/ml



#28 Decachlorobiphenyl

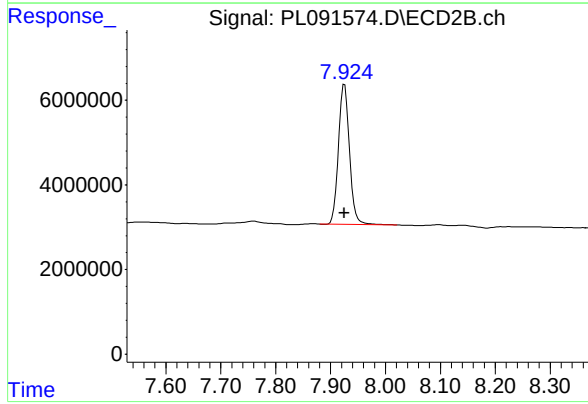
ICAL Form

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 31298985  
Conc: 26.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 46252542  
Conc: 25.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091575.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 16:25  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC005

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 16:37:25 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 16:37:15 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.543 | 2.782 | 8711402  | 9170751  | 5.594m | 4.862m |
| 28) SA Decachlor...         | 9.058 | 7.925 | 6806095  | 10274238 | 5.600m | 5.564  |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.999 | 3.286 | 11204149 | 12327161 | 5.187  | 4.635  |
| 3) MA gamma-BHC...          | 4.332 | 3.617 | 10671682 | 11561139 | 5.191  | 4.701  |
| 4) MA Heptachlor            | 4.919 | 3.956 | 9920128  | 11809434 | 5.292m | 4.904  |
| 5) MB Aldrin                | 5.262 | 4.236 | 10872221 | 11119579 | 5.837  | 4.874  |
| 6) B beta-BHC               | 4.529 | 3.915 | 5153482  | 6185409  | 5.663  | 5.742  |
| 7) B delta-BHC              | 4.776 | 4.145 | 10842232 | 10672309 | 5.644  | 4.639  |
| 8) B Heptachlo...           | 5.688 | 4.738 | 9588043  | 11322578 | 5.746  | 5.436m |
| 9) A Endosulfan I           | 6.074 | 5.109 | 8657085  | 10238410 | 5.556  | 5.307  |
| 10) B gamma-Chl...          | 5.944 | 4.988 | 9247277  | 11631805 | 5.535  | 5.283m |
| 11) B alpha-Chl...          | 6.024 | 5.053 | 8260083  | 10329030 | 5.125  | 4.992  |
| 12) B 4,4'-DDE              | 6.196 | 5.242 | 7631064  | 8987139  | 5.232  | 4.738  |
| 13) MA Dieldrin             | 6.349 | 5.373 | 8624281  | 10047522 | 5.285  | 4.888  |
| 14) MA Endrin               | 6.578 | 5.649 | 7151068  | 10552890 | 5.378  | 5.592  |
| 15) B Endosulfa...          | 6.798 | 5.942 | 9674211  | 8745708  | 6.241  | 4.961m |
| 16) A 4,4'-DDD              | 6.713 | 5.795 | 6916878  | 8689763  | 5.457  | 5.181m |
| 17) MA 4,4'-DDT             | 7.027 | 6.047 | 7372833  | 8304385  | 5.621  | 5.168  |
| 18) B Endrin al...          | 6.928 | 6.123 | 7044786  | 6945323  | 5.929  | 5.081  |
| 19) B Endosulfa...          | 7.161 | 6.346 | 8008492  | 8750838  | 5.730m | 5.099  |
| 20) A Methoxychlor          | 7.503 | 6.623 | 3715314  | 4711027  | 5.492  | 5.319  |
| 21) B Endrin ke...          | 7.645 | 6.850 | 8238337  | 9960292  | 5.338m | 4.965m |
| 22) Mirex                   | 8.121 | 7.034 | 6750279  | 11549831 | 5.637  | 6.513  |
| -----                       |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091575.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 16:25  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC005

## Manual Integrations

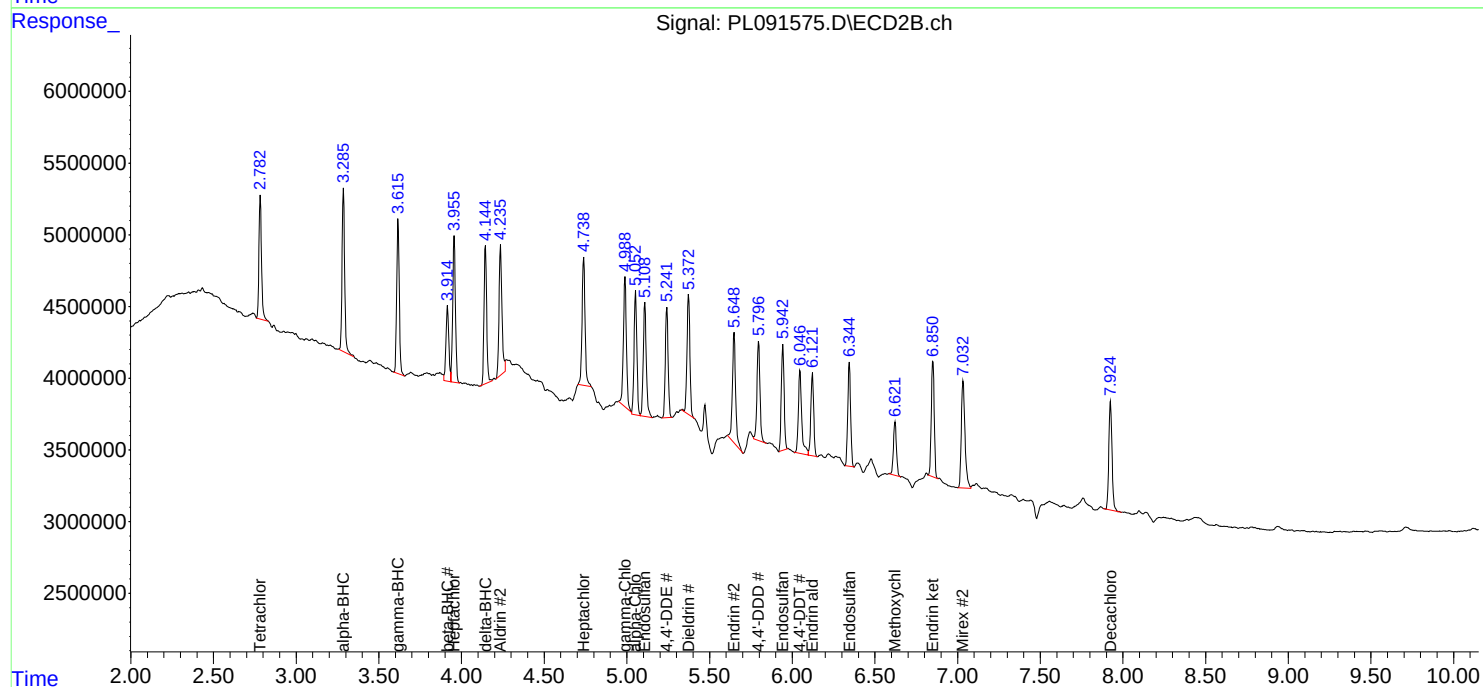
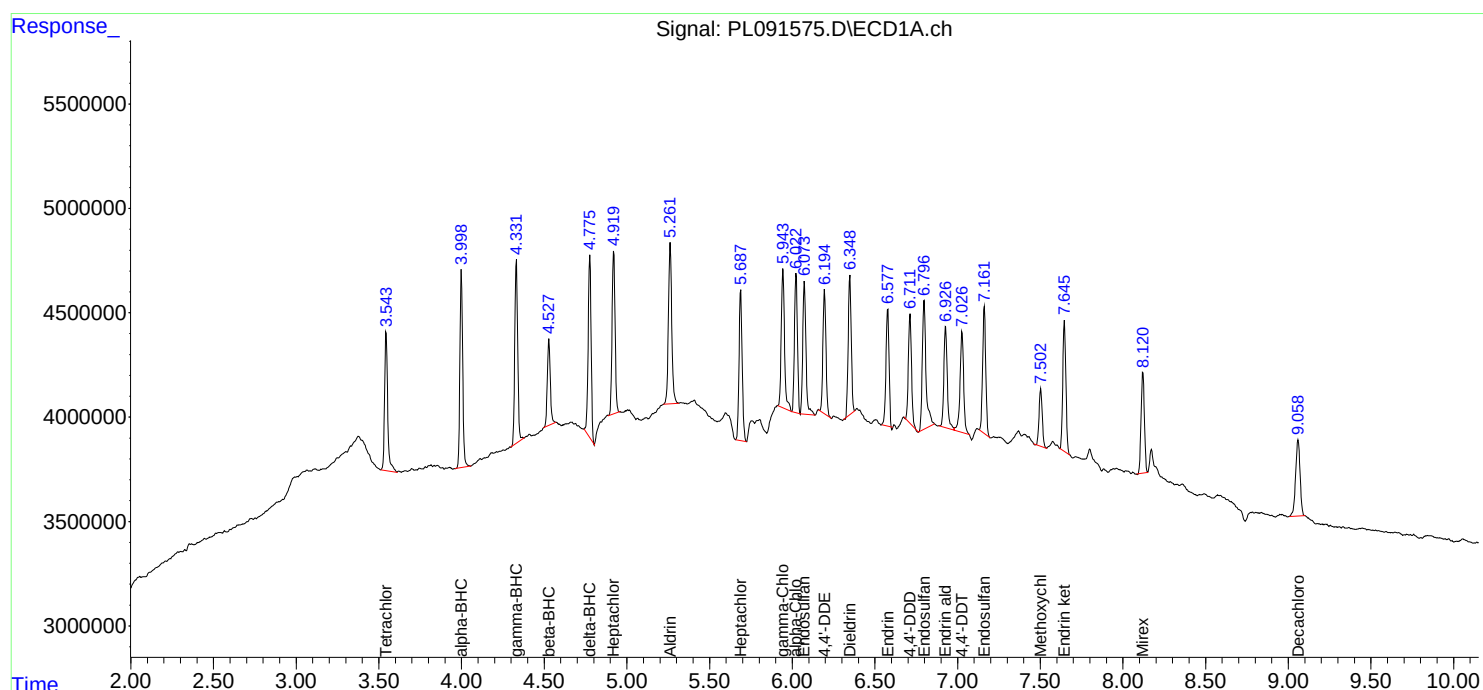
APPROVED

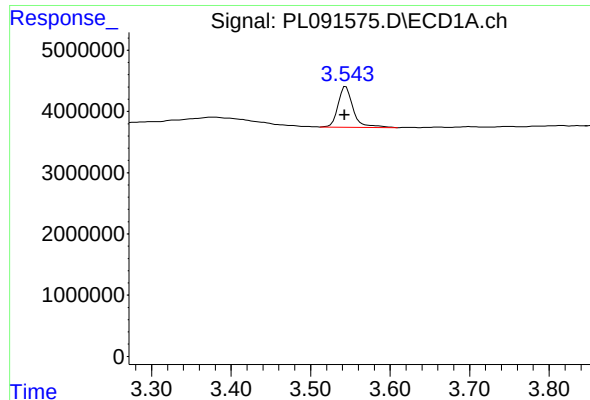
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 16:37:25 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 16:37:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





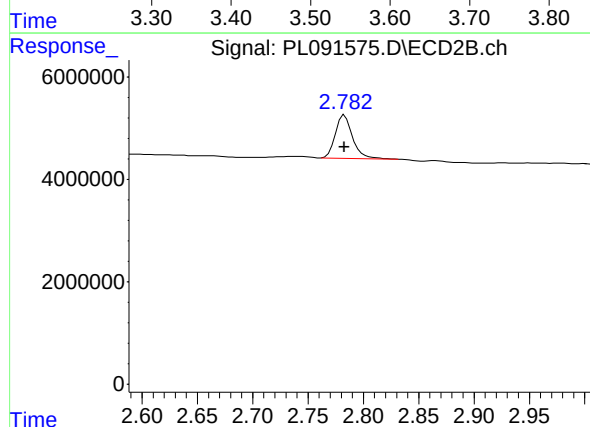
## #1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: 0.000 min  
Response: 8711402  
Conc: 5.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

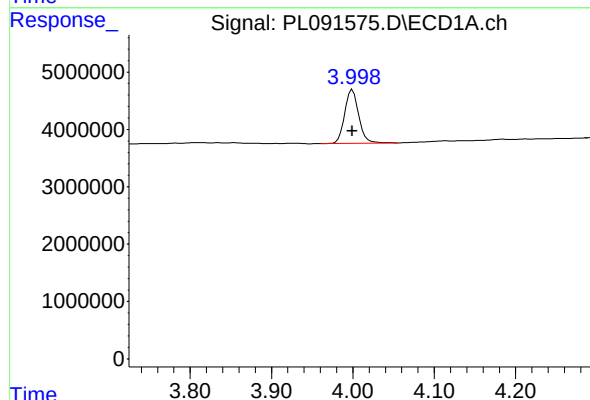
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



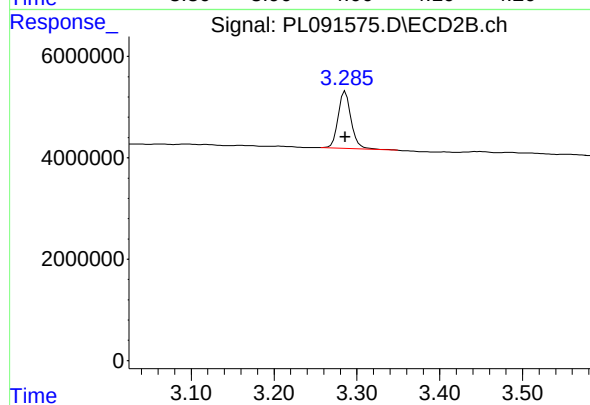
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: -0.001 min  
Response: 9170751  
Conc: 4.86 ng/ml m



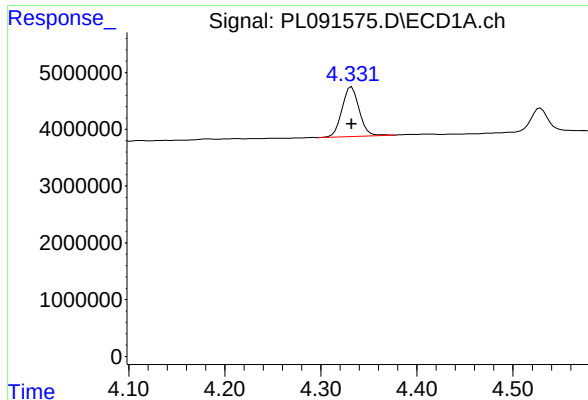
## #2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 11204149  
Conc: 5.19 ng/ml



## #2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 12327161  
Conc: 4.64 ng/ml



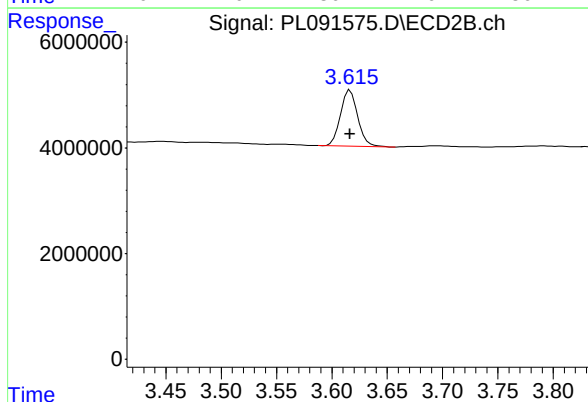
## #3 gamma-BHC (Lindane)

R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 10671682  
Conc: 5.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

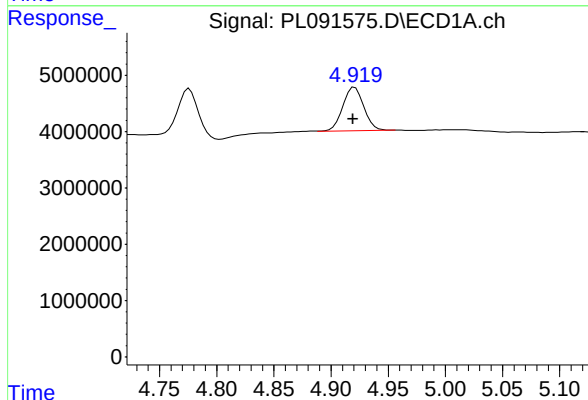
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 09/11/2024



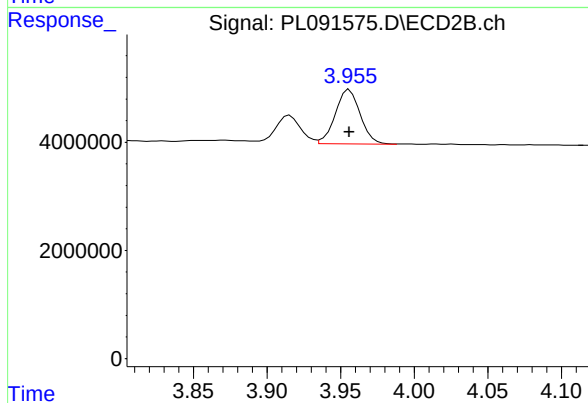
## #3 gamma-BHC (Lindane)

R.T.: 3.617 min  
Delta R.T.: 0.000 min  
Response: 11561139  
Conc: 4.70 ng/ml



## #4 Heptachlor

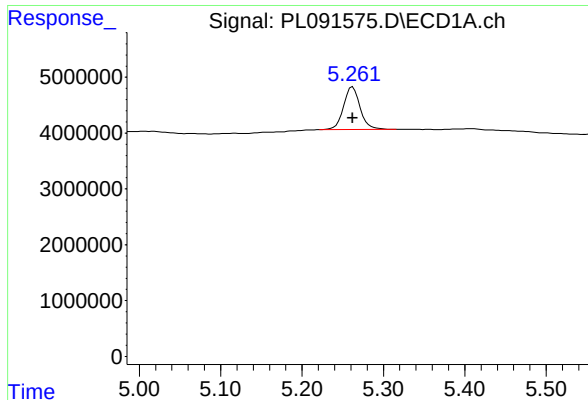
R.T.: 4.919 min  
Delta R.T.: 0.000 min  
Response: 9920128  
Conc: 5.29 ng/ml m



## #4 Heptachlor

R.T.: 3.956 min  
Delta R.T.: 0.000 min  
Response: 11809434  
Conc: 4.90 ng/ml





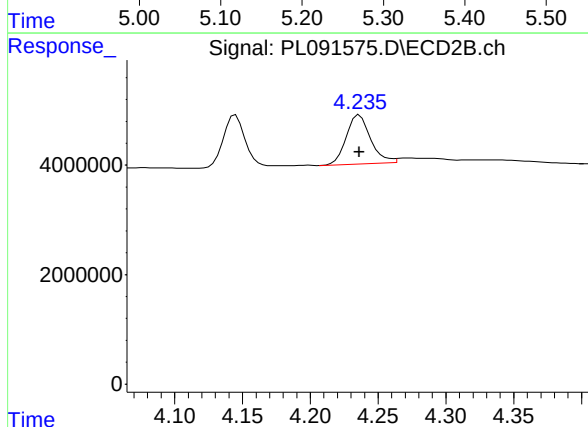
#5 Aldrin

R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 10872221  
Conc: 5.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

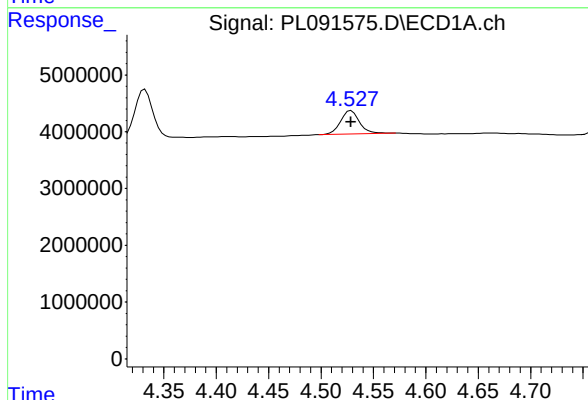
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



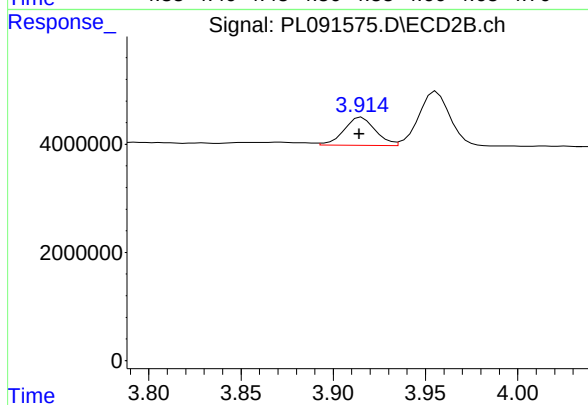
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 11119579  
Conc: 4.87 ng/ml



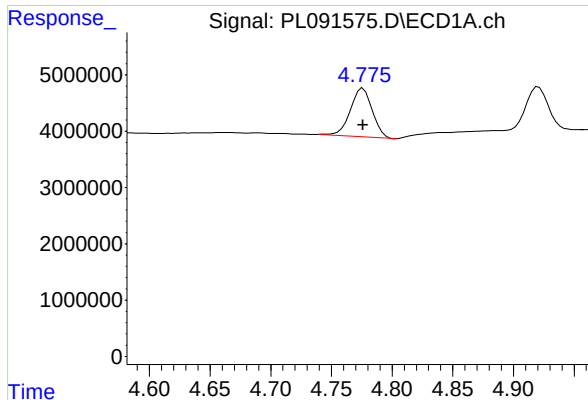
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 5153482  
Conc: 5.66 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.001 min  
Response: 6185409  
Conc: 5.74 ng/ml



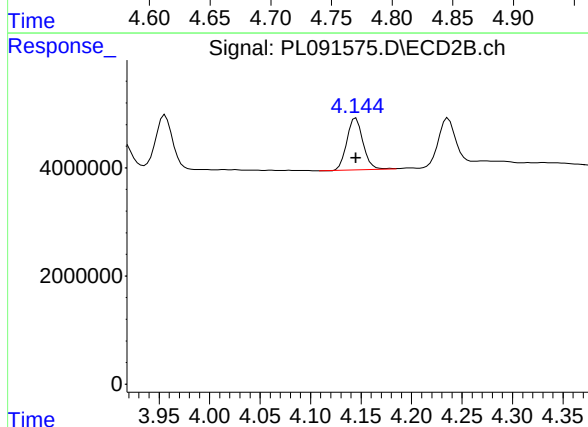
#7 delta-BHC

R.T.: 4.776 min  
Delta R.T.: 0.000 min  
Response: 10842232  
Conc: 5.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

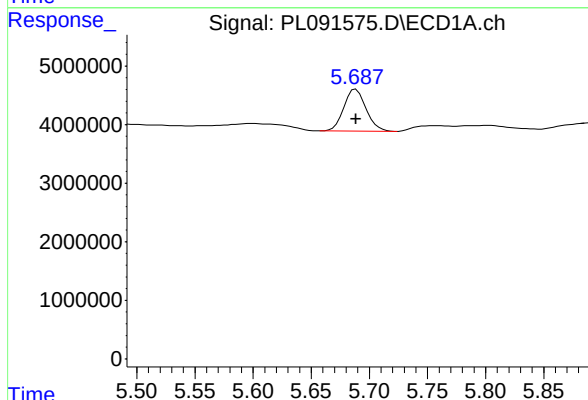
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



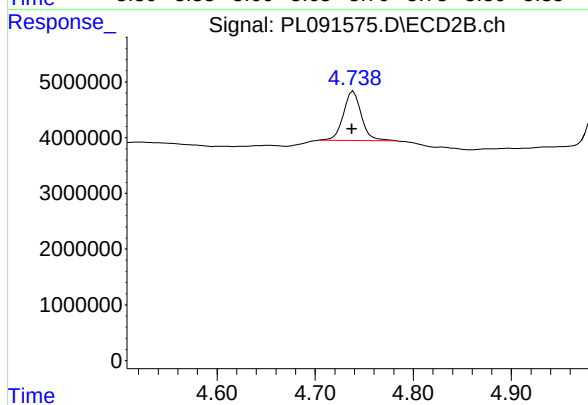
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 10672309  
Conc: 4.64 ng/ml



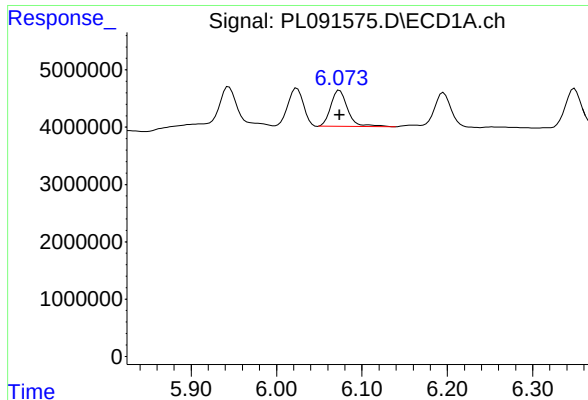
#8 Heptachlor epoxide

R.T.: 5.688 min  
Delta R.T.: 0.000 min  
Response: 9588043  
Conc: 5.75 ng/ml



#8 Heptachlor epoxide

R.T.: 4.738 min  
Delta R.T.: 0.000 min  
Response: 11322578  
Conc: 5.44 ng/ml m



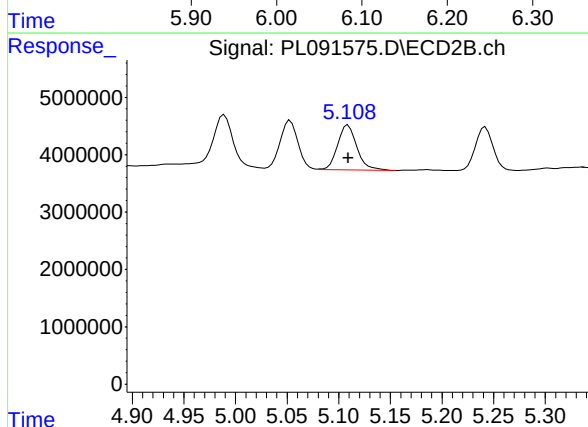
## #9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 8657085  
Conc: 5.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

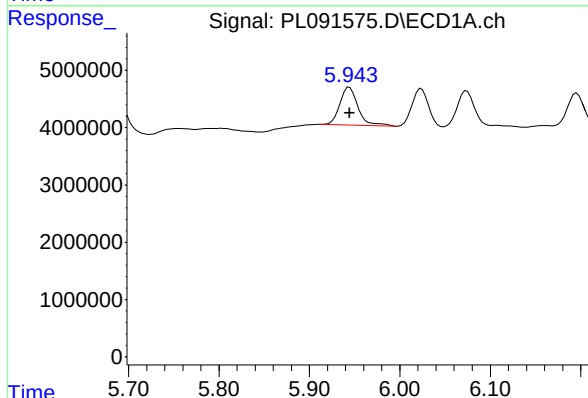
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



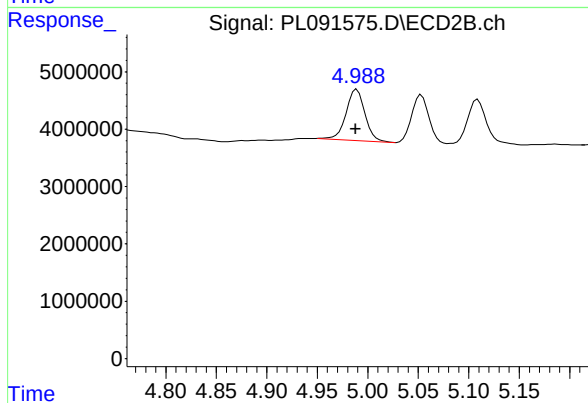
## #9 Endosulfan I

R.T.: 5.109 min  
Delta R.T.: 0.000 min  
Response: 10238410  
Conc: 5.31 ng/ml



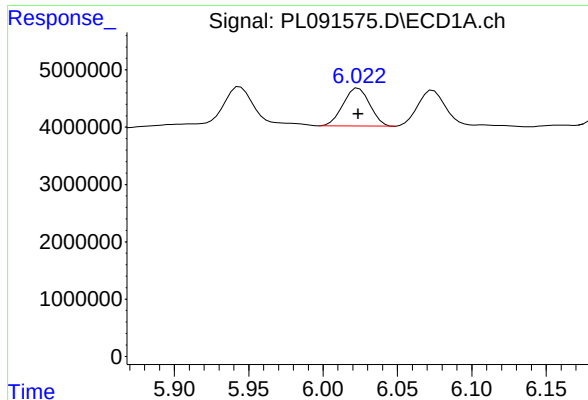
## #10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: 0.000 min  
Response: 9247277  
Conc: 5.53 ng/ml



## #10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 11631805  
Conc: 5.28 ng/ml m



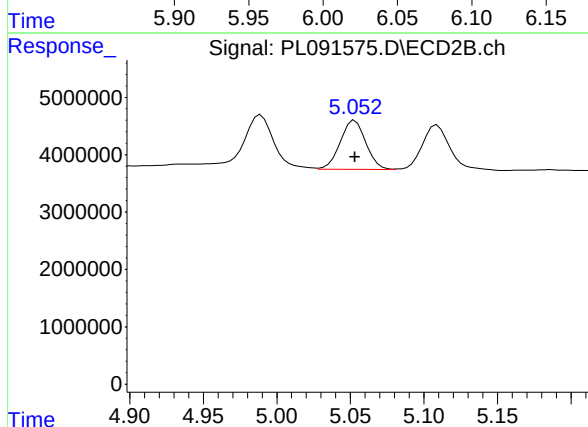
#11 alpha-Chlordane

R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 8260083  
Conc: 5.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

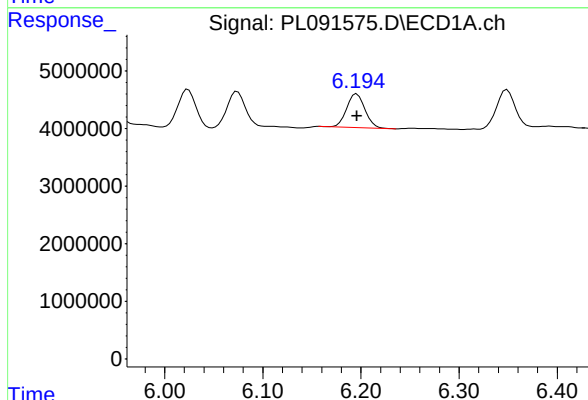
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



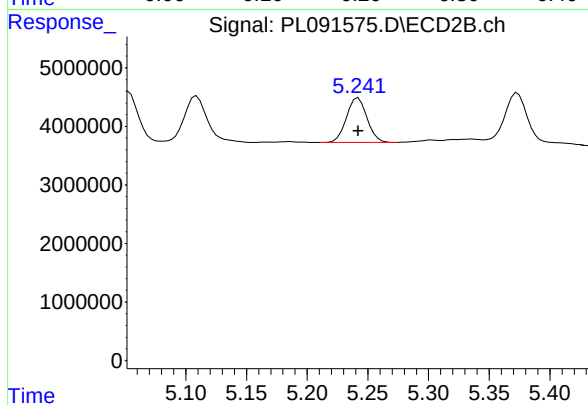
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 10329030  
Conc: 4.99 ng/ml



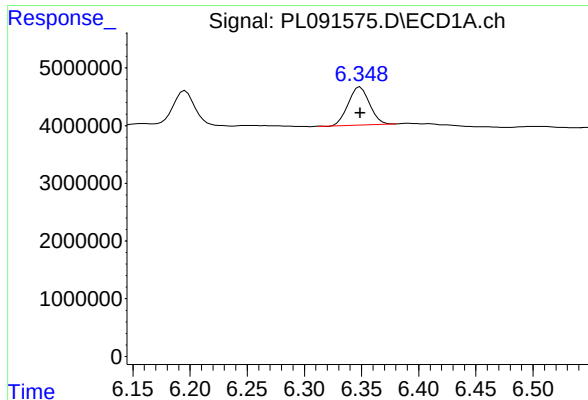
#12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 7631064  
Conc: 5.23 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min  
Delta R.T.: 0.000 min  
Response: 8987139  
Conc: 4.74 ng/ml



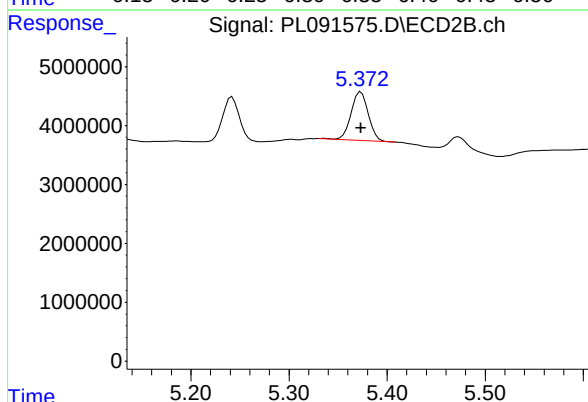
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 8624281  
Conc: 5.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

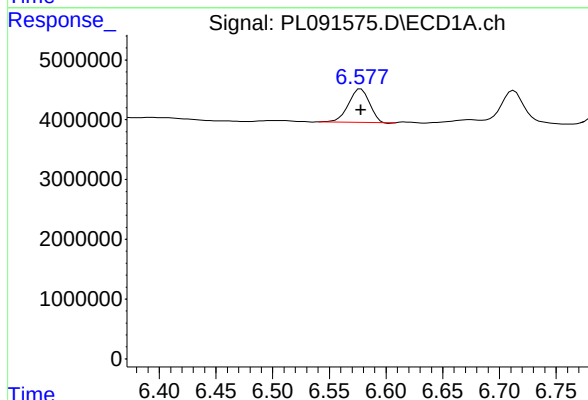
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



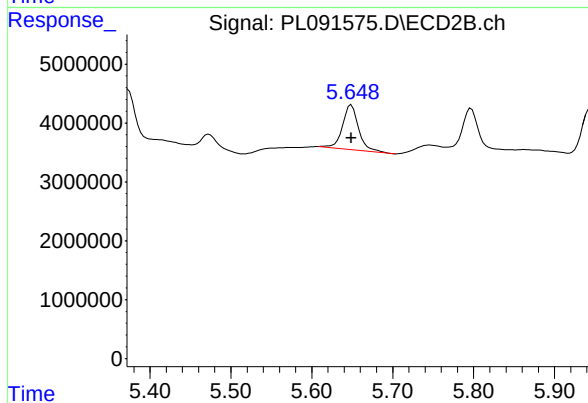
#13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 10047522  
Conc: 4.89 ng/ml



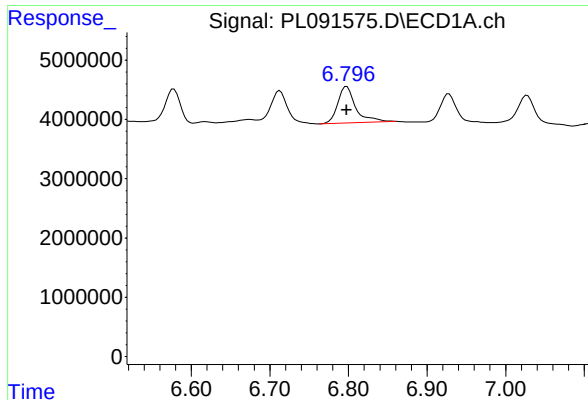
#14 Endrin

R.T.: 6.578 min  
Delta R.T.: 0.000 min  
Response: 7151068  
Conc: 5.38 ng/ml



#14 Endrin

R.T.: 5.649 min  
Delta R.T.: 0.000 min  
Response: 10552890  
Conc: 5.59 ng/ml



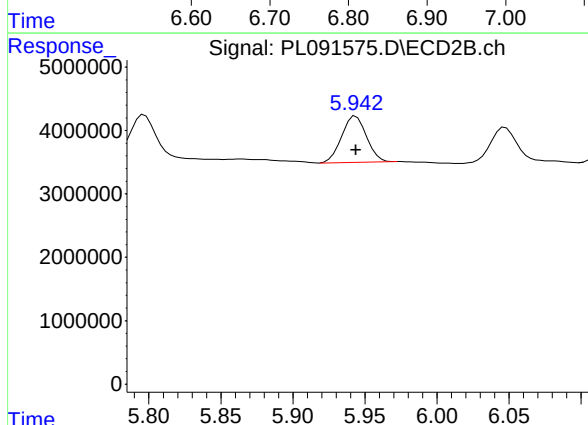
## #15 Endosulfan II

R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 9674211  
Conc: 6.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

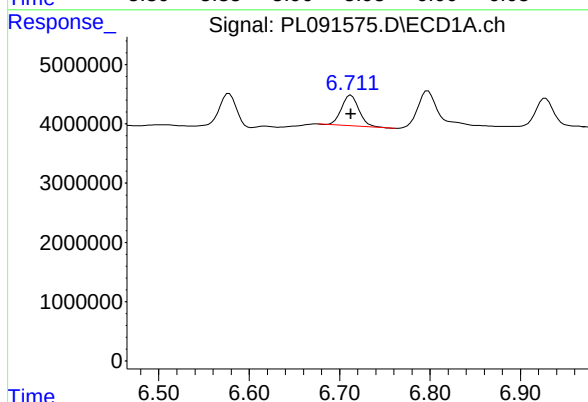
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



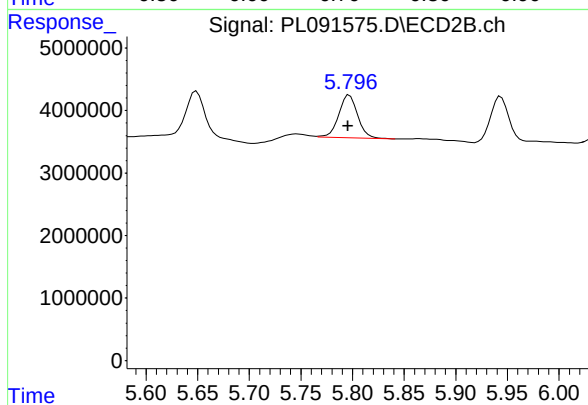
## #15 Endosulfan II

R.T.: 5.942 min  
Delta R.T.: -0.001 min  
Response: 8745708  
Conc: 4.96 ng/ml m



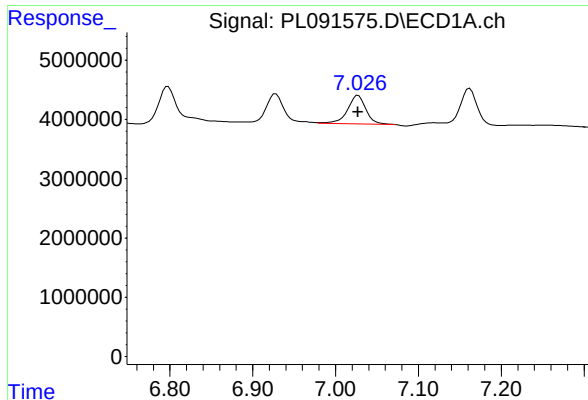
## #16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: 0.000 min  
Response: 6916878  
Conc: 5.46 ng/ml



## #16 4,4'-DDD

R.T.: 5.795 min  
Delta R.T.: 0.000 min  
Response: 8689763  
Conc: 5.18 ng/ml m



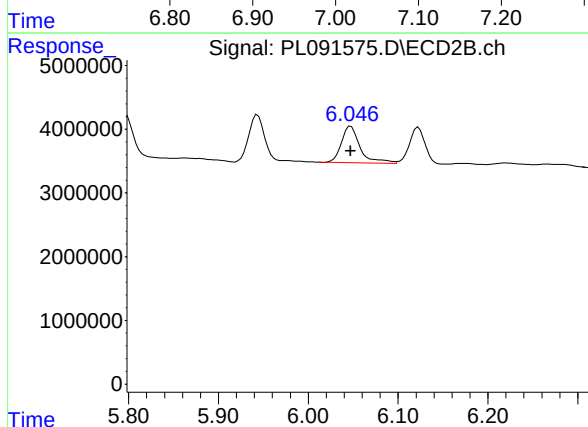
#17 4,4'-DDT

R.T.: 7.027 min  
Delta R.T.: 0.000 min  
Response: 7372833  
Conc: 5.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

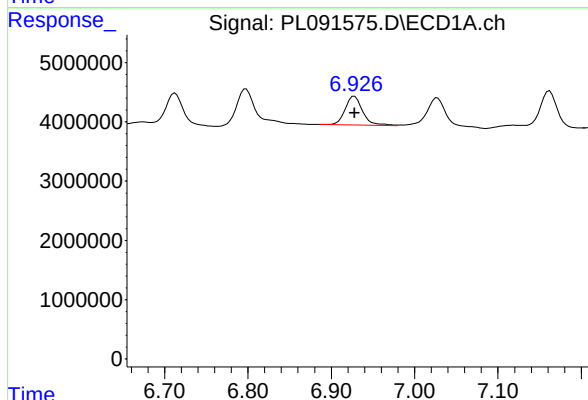
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



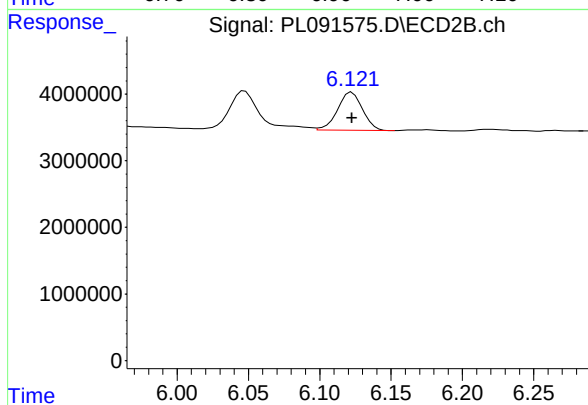
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 8304385  
Conc: 5.17 ng/ml



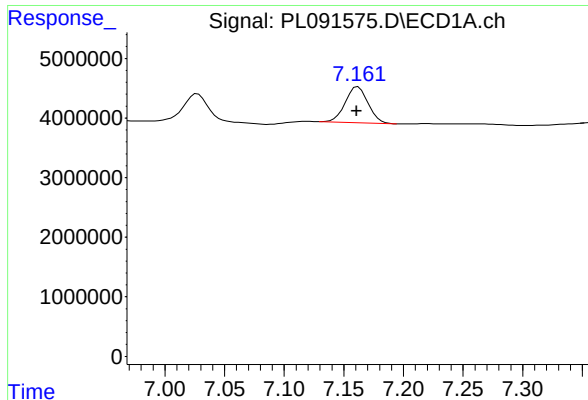
#18 Endrin aldehyde

R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 7044786  
Conc: 5.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.123 min  
Delta R.T.: 0.000 min  
Response: 6945323  
Conc: 5.08 ng/ml



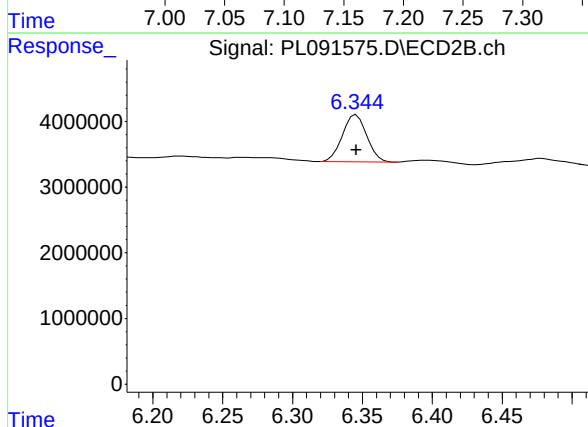
## #19 Endosulfan Sulfate

R.T.: 7.161 min  
Delta R.T.: 0.000 min  
Response: 8008492  
Conc: 5.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

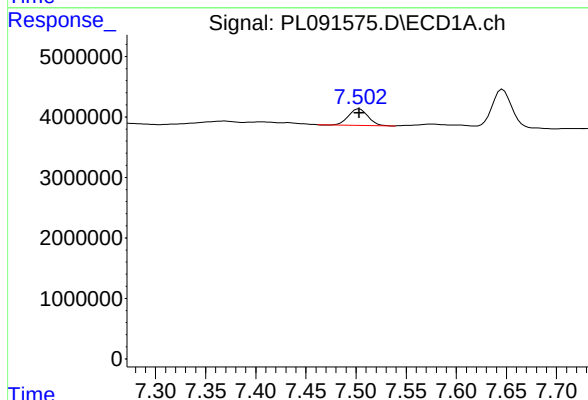
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



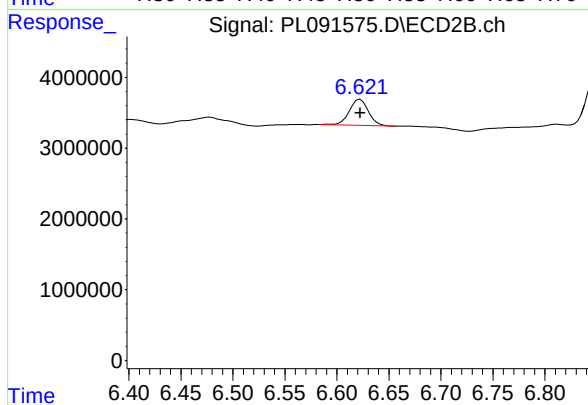
## #19 Endosulfan Sulfate

R.T.: 6.346 min  
Delta R.T.: 0.000 min  
Response: 8750838  
Conc: 5.10 ng/ml



## #20 Methoxychlor

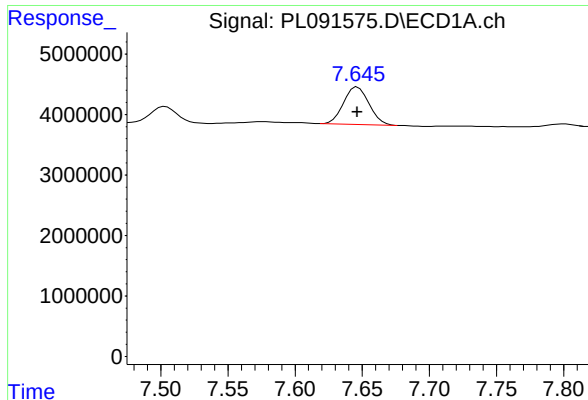
R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 3715314  
Conc: 5.49 ng/ml



## #20 Methoxychlor

R.T.: 6.623 min  
Delta R.T.: 0.000 min  
Response: 4711027  
Conc: 5.32 ng/ml





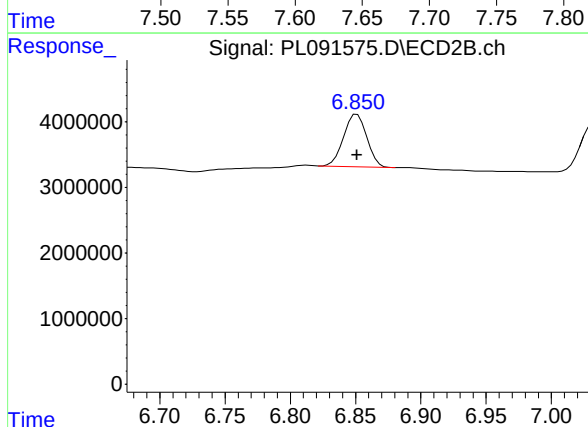
## #21 Endrin ketone

R.T.: 7.645 min  
Delta R.T.: -0.001 min  
Response: 8238337  
Conc: 5.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

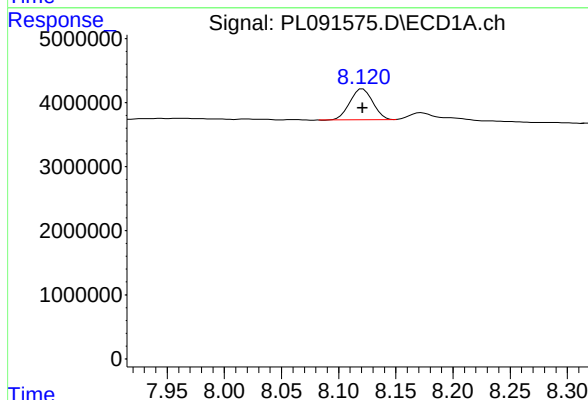
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



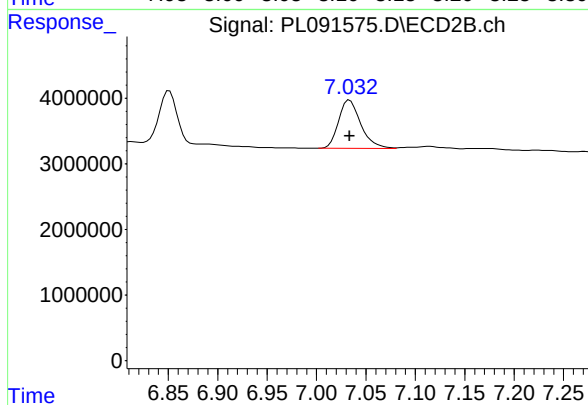
## #21 Endrin ketone

R.T.: 6.850 min  
Delta R.T.: -0.001 min  
Response: 9960292  
Conc: 4.97 ng/ml m



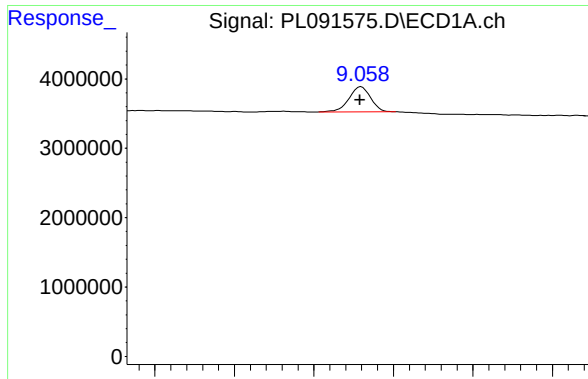
## #22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 6750279  
Conc: 5.64 ng/ml



## #22 Mirex

R.T.: 7.034 min  
Delta R.T.: 0.000 min  
Response: 11549831  
Conc: 6.51 ng/ml



#28 Decachlorobiphenyl

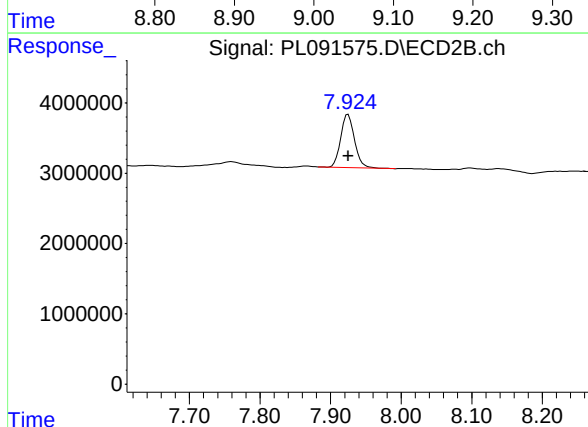
ICAL Form

R.T.: 9.058 min  
Delta R.T.: 0.000 min  
Response: 6806095  
Conc: 5.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 10274238  
Conc: 5.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091578.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 17:06  
 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: Sep 09 17:20:08 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:19:08 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 72968528 | 111.2E6  | 50.000  | 50.000  |
| 28)                         | SA Decachlor... | 9.060 | 7.925 | 58081135 | 91176732 | 50.000  | 50.000  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 23)                         | Chlordane-1     | 4.706 | 3.782 | 30713014 | 33545288 | 500.000 | 500.000 |
| 24)                         | Chlordane-2     | 5.236 | 4.360 | 36841024 | 36440792 | 500.000 | 500.000 |
| 25)                         | Chlordane-3     | 5.945 | 4.990 | 122.5E6  | 111.5E6  | 500.000 | 500.000 |
| 26)                         | Chlordane-4     | 6.027 | 5.053 | 146.6E6  | 104.3E6  | 500.000 | 500.000 |
| 27)                         | Chlordane-5     | 6.876 | 5.948 | 28162351 | 35427383 | 500.000 | 500.000 |
| -----                       |                 |       |       |          |          |         |         |

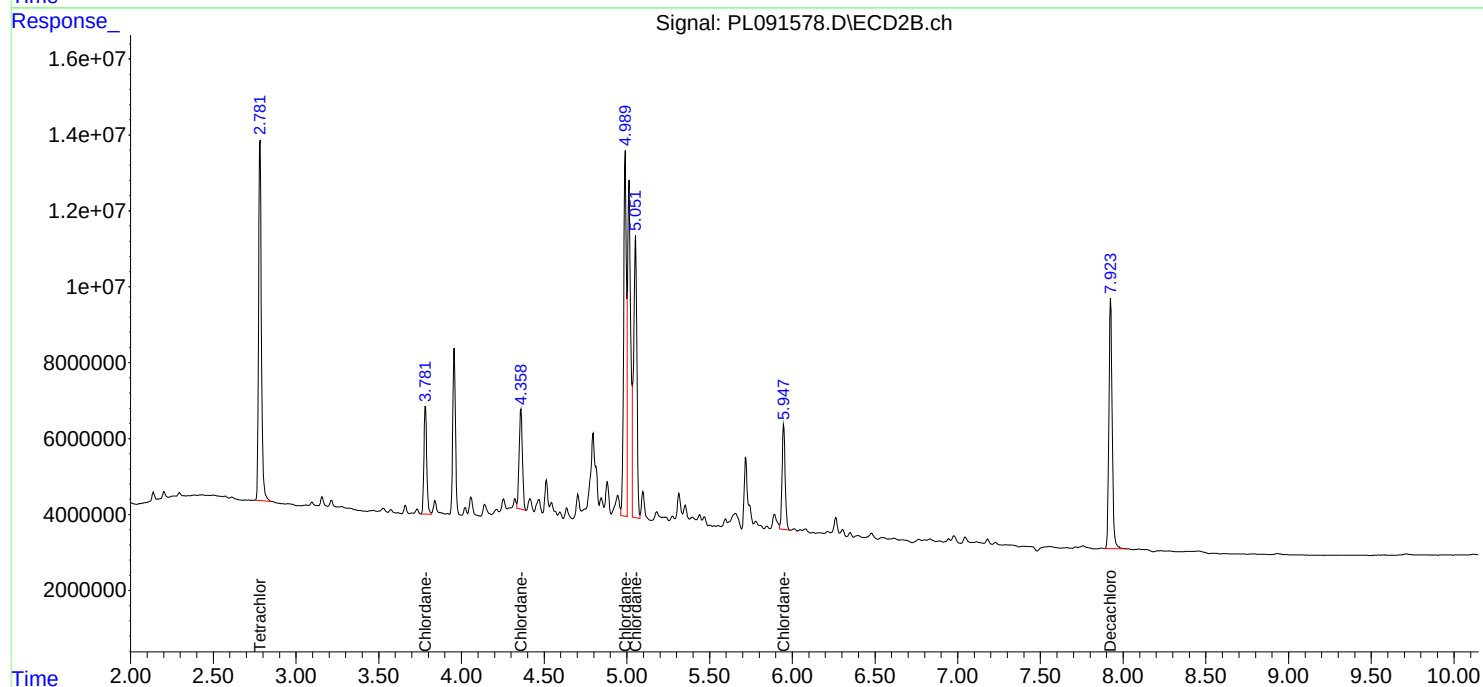
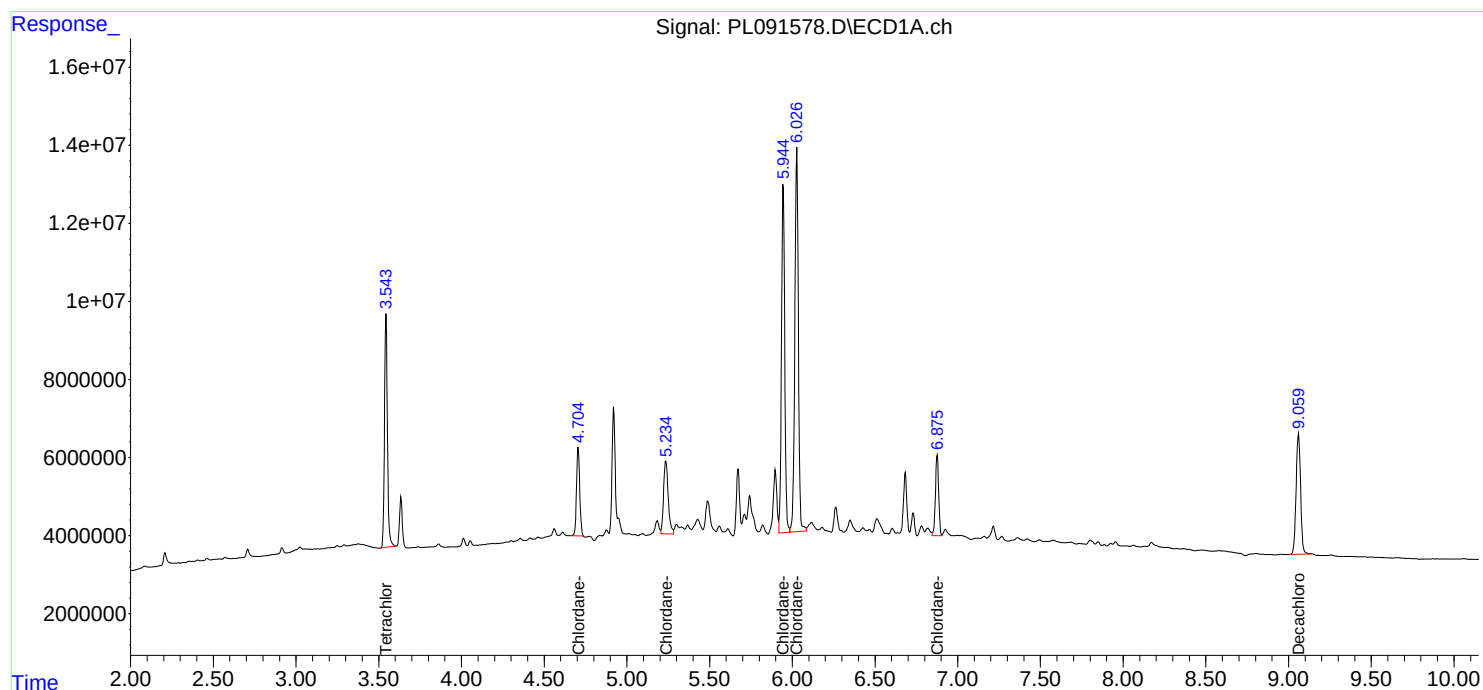
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

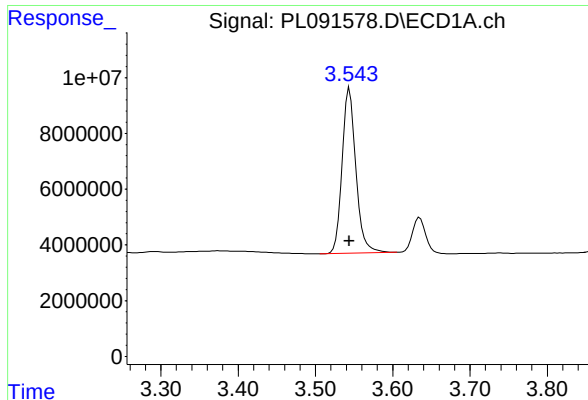
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091578.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 17:06  
Operator : AR\AJ  
Sample : PCHLORICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 17:20:08 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 17:19:08 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

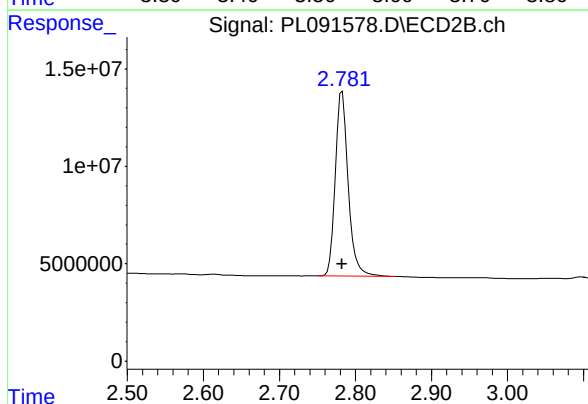




## #1 Tetrachloro-m-xylene

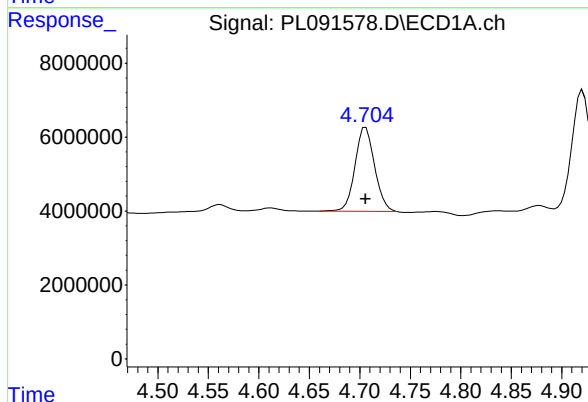
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 72968528  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



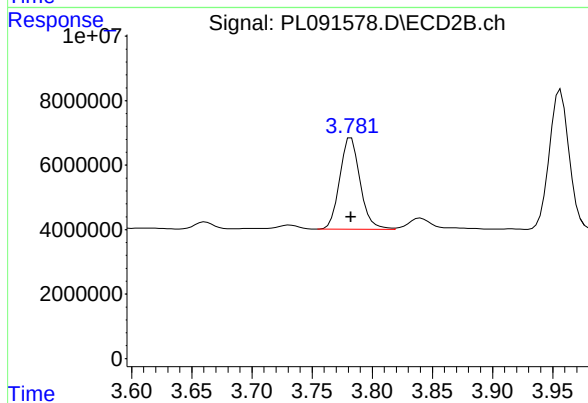
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 111183553  
Conc: 50.00 ng/ml



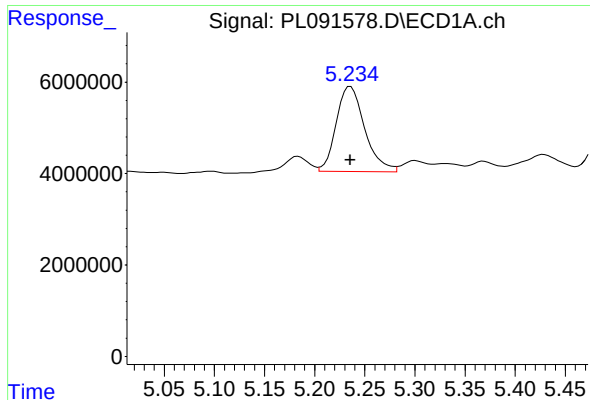
## #23 Chlordane-1

R.T.: 4.706 min  
Delta R.T.: 0.000 min  
Response: 30713014  
Conc: 500.00 ng/ml



## #23 Chlordane-1

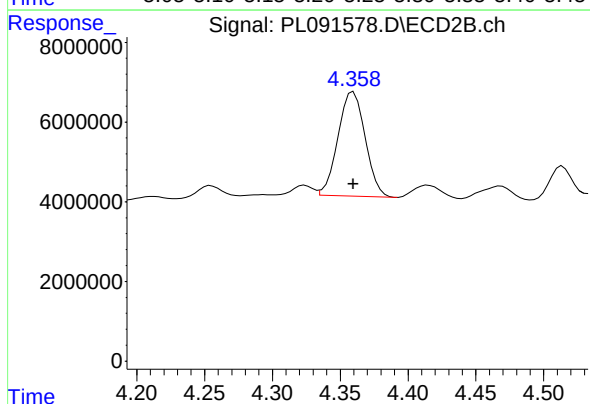
R.T.: 3.782 min  
Delta R.T.: 0.000 min  
Response: 33545288  
Conc: 500.00 ng/ml



#24 Chlordane-2

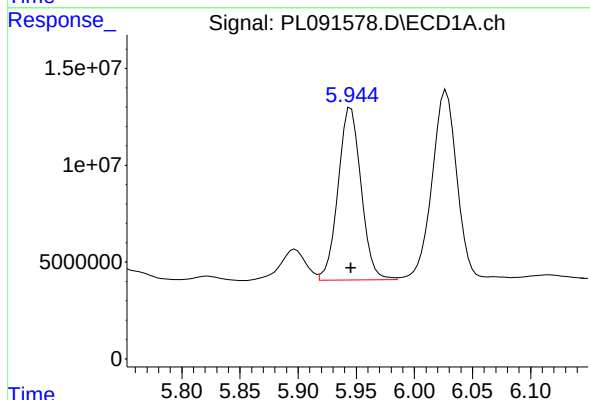
R.T.: 5.236 min  
Delta R.T.: 0.000 min  
Response: 36841024  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



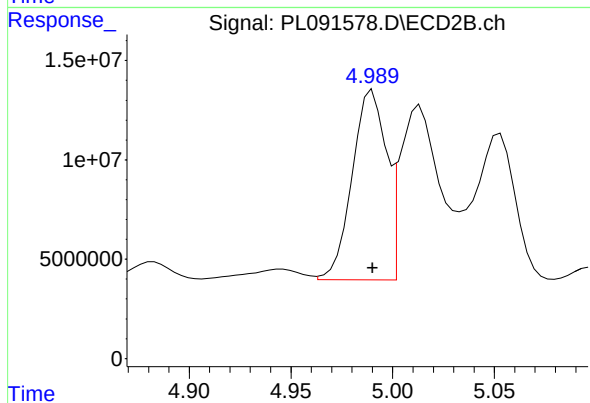
#24 Chlordane-2

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 36440792  
Conc: 500.00 ng/ml



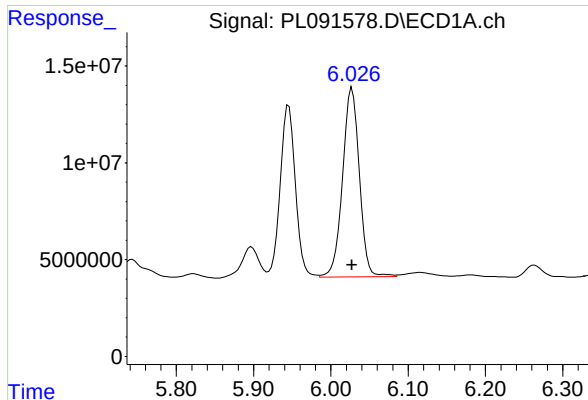
#25 Chlordane-3

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 122538160  
Conc: 500.00 ng/ml



#25 Chlordane-3

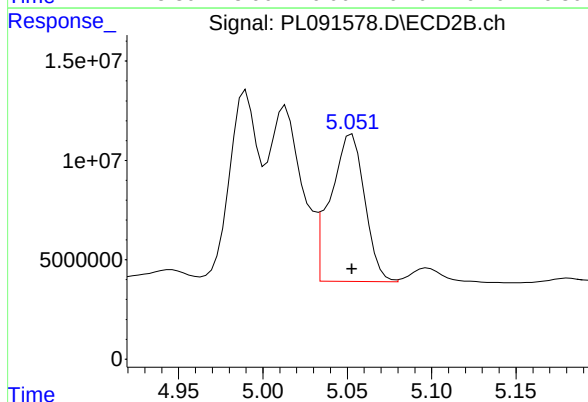
R.T.: 4.990 min  
Delta R.T.: 0.000 min  
Response: 111507436  
Conc: 500.00 ng/ml



#26 Chlordane-4

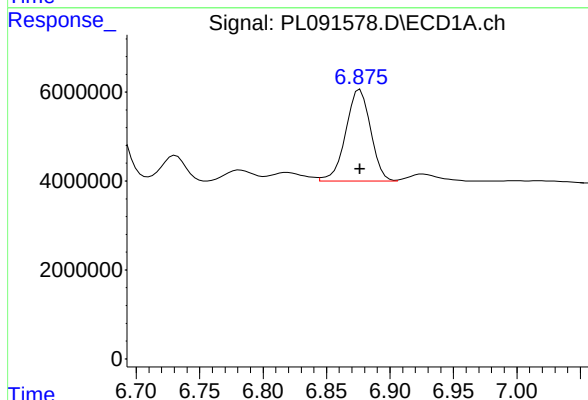
R.T.: 6.027 min  
Delta R.T.: 0.000 min  
Response: 146612440  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



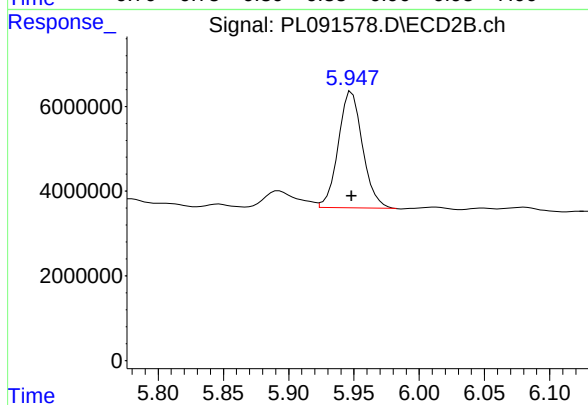
#26 Chlordane-4

R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 104269708  
Conc: 500.00 ng/ml



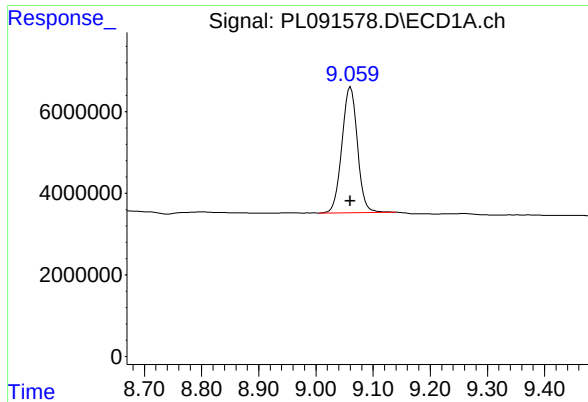
#27 Chlordane-5

R.T.: 6.876 min  
Delta R.T.: 0.000 min  
Response: 28162351  
Conc: 500.00 ng/ml



#27 Chlordane-5

R.T.: 5.948 min  
Delta R.T.: 0.000 min  
Response: 35427383  
Conc: 500.00 ng/ml

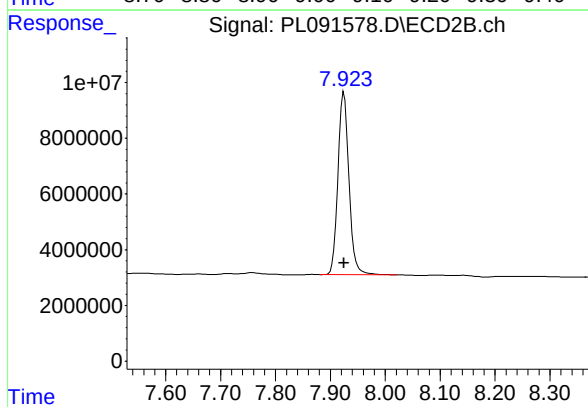


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 58081135  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 91176732  
Conc: 50.00 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091583.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 18:14  
 Operator : AR\AJ  
 Sample : PTOXICC500  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PTOXICC500

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 11 12:44:49 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX090924.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Sep 11 12:44:41 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.782 | 79758513 | 100.0E6  | 50.000  | 50.000  |
| 7) SA Decachlor...          | 9.054 | 7.921 | 61336379 | 93467150 | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.238 | 5.010 | 4804166  | 6231855  | 500.000 | 500.000 |
| 3) Toxaphene-2              | 6.442 | 5.336 | 4436300  | 5922548  | 500.000 | 500.000 |
| 4) Toxaphene-3              | 7.059 | 6.609 | 23018431 | 20907035 | 500.000 | 500.000 |
| 5) Toxaphene-4              | 7.150 | 6.738 | 18549810 | 27544576 | 500.000 | 500.000 |
| 6) Toxaphene-5              | 7.934 | 7.048 | 13831400 | 22388140 | 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\PL090924\  
Data File : PL091583.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 18:14  
Operator : AR\AJ  
Sample : PTOXICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PTOXICC500

## Manual Integrations

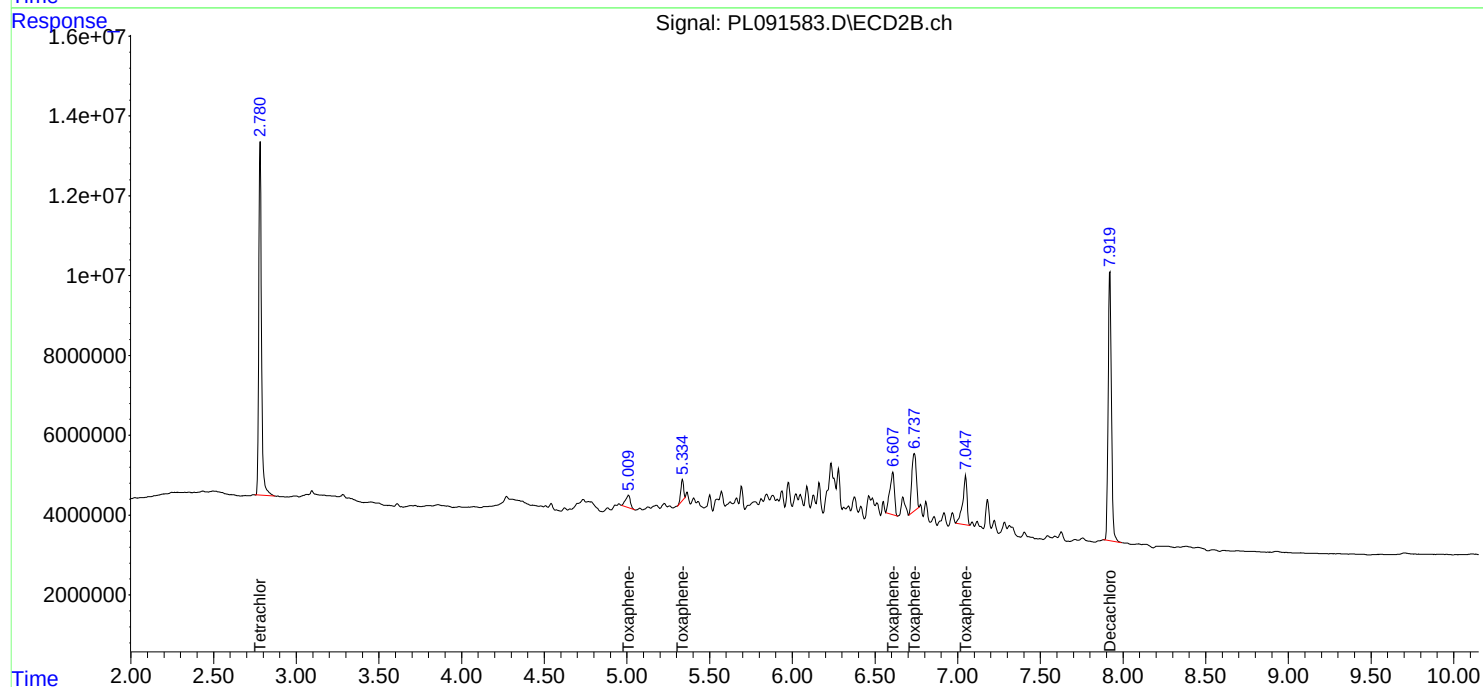
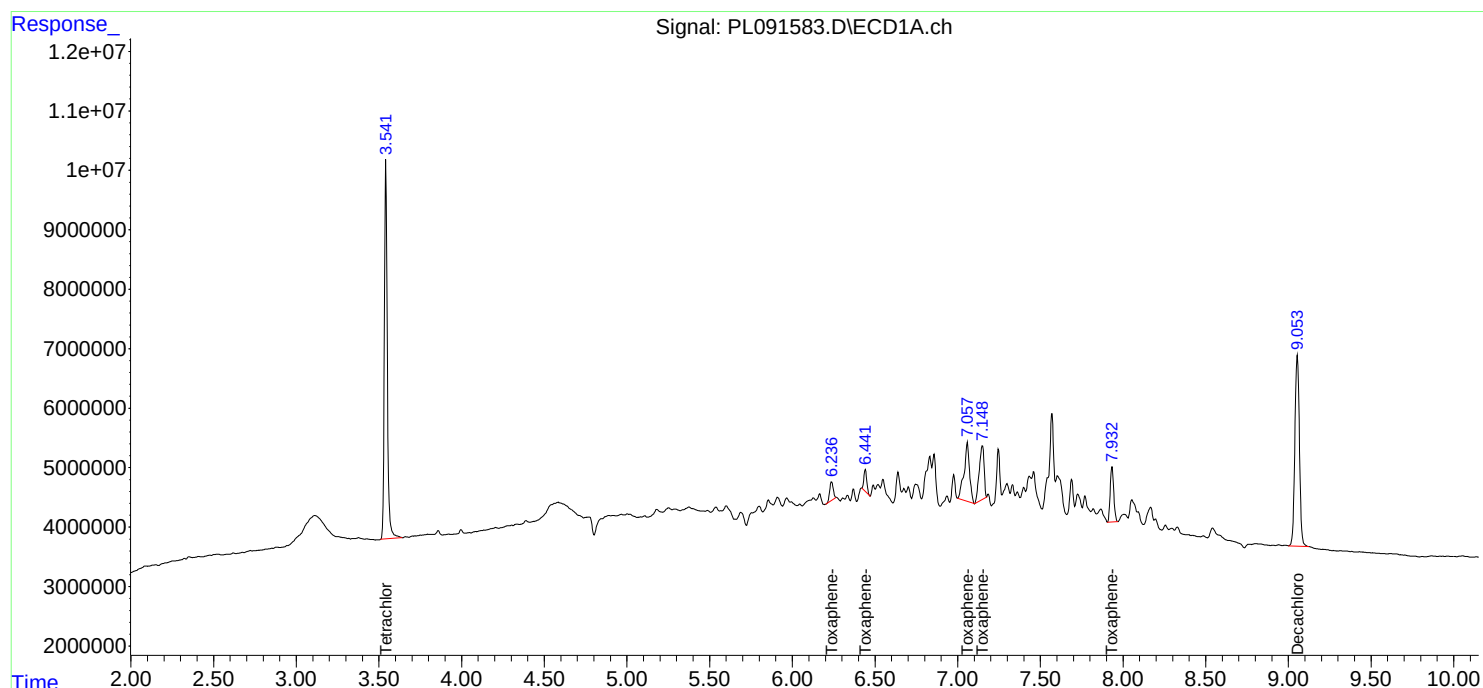
## APPROVED

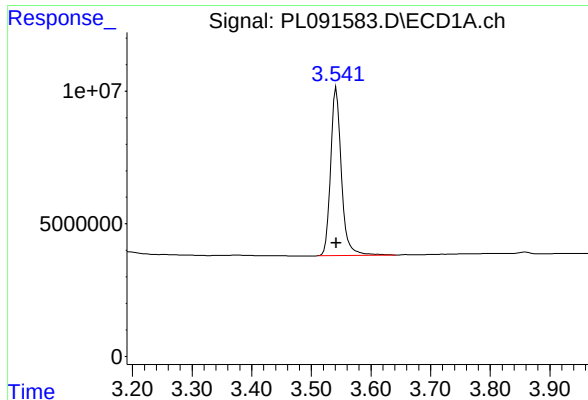
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 11 12:44:49 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX090924.M  
Quant Title : GC Extractables  
QLast Update : Wed Sep 11 12:44:41 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





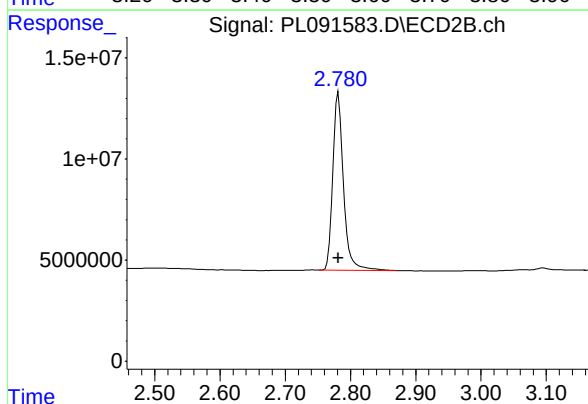
## #1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: 0.000 min  
Response: 79758513  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

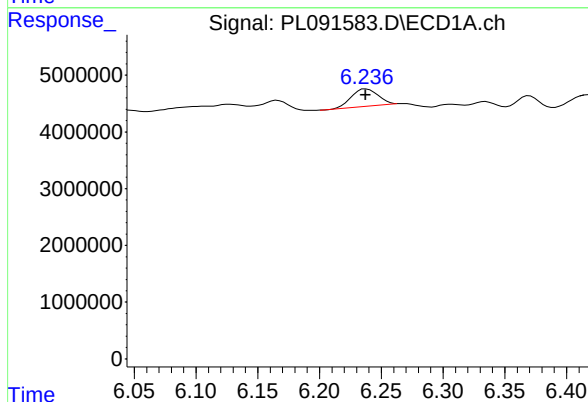
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



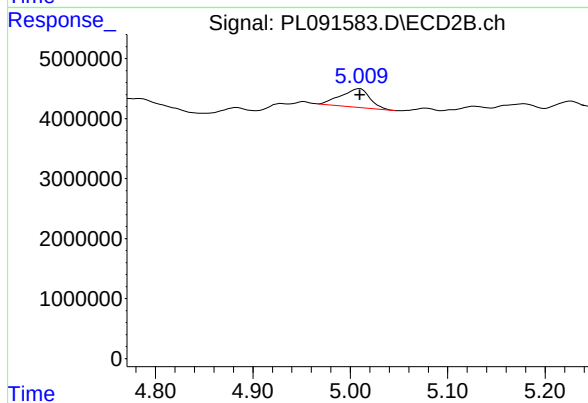
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 100037989  
Conc: 50.00 ng/ml



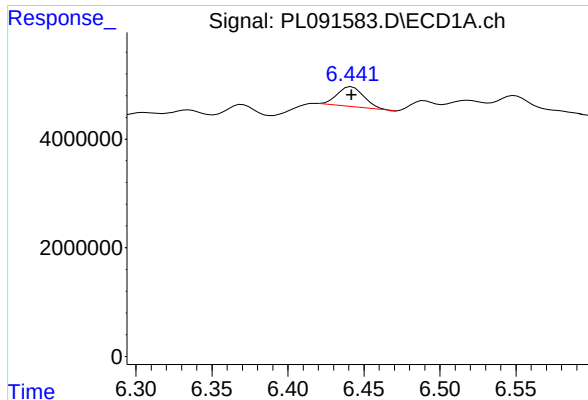
## #2 Toxaphene-1

R.T.: 6.238 min  
Delta R.T.: 0.000 min  
Response: 4804166  
Conc: 500.00 ng/ml



## #2 Toxaphene-1

R.T.: 5.010 min  
Delta R.T.: 0.000 min  
Response: 6231855  
Conc: 500.00 ng/ml



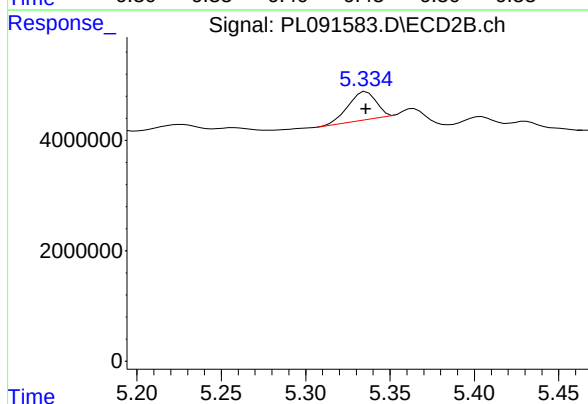
## #3 Toxaphene-2

R.T.: 6.442 min  
Delta R.T.: 0.000 min  
Response: 4436300  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

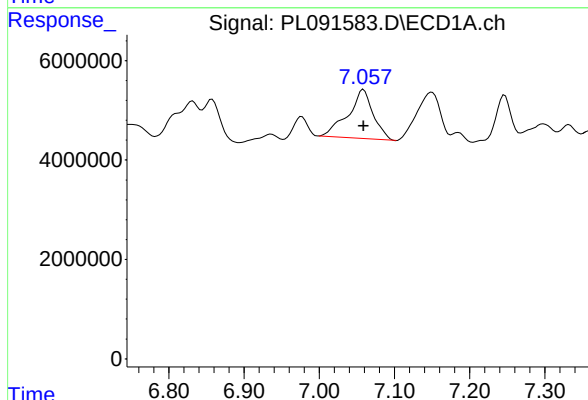
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



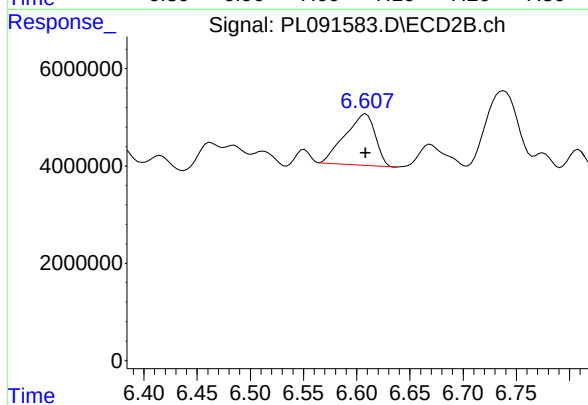
## #3 Toxaphene-2

R.T.: 5.336 min  
Delta R.T.: 0.000 min  
Response: 5922548  
Conc: 500.00 ng/ml



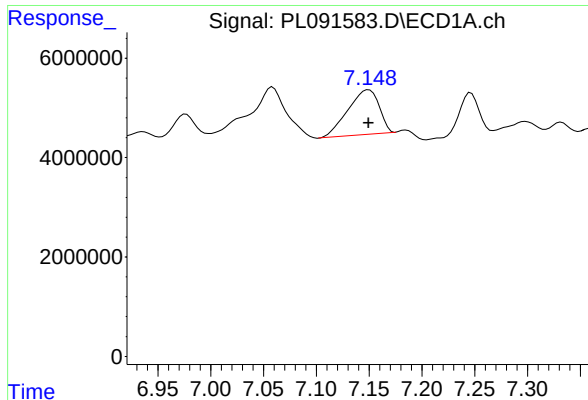
## #4 Toxaphene-3

R.T.: 7.059 min  
Delta R.T.: 0.000 min  
Response: 23018431  
Conc: 500.00 ng/ml



## #4 Toxaphene-3

R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 20907035  
Conc: 500.00 ng/ml



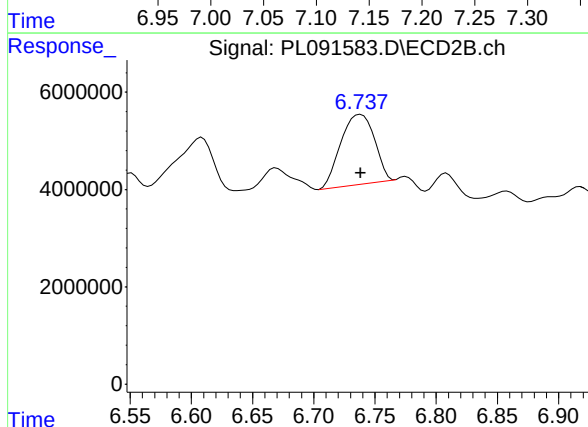
#5 Toxaphene-4

R.T.: 7.150 min  
Delta R.T.: 0.000 min  
Response: 18549810  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

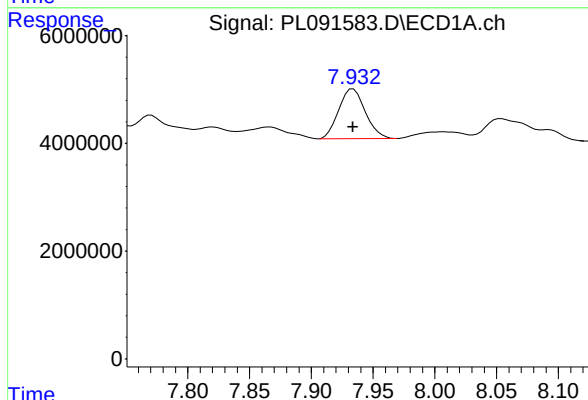
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



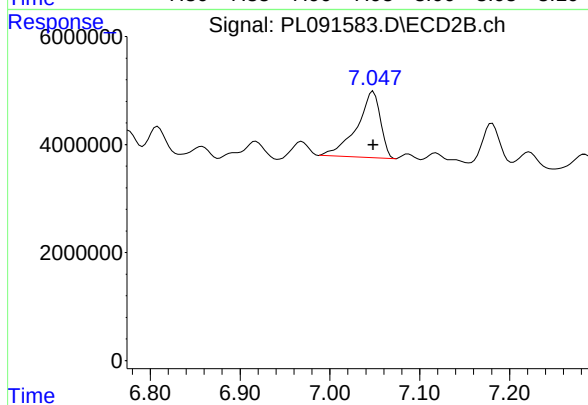
#5 Toxaphene-4

R.T.: 6.738 min  
Delta R.T.: 0.000 min  
Response: 27544576  
Conc: 500.00 ng/ml



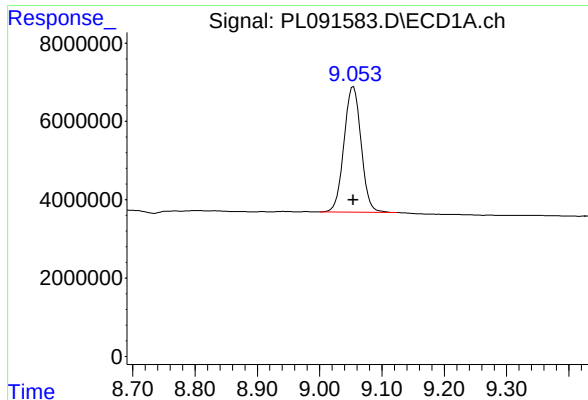
#6 Toxaphene-5

R.T.: 7.934 min  
Delta R.T.: 0.000 min  
Response: 13831400  
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.048 min  
Delta R.T.: 0.000 min  
Response: 22388140  
Conc: 500.00 ng/ml



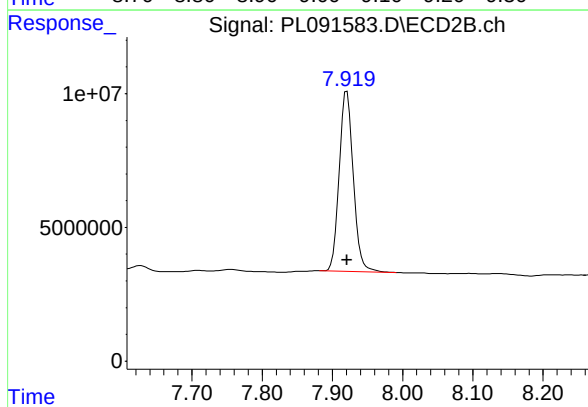
## #7 Decachlorobiphenyl

R.T.: 9.054 min  
Delta R.T.: 0.000 min  
Response: 61336379  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



## #7 Decachlorobiphenyl

R.T.: 7.921 min  
Delta R.T.: 0.000 min  
Response: 93467150  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091586.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 18:56  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL090924

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/11/2024  
 Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 19:10:43 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:50:55 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-------|-------|----------|----------|--------|---------|
| -----                       |       |       |          |          |        |         |
| System Monitoring Compounds |       |       |          |          |        |         |
| 1) SA Tetrachlo...          | 3.543 | 2.782 | 83915486 | 104.6E6  | 53.840 | 55.935  |
| 28) SA Decachlor...         | 9.055 | 7.921 | 63781159 | 97277745 | 52.481 | 52.681  |
| Target Compounds            |       |       |          |          |        |         |
| 2) A alpha-BHC              | 3.998 | 3.285 | 116.8E6  | 149.3E6  | 54.072 | 56.136  |
| 3) MA gamma-BHC...          | 4.330 | 3.615 | 111.5E6  | 136.0E6  | 54.259 | 55.307  |
| 4) MA Heptachlor            | 4.919 | 3.954 | 100.2E6  | 130.7E6  | 53.483 | 54.290  |
| 5) MB Aldrin                | 5.260 | 4.234 | 96558789 | 124.5E6  | 51.841 | 54.591  |
| 6) B beta-BHC               | 4.527 | 3.914 | 48274731 | 57330941 | 53.048 | 52.478  |
| 7) B delta-BHC              | 4.774 | 4.143 | 99929922 | 126.7E6  | 52.015 | 55.086  |
| 8) B Heptachlo...           | 5.686 | 4.736 | 85836765 | 111.9E6  | 51.439 | 53.101  |
| 9) A Endosulfan I           | 6.071 | 5.106 | 81637724 | 102.4E6  | 52.395 | 53.057  |
| 10) B gamma-Chl...          | 5.942 | 4.985 | 87218451 | 115.2E6  | 52.202 | 52.219m |
| 11) B alpha-Chl...          | 6.021 | 5.050 | 86269557 | 111.1E6  | 53.523 | 53.677  |
| 12) B 4,4'-DDE              | 6.194 | 5.240 | 77527500 | 102.7E6  | 53.150 | 54.168  |
| 13) MA Dieldrin             | 6.346 | 5.371 | 86964856 | 110.9E6  | 53.296 | 53.977  |
| 14) MA Endrin               | 6.576 | 5.646 | 69199622 | 96810425 | 52.042 | 51.299  |
| 15) B Endosulfa...          | 6.795 | 5.940 | 80320168 | 95284661 | 51.819 | 53.866  |
| 16) A 4,4'-DDD              | 6.710 | 5.794 | 67266636 | 90194133 | 53.068 | 53.823  |
| 17) MA 4,4'-DDT             | 7.024 | 6.045 | 68504141 | 84477178 | 52.224 | 52.575  |
| 18) B Endrin al...          | 6.925 | 6.119 | 62263377 | 73286023 | 52.404 | 53.609  |
| 19) B Endosulfa...          | 7.159 | 6.342 | 72181665 | 91353706 | 51.691 | 53.233  |
| 20) A Methoxychlor          | 7.500 | 6.619 | 35218581 | 46080555 | 52.063 | 52.024  |
| 21) B Endrin ke...          | 7.643 | 6.848 | 82410693 | 109.1E6  | 53.295 | 54.217  |
| 22) Mirex                   | 8.117 | 7.030 | 62421513 | 88119120 | 52.129 | 49.694  |
| -----                       |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091586.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 18:56  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

ICVPL090924

## Manual Integrations

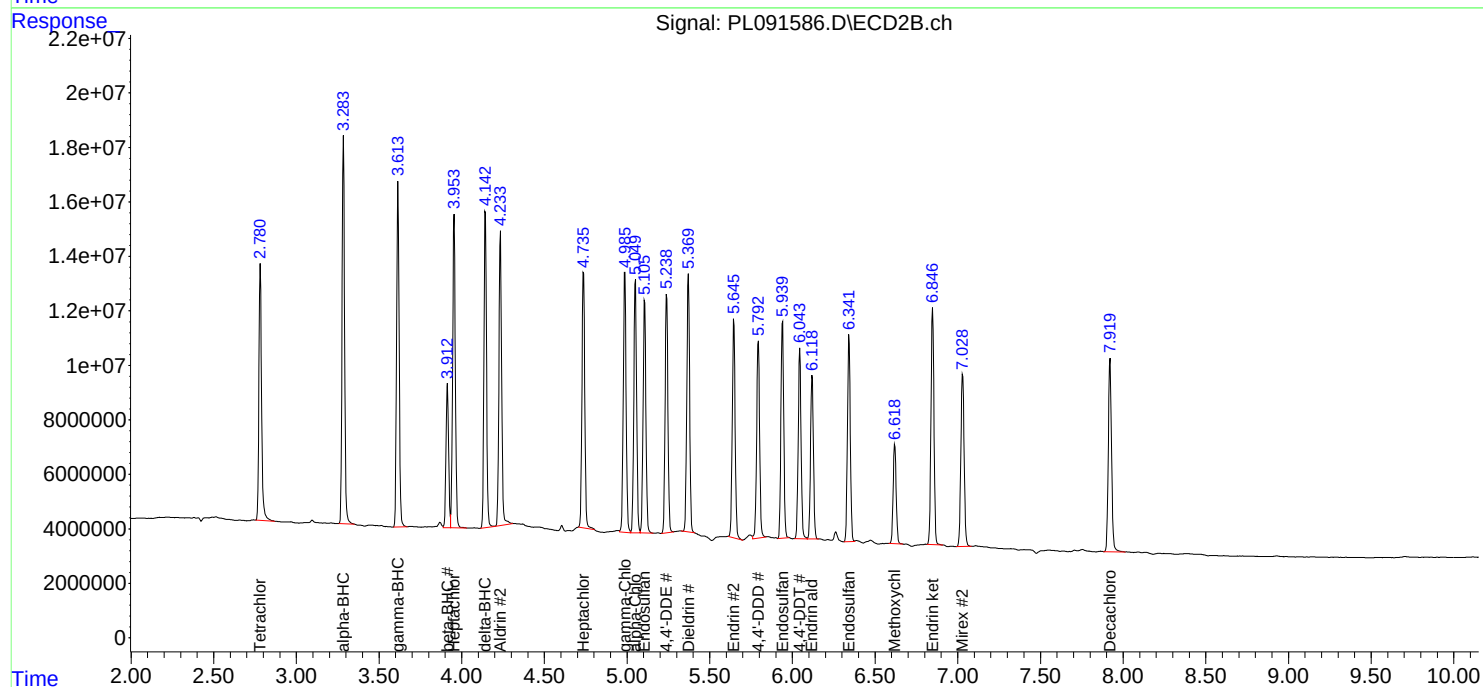
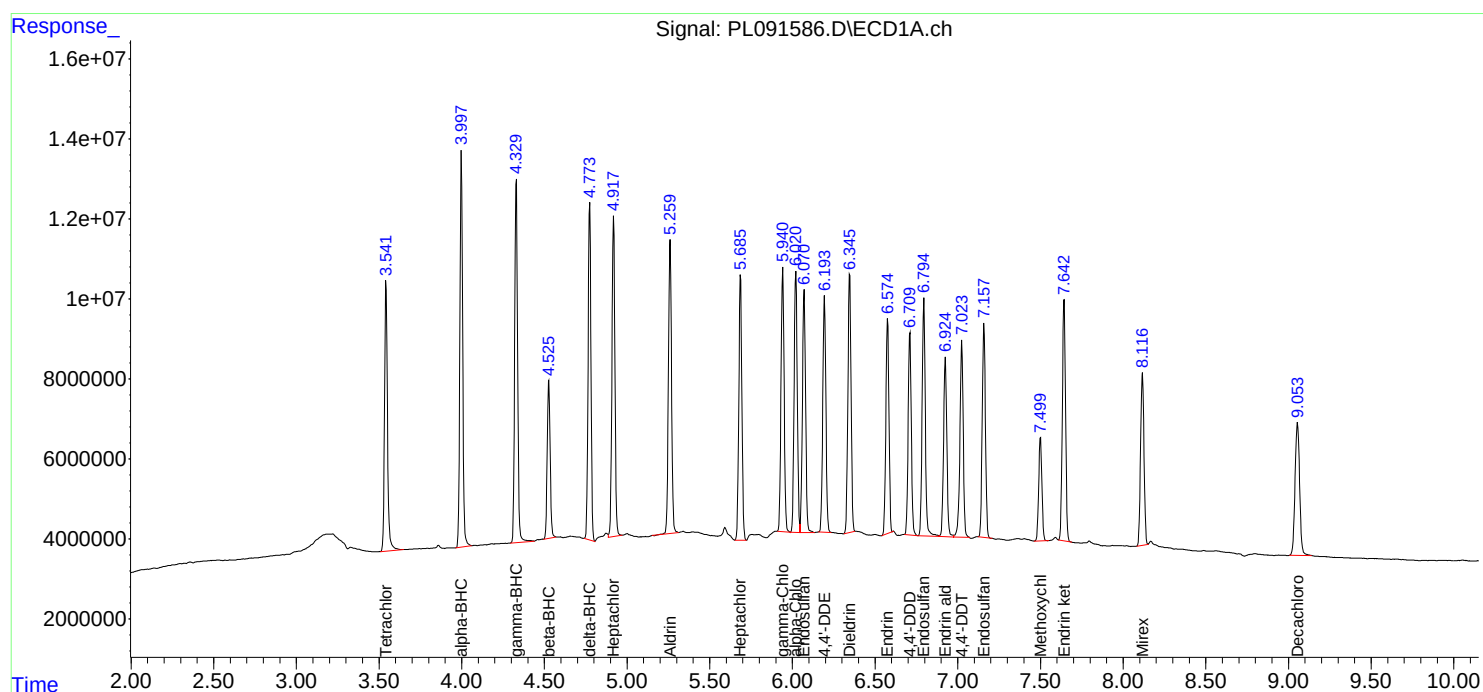
## APPROVED

Reviewed By :Abdul Mirza 09/11/2024

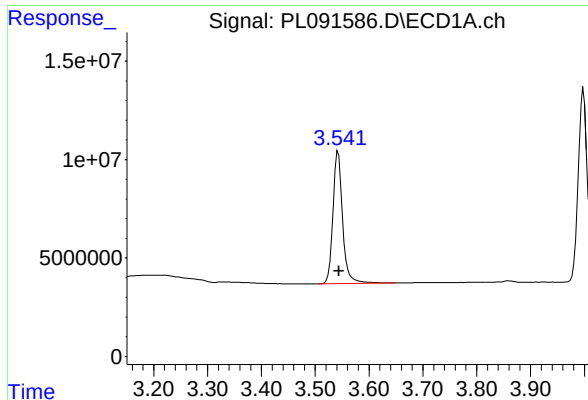
Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 19:10:43 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 17:50:55 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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







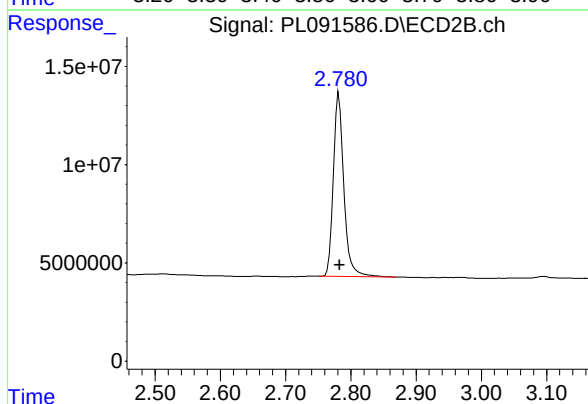
## #1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: -0.001 min  
Response: 83915486  
Conc: 53.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

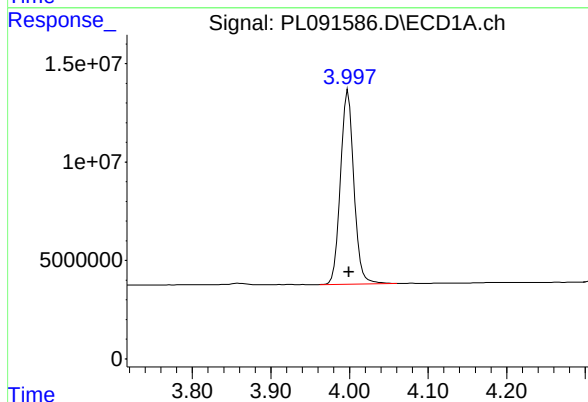
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



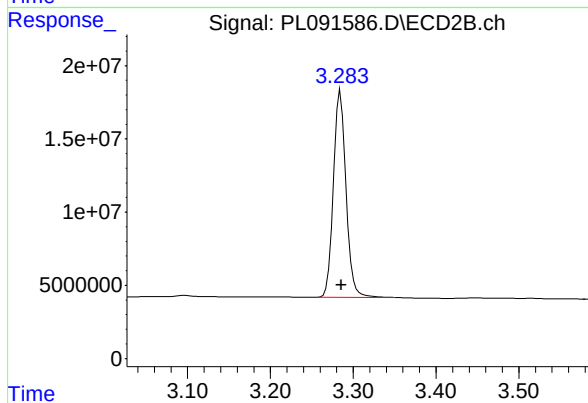
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 104614421  
Conc: 55.93 ng/ml



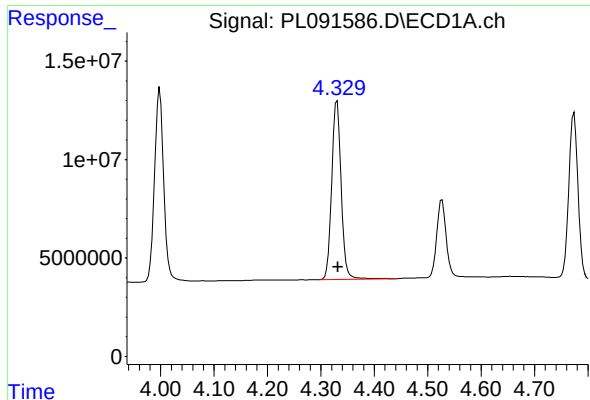
## #2 alpha-BHC

R.T.: 3.998 min  
Delta R.T.: -0.001 min  
Response: 116790261  
Conc: 54.07 ng/ml



## #2 alpha-BHC

R.T.: 3.285 min  
Delta R.T.: -0.001 min  
Response: 149296639  
Conc: 56.14 ng/ml



#3 gamma-BHC (Lindane)

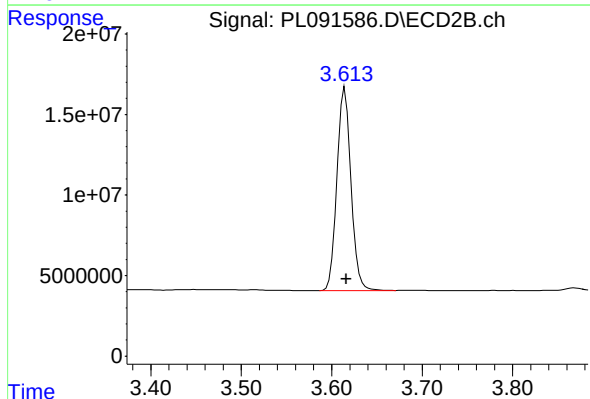
R.T.: 4.330 min  
Delta R.T.: -0.002 min  
Response: 111540592  
Conc: 54.26 ng/ml

ICAL Form

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

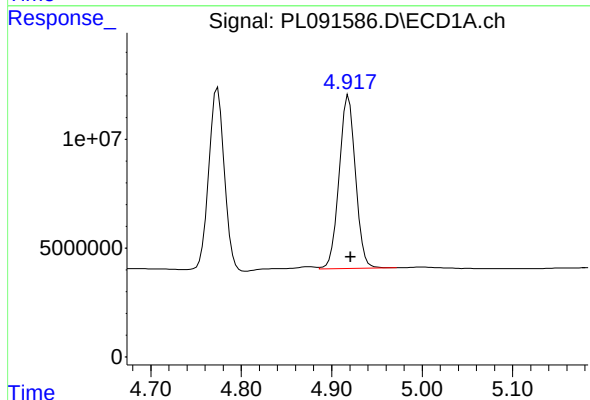
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



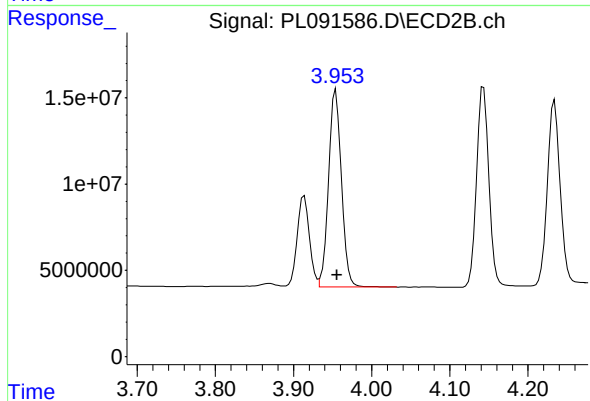
#3 gamma-BHC (Lindane)

R.T.: 3.615 min  
Delta R.T.: -0.002 min  
Response: 136026098  
Conc: 55.31 ng/ml



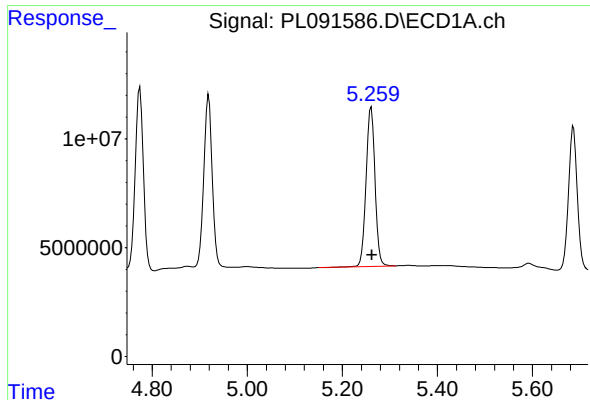
#4 Heptachlor

R.T.: 4.919 min  
Delta R.T.: -0.002 min  
Response: 100175098  
Conc: 53.48 ng/ml



#4 Heptachlor

R.T.: 3.954 min  
Delta R.T.: -0.002 min  
Response: 130748030  
Conc: 54.29 ng/ml



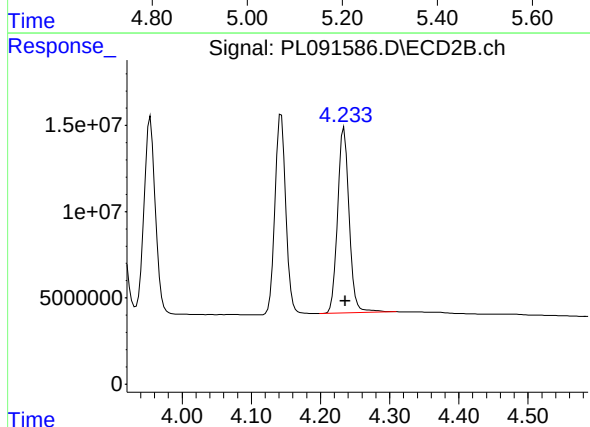
#5 Aldrin

R.T.: 5.260 min  
Delta R.T.: -0.002 min  
Response: 96558789  
Conc: 51.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

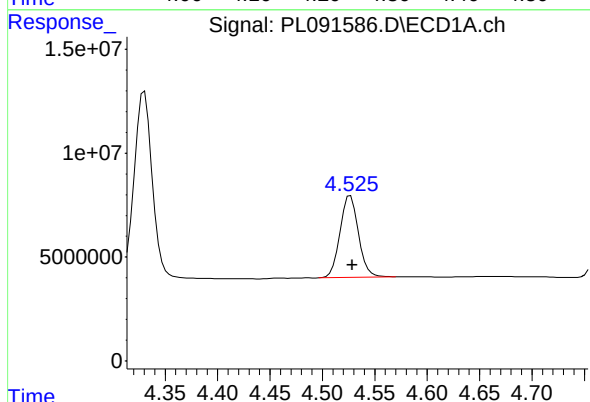
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



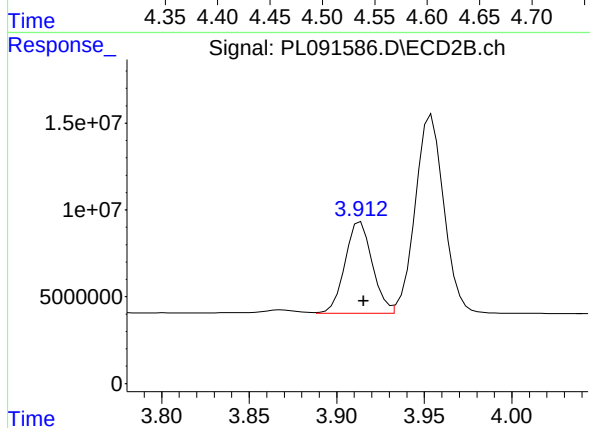
#5 Aldrin

R.T.: 4.234 min  
Delta R.T.: -0.002 min  
Response: 124549009  
Conc: 54.59 ng/ml



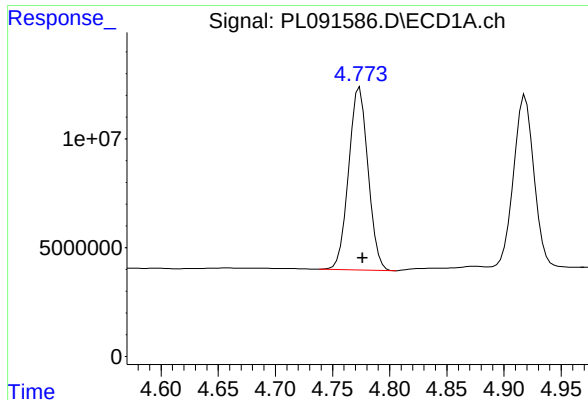
#6 beta-BHC

R.T.: 4.527 min  
Delta R.T.: -0.002 min  
Response: 48274731  
Conc: 53.05 ng/ml



#6 beta-BHC

R.T.: 3.914 min  
Delta R.T.: -0.002 min  
Response: 57330941  
Conc: 52.48 ng/ml



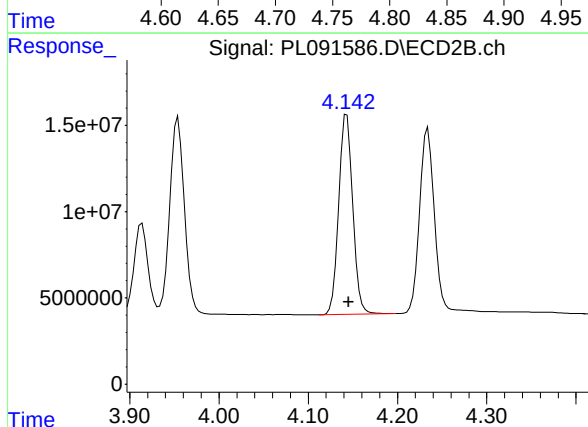
#7 delta-BHC

R.T.: 4.774 min  
Delta R.T.: -0.002 min  
Response: 99929922  
Conc: 52.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

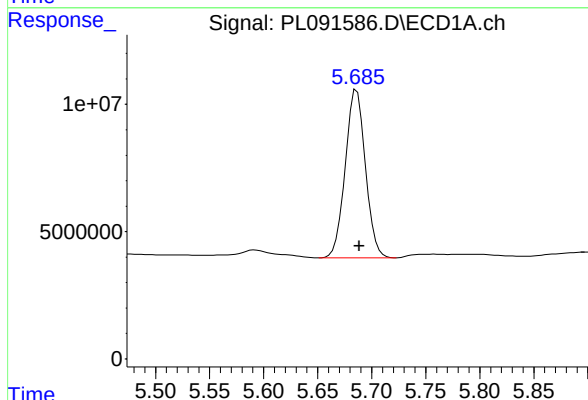
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



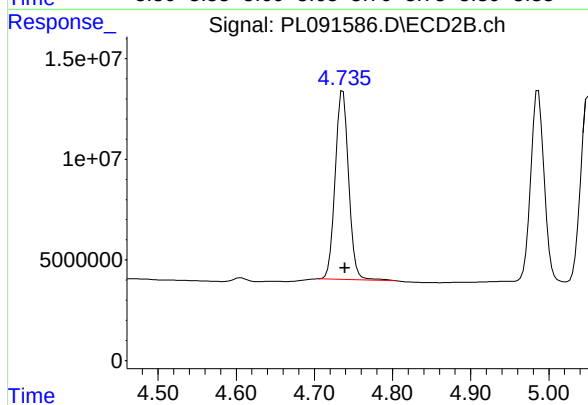
#7 delta-BHC

R.T.: 4.143 min  
Delta R.T.: -0.002 min  
Response: 126738150  
Conc: 55.09 ng/ml



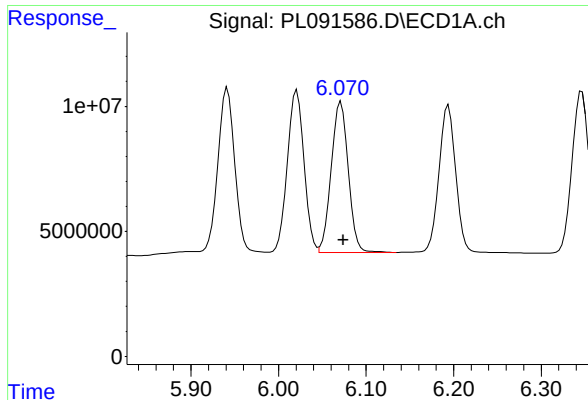
#8 Heptachlor epoxide

R.T.: 5.686 min  
Delta R.T.: -0.002 min  
Response: 85836765  
Conc: 51.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.736 min  
Delta R.T.: -0.003 min  
Response: 111921473  
Conc: 53.10 ng/ml



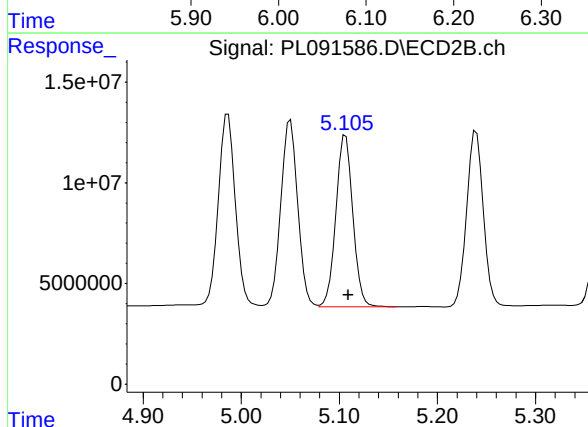
#9 Endosulfan I

R.T.: 6.071 min  
Delta R.T.: -0.003 min  
Response: 81637724  
Conc: 52.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

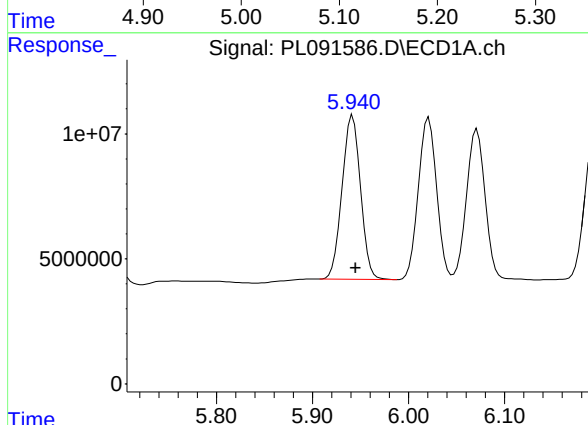
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



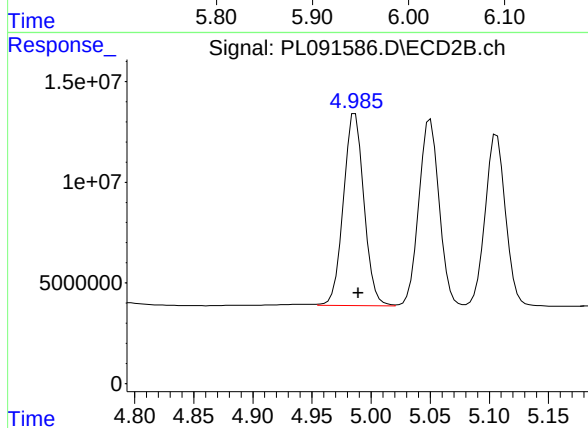
#9 Endosulfan I

R.T.: 5.106 min  
Delta R.T.: -0.003 min  
Response: 102364549  
Conc: 53.06 ng/ml



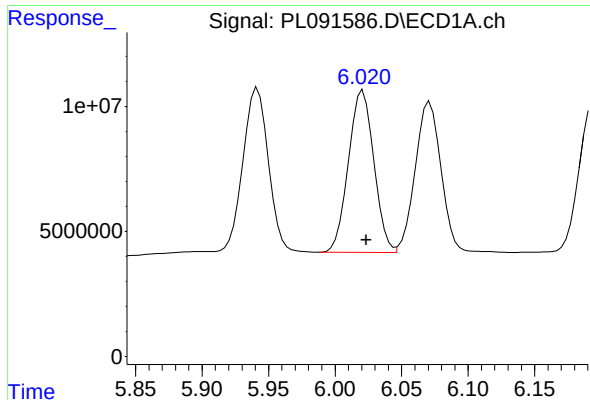
#10 gamma-Chlordane

R.T.: 5.942 min  
Delta R.T.: -0.003 min  
Response: 87218451  
Conc: 52.20 ng/ml



#10 gamma-Chlordane

R.T.: 4.985 min  
Delta R.T.: -0.004 min  
Response: 115176998  
Conc: 52.22 ng/ml m



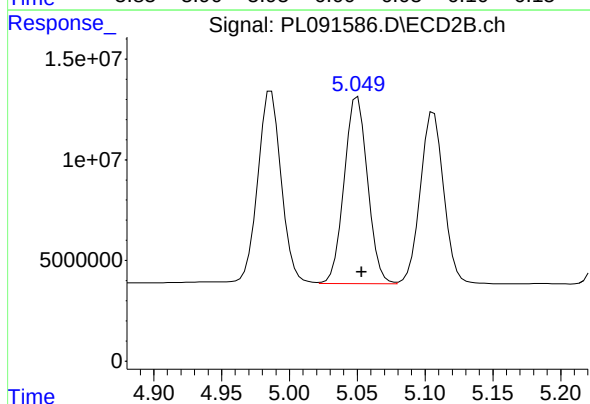
#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: -0.002 min  
Response: 86269557  
Conc: 53.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

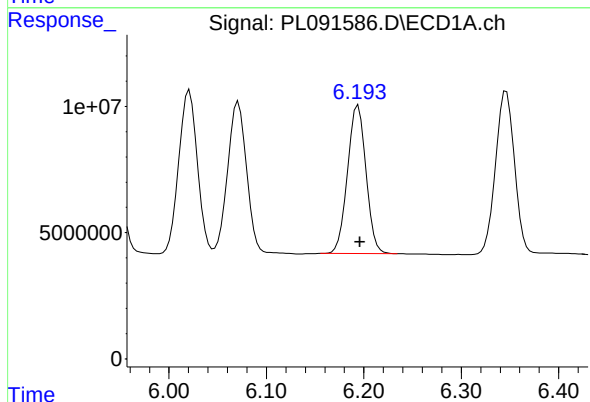
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



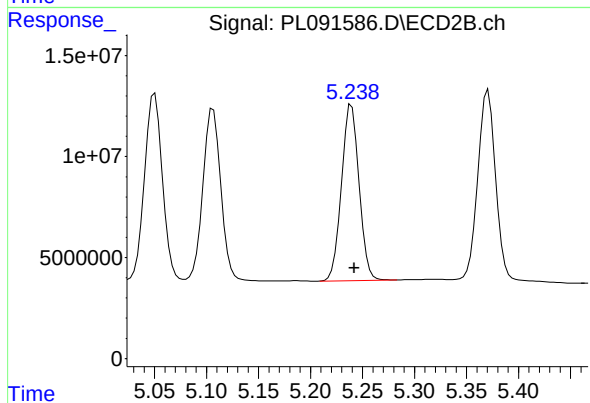
#11 alpha-Chlordane

R.T.: 5.050 min  
Delta R.T.: -0.003 min  
Response: 111058694  
Conc: 53.68 ng/ml



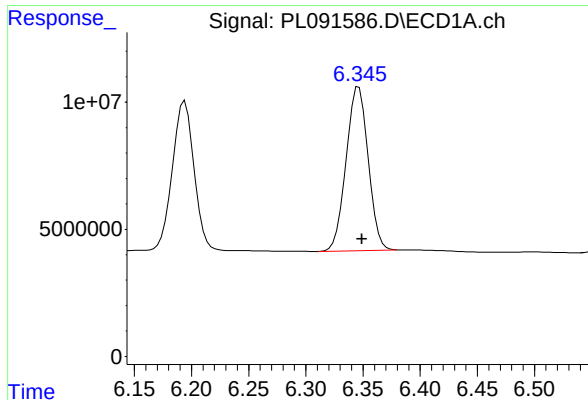
#12 4,4'-DDE

R.T.: 6.194 min  
Delta R.T.: -0.002 min  
Response: 77527500  
Conc: 53.15 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min  
Delta R.T.: -0.002 min  
Response: 102740696  
Conc: 54.17 ng/ml



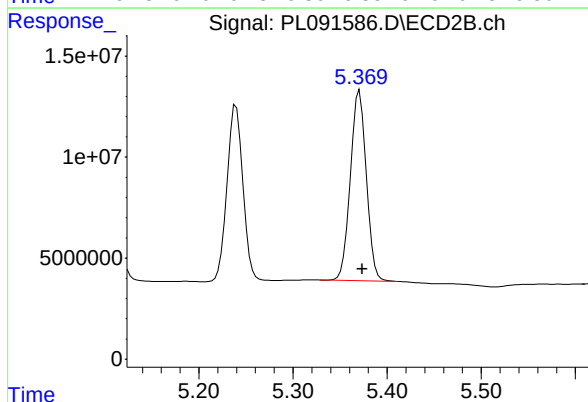
#13 Dieldrin

R.T.: 6.346 min  
Delta R.T.: -0.003 min  
Response: 86964856  
Conc: 53.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

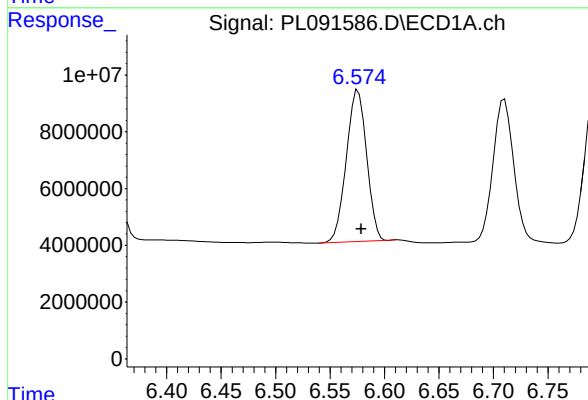
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



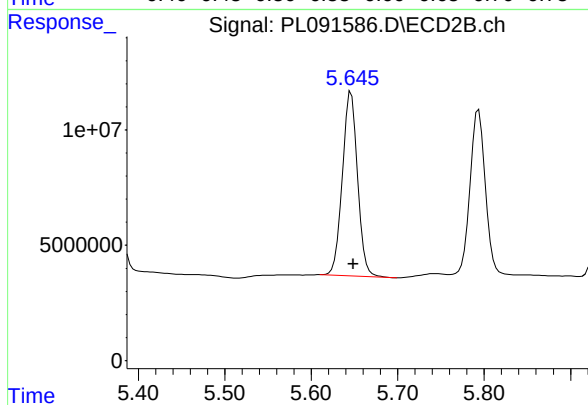
#13 Dieldrin

R.T.: 5.371 min  
Delta R.T.: -0.003 min  
Response: 110947465  
Conc: 53.98 ng/ml



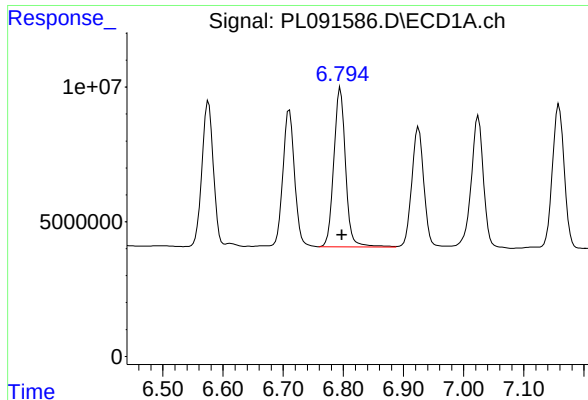
#14 Endrin

R.T.: 6.576 min  
Delta R.T.: -0.003 min  
Response: 69199622  
Conc: 52.04 ng/ml



#14 Endrin

R.T.: 5.646 min  
Delta R.T.: -0.003 min  
Response: 96810425  
Conc: 51.30 ng/ml



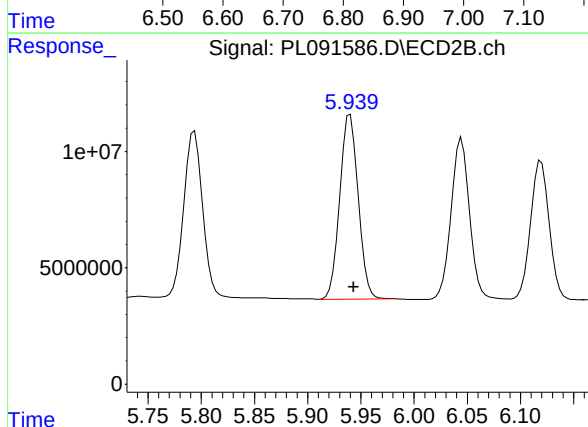
## #15 Endosulfan II

R.T.: 6.795 min  
Delta R.T.: -0.003 min  
Response: 80320168  
Conc: 51.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

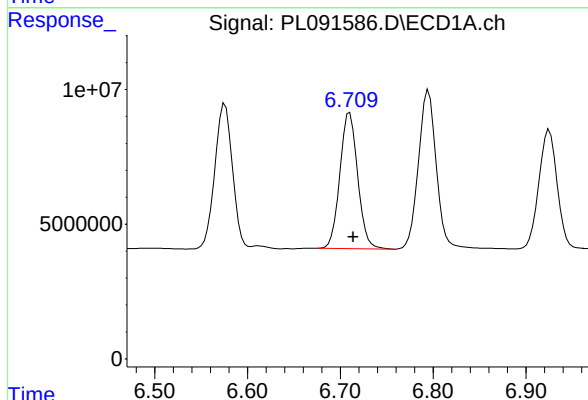
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



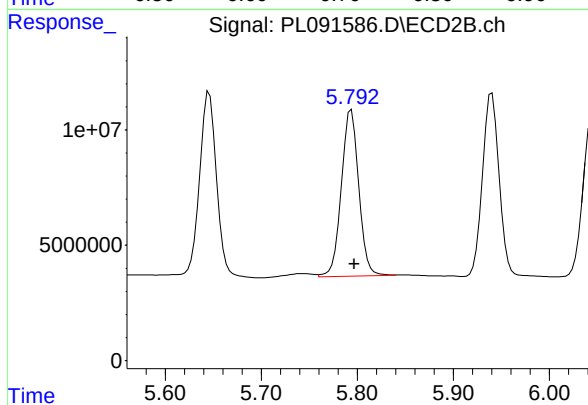
## #15 Endosulfan II

R.T.: 5.940 min  
Delta R.T.: -0.003 min  
Response: 95284661  
Conc: 53.87 ng/ml



## #16 4,4'-DDD

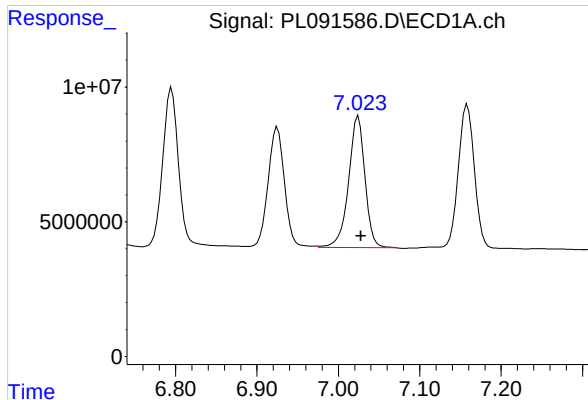
R.T.: 6.710 min  
Delta R.T.: -0.004 min  
Response: 67266636  
Conc: 53.07 ng/ml



## #16 4,4'-DDD

R.T.: 5.794 min  
Delta R.T.: -0.003 min  
Response: 90194133  
Conc: 53.82 ng/ml





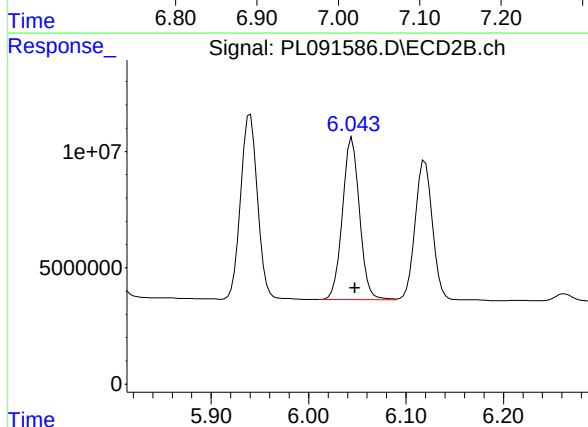
#17 4,4'-DDT

R.T.: 7.024 min  
Delta R.T.: -0.003 min  
Response: 68504141  
Conc: 52.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

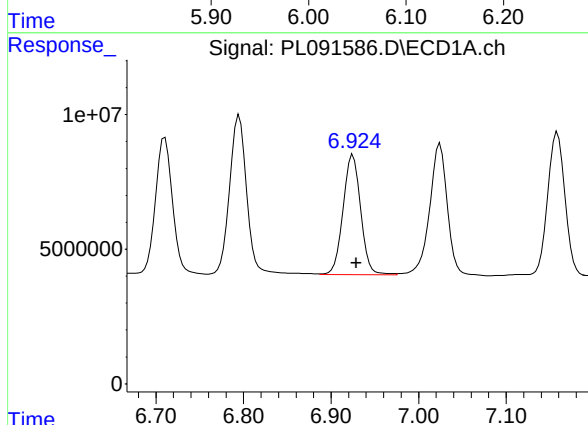
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



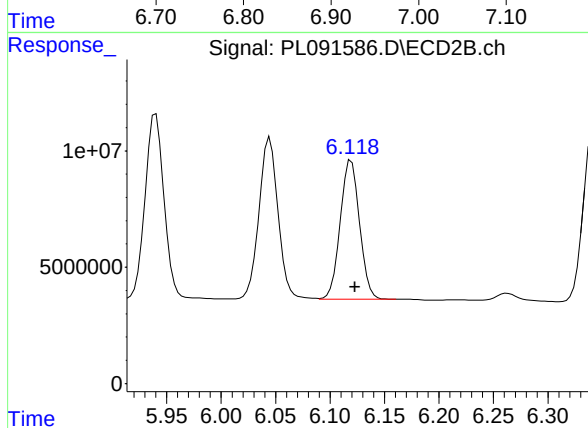
#17 4,4'-DDT

R.T.: 6.045 min  
Delta R.T.: -0.003 min  
Response: 84477178  
Conc: 52.58 ng/ml



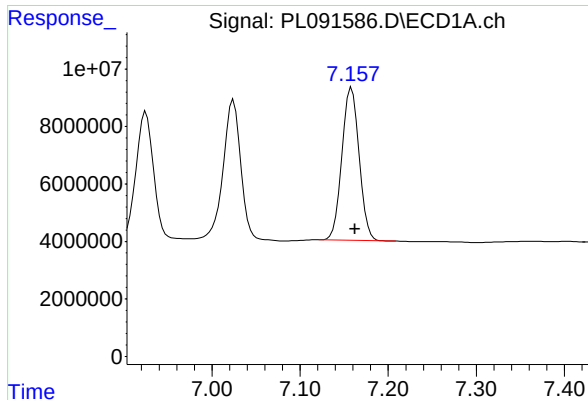
#18 Endrin aldehyde

R.T.: 6.925 min  
Delta R.T.: -0.004 min  
Response: 62263377  
Conc: 52.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.119 min  
Delta R.T.: -0.003 min  
Response: 73286023  
Conc: 53.61 ng/ml



#19 Endosulfan Sulfate

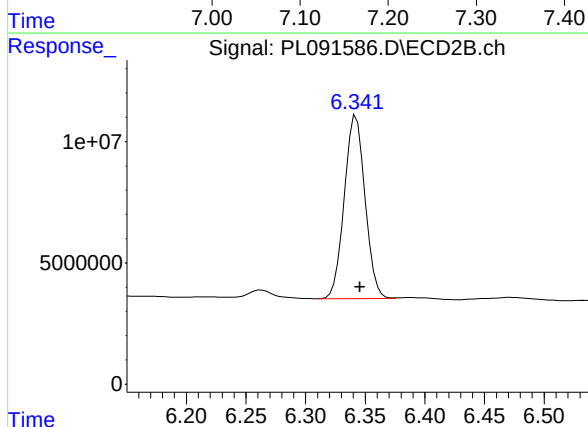
R.T.: 7.159 min  
Delta R.T.: -0.004 min  
Response: 72181665  
Conc: 51.69 ng/ml

ICAL Form

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

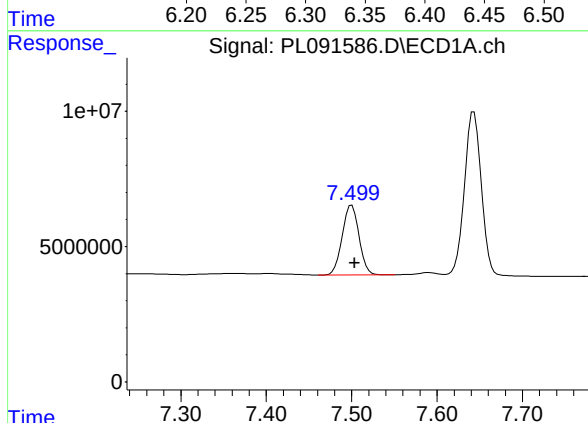
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



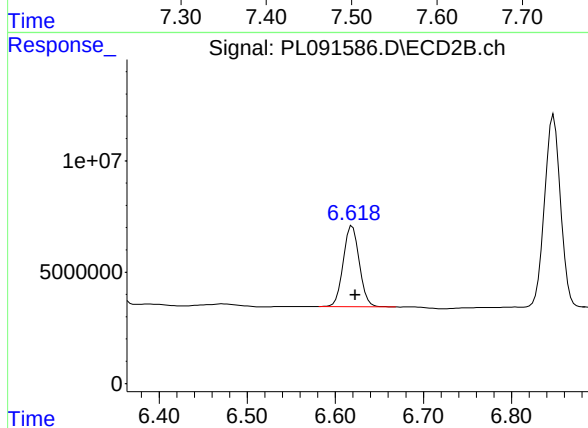
#19 Endosulfan Sulfate

R.T.: 6.342 min  
Delta R.T.: -0.003 min  
Response: 91353706  
Conc: 53.23 ng/ml



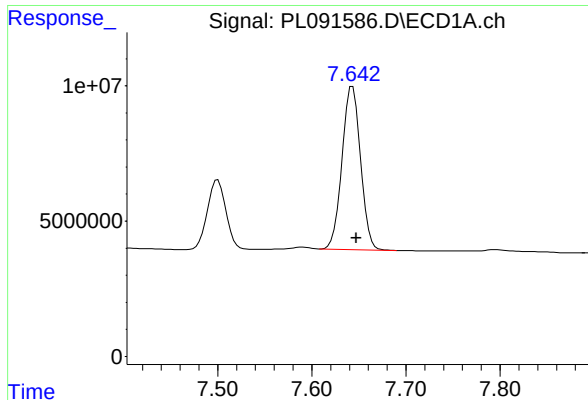
#20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: -0.003 min  
Response: 35218581  
Conc: 52.06 ng/ml



#20 Methoxychlor

R.T.: 6.619 min  
Delta R.T.: -0.003 min  
Response: 46080555  
Conc: 52.02 ng/ml



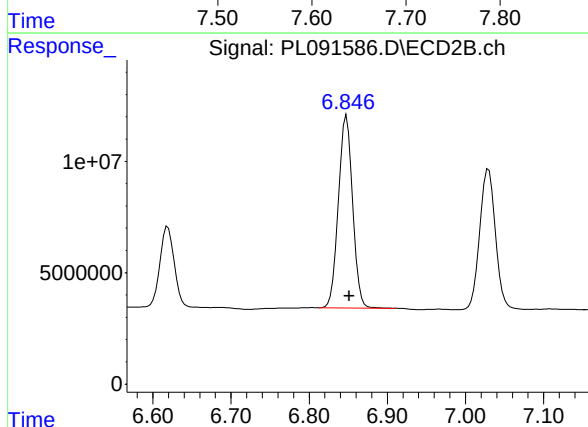
## #21 Endrin ketone

R.T.: 7.643 min  
Delta R.T.: -0.004 min  
Response: 82410693  
Conc: 53.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

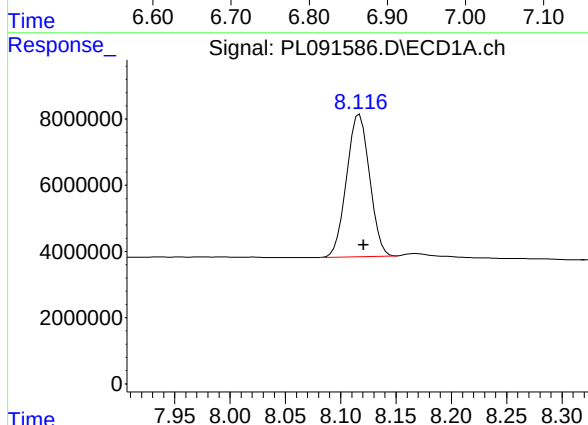
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



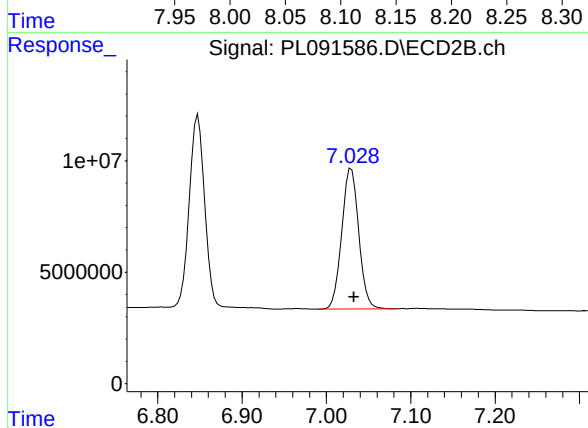
## #21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: -0.003 min  
Response: 109052634  
Conc: 54.22 ng/ml



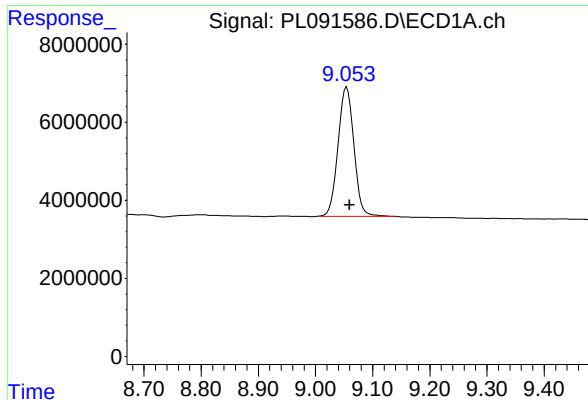
## #22 Mirex

R.T.: 8.117 min  
Delta R.T.: -0.004 min  
Response: 62421513  
Conc: 52.13 ng/ml



## #22 Mirex

R.T.: 7.030 min  
Delta R.T.: -0.003 min  
Response: 88119120  
Conc: 49.69 ng/ml



#28 Decachlorobiphenyl

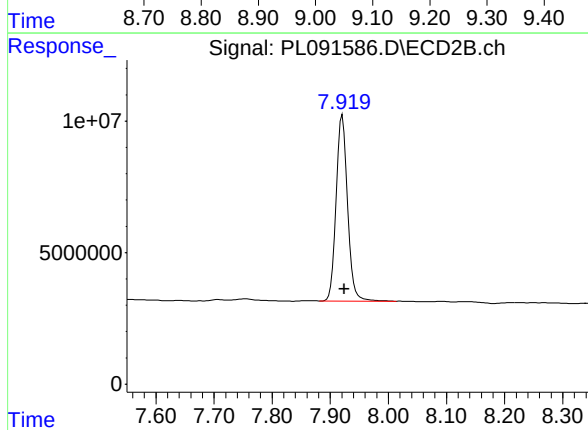
ICAL Form

R.T.: 9.055 min  
Delta R.T.: -0.006 min  
Response: 63781159  
Conc: 52.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.921 min  
Delta R.T.: -0.004 min  
Response: 97277745  
Conc: 52.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091587.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 19:10  
 Operator : AR\AJ  
 Sample : PCHLORICV500  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL090924

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 19:24:12 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:23:02 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.781 | 82136840 | 123.4E6  | 54.067  | 55.643  |
| 28) SA Decachlor...         | 9.053 | 7.921 | 63278192 | 98168492 | 52.500  | 52.286  |
| Target Compounds            |       |       |          |          |         |         |
| 23) Chlordane-1             | 4.703 | 3.780 | 33873423 | 36368107 | 543.923 | 522.795 |
| 24) Chlordane-2             | 5.233 | 4.356 | 39026737 | 38911481 | 507.617 | 519.155 |
| 25) Chlordane-3             | 5.942 | 4.987 | 113.7E6  | 118.2E6  | 442.444 | 506.829 |
| 26) Chlordane-4             | 6.024 | 5.050 | 154.1E6  | 112.6E6  | 520.321 | 540.049 |
| 27) Chlordane-5             | 6.873 | 5.945 | 30416372 | 37732567 | 532.898 | 526.546 |
| -----                       |       |       |          |          |         |         |

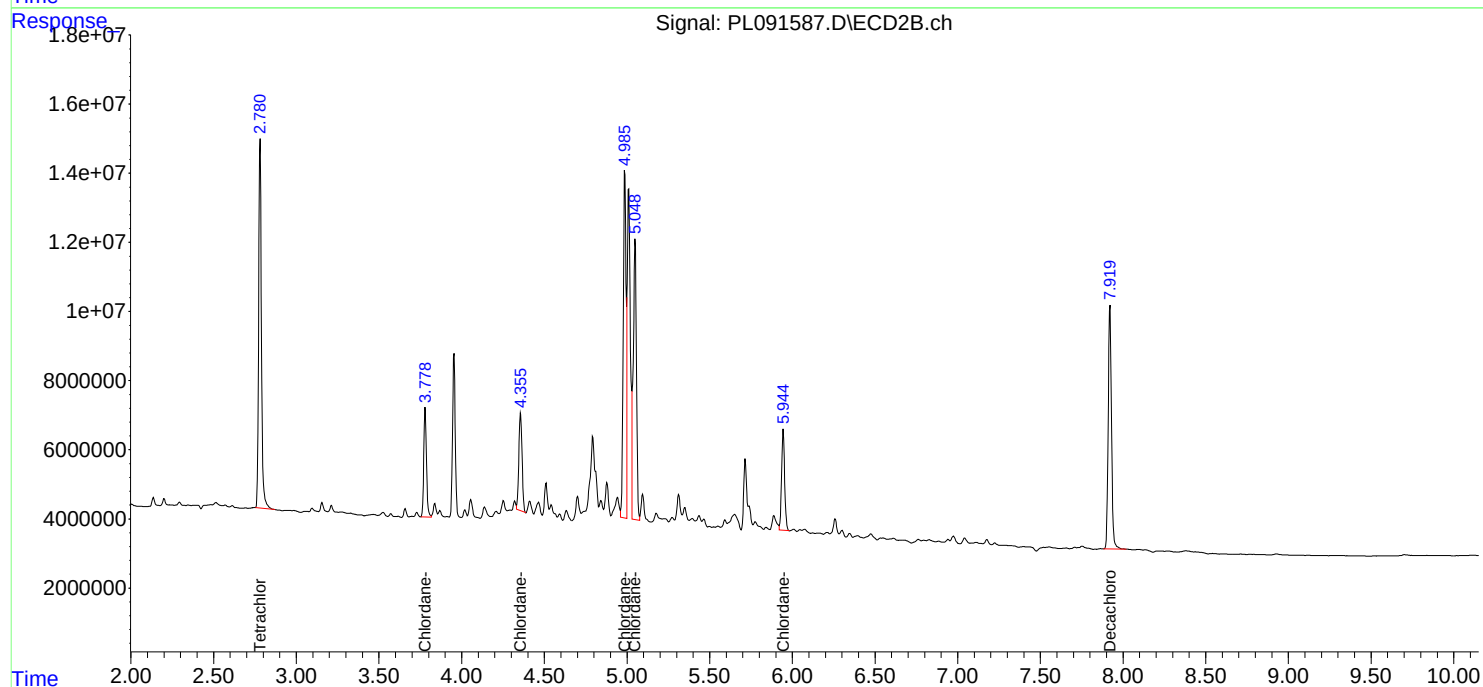
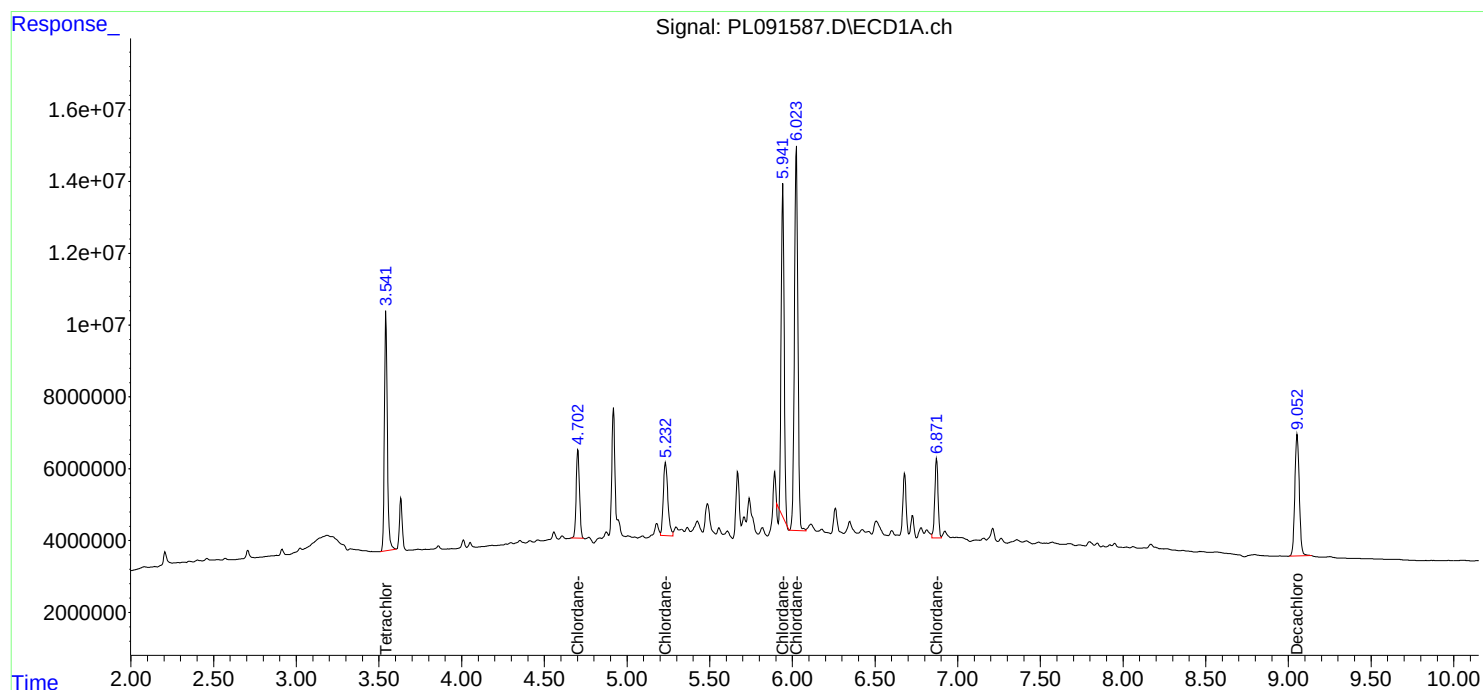
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

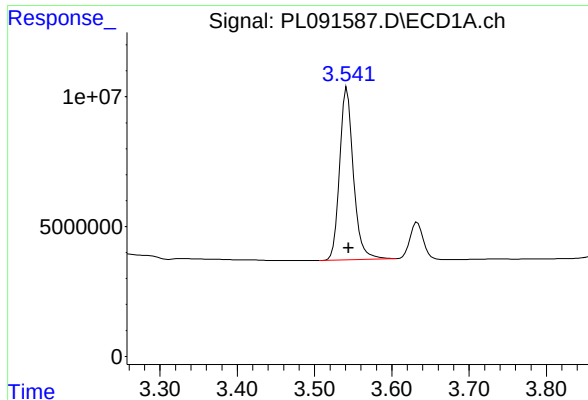
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091587.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 19:10  
Operator : AR\AJ  
Sample : PCHLORICV500  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 19:24:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:23:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

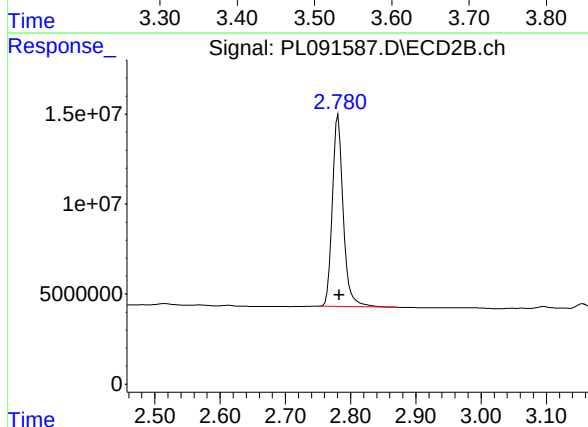




## #1 Tetrachloro-m-xylene

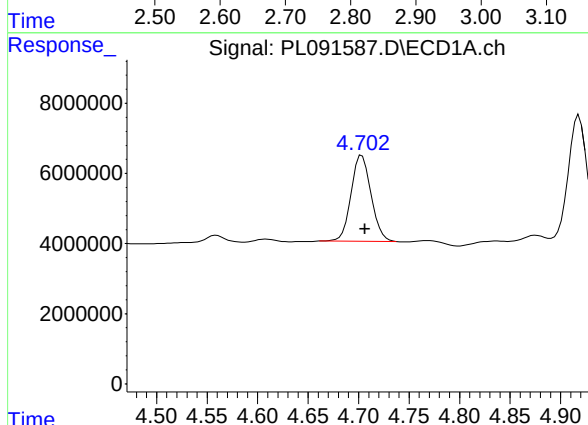
R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 82136840  
Conc: 54.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924



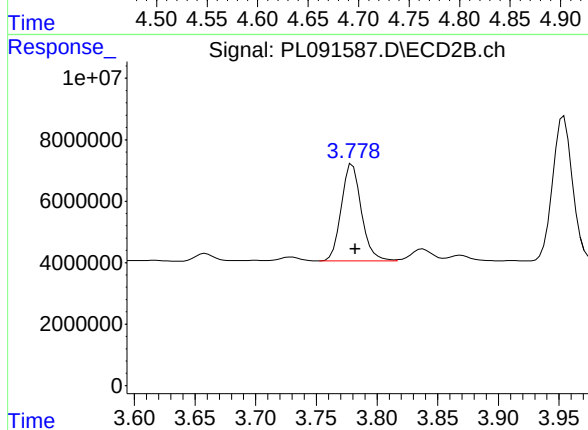
## #1 Tetrachloro-m-xylene

R.T.: 2.781 min  
Delta R.T.: -0.002 min  
Response: 123412200  
Conc: 55.64 ng/ml



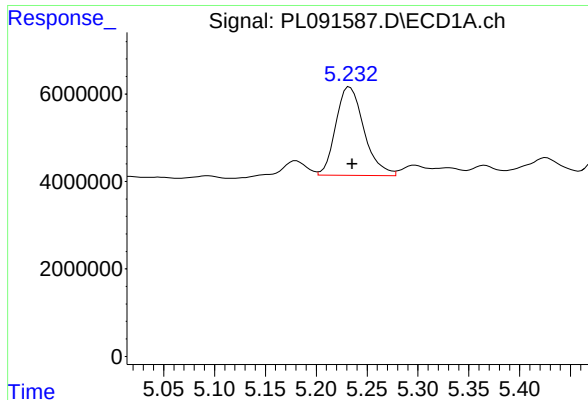
## #23 Chlordane-1

R.T.: 4.703 min  
Delta R.T.: -0.003 min  
Response: 33873423  
Conc: 543.92 ng/ml



## #23 Chlordane-1

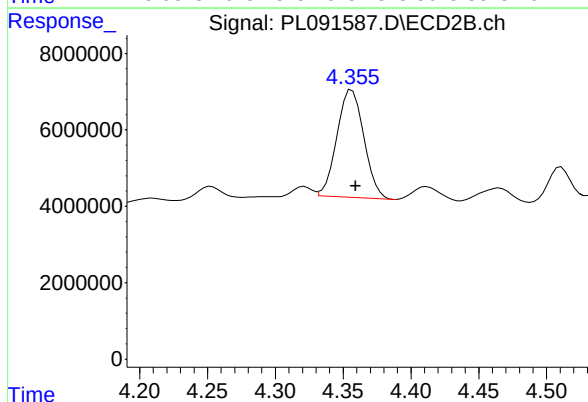
R.T.: 3.780 min  
Delta R.T.: -0.002 min  
Response: 36368107  
Conc: 522.79 ng/ml



#24 Chlordane-2

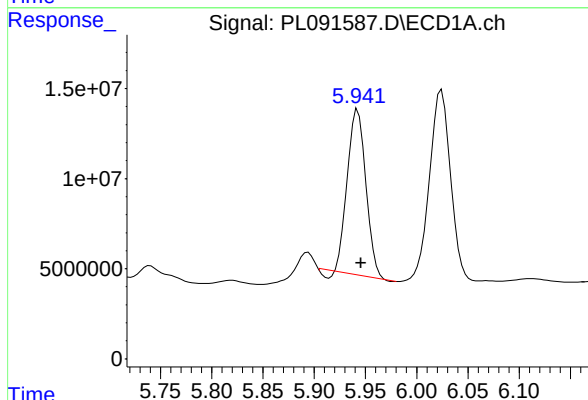
R.T.: 5.233 min  
Delta R.T.: -0.003 min  
Response: 39026737  
Conc: 507.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924



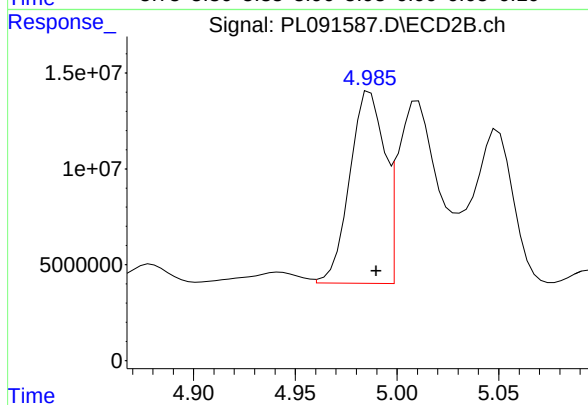
#24 Chlordane-2

R.T.: 4.356 min  
Delta R.T.: -0.003 min  
Response: 38911481  
Conc: 519.15 ng/ml



#25 Chlordane-3

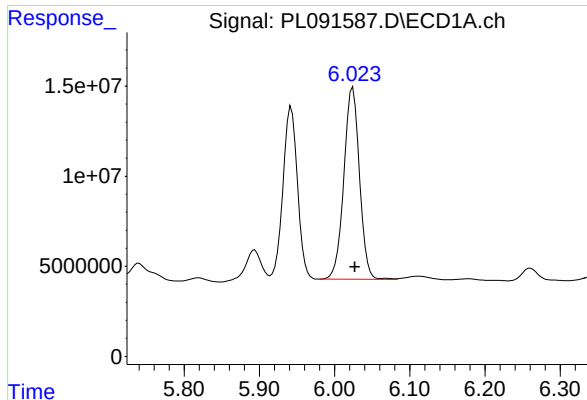
R.T.: 5.942 min  
Delta R.T.: -0.003 min  
Response: 113663559  
Conc: 442.44 ng/ml



#25 Chlordane-3

R.T.: 4.987 min  
Delta R.T.: -0.003 min  
Response: 118162680  
Conc: 506.83 ng/ml





#26 Chlordane-4

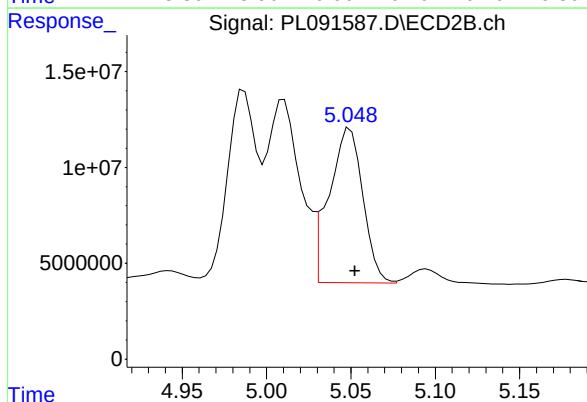
R.T.: 6.024 min  
Delta R.T.: -0.003 min  
Response: 154096333  
Conc: 520.32 ng/ml

Instrument :

ECD\_L

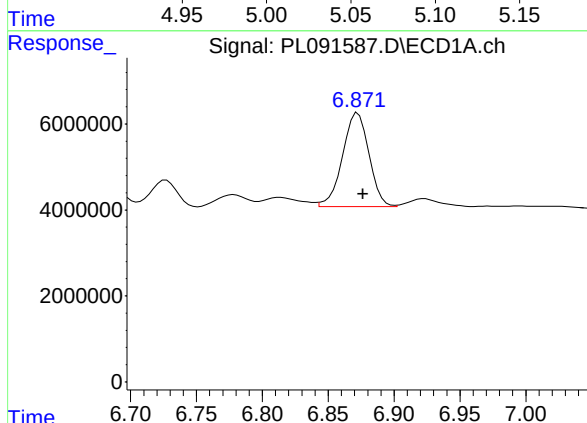
ClientSampleId :

ICVPL090924



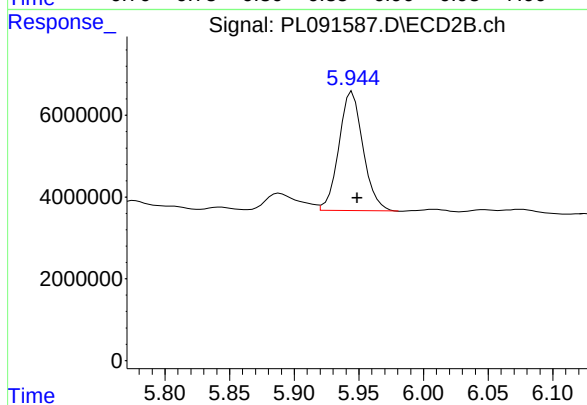
#26 Chlordane-4

R.T.: 5.050 min  
Delta R.T.: -0.003 min  
Response: 112618104  
Conc: 540.05 ng/ml



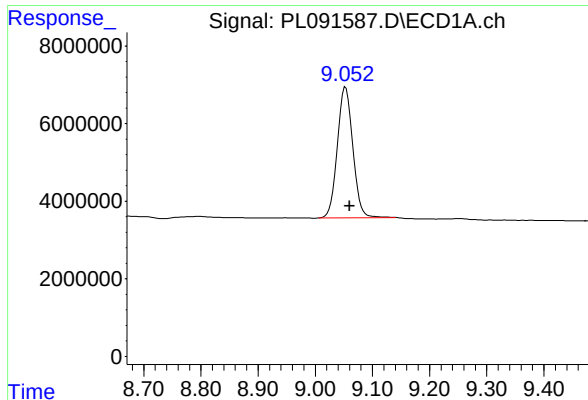
#27 Chlordane-5

R.T.: 6.873 min  
Delta R.T.: -0.004 min  
Response: 30416372  
Conc: 532.90 ng/ml



#27 Chlordane-5

R.T.: 5.945 min  
Delta R.T.: -0.004 min  
Response: 37732567  
Conc: 526.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min

Delta R.T.: -0.008 min

Response: 63278192

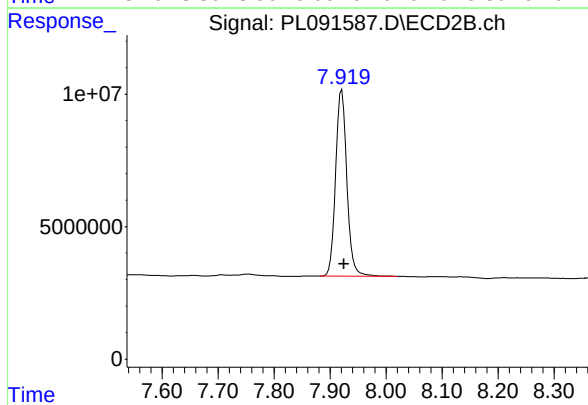
Conc: 52.50 ng/ml

Instrument :

ECD\_L

ClientSampleId :

ICVPL090924



#28 Decachlorobiphenyl

R.T.: 7.921 min

Delta R.T.: -0.004 min

Response: 98168492

Conc: 52.29 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091588.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 19:23  
 Operator : AR\AJ  
 Sample : PTOXICV500  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL090924

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 11 13:04:37 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX090924.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Sep 11 13:03:02 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.781 | 81020096 | 100.8E6  | 49.644  | 49.839  |
| 7) SA Decachlor...          | 9.055 | 7.921 | 61911090 | 93711768 | 49.105  | 49.845  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.239 | 5.010 | 4822139  | 6699930  | 503.453 | 508.347 |
| 3) Toxaphene-2              | 6.442 | 5.335 | 4585337  | 6047886  | 514.212 | 476.970 |
| 4) Toxaphene-3              | 7.059 | 6.609 | 23300011 | 20368300 | 504.045 | 486.975 |
| 5) Toxaphene-4              | 7.149 | 6.738 | 18798548 | 27164838 | 483.789 | 491.997 |
| 6) Toxaphene-5              | 7.935 | 7.049 | 13663210 | 22202697 | 492.416 | 467.265 |
| -----                       |       |       |          |          |         |         |

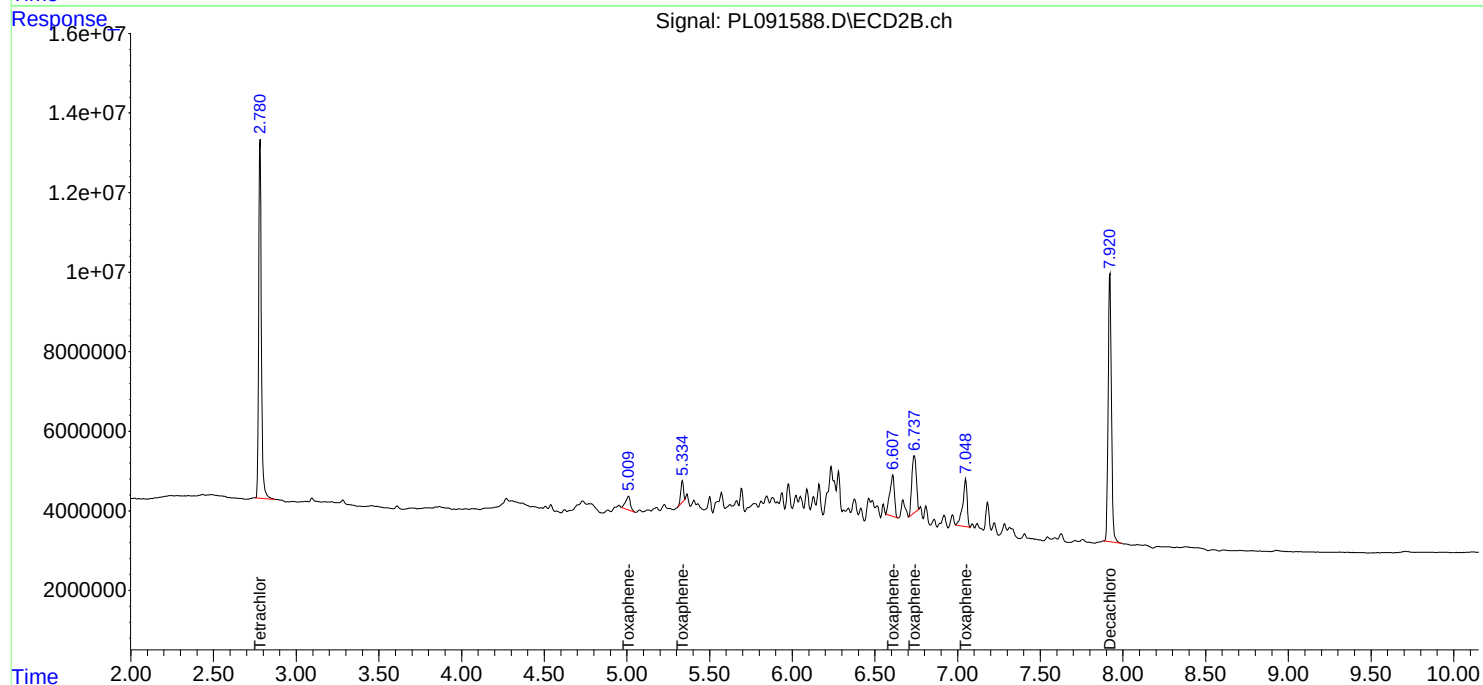
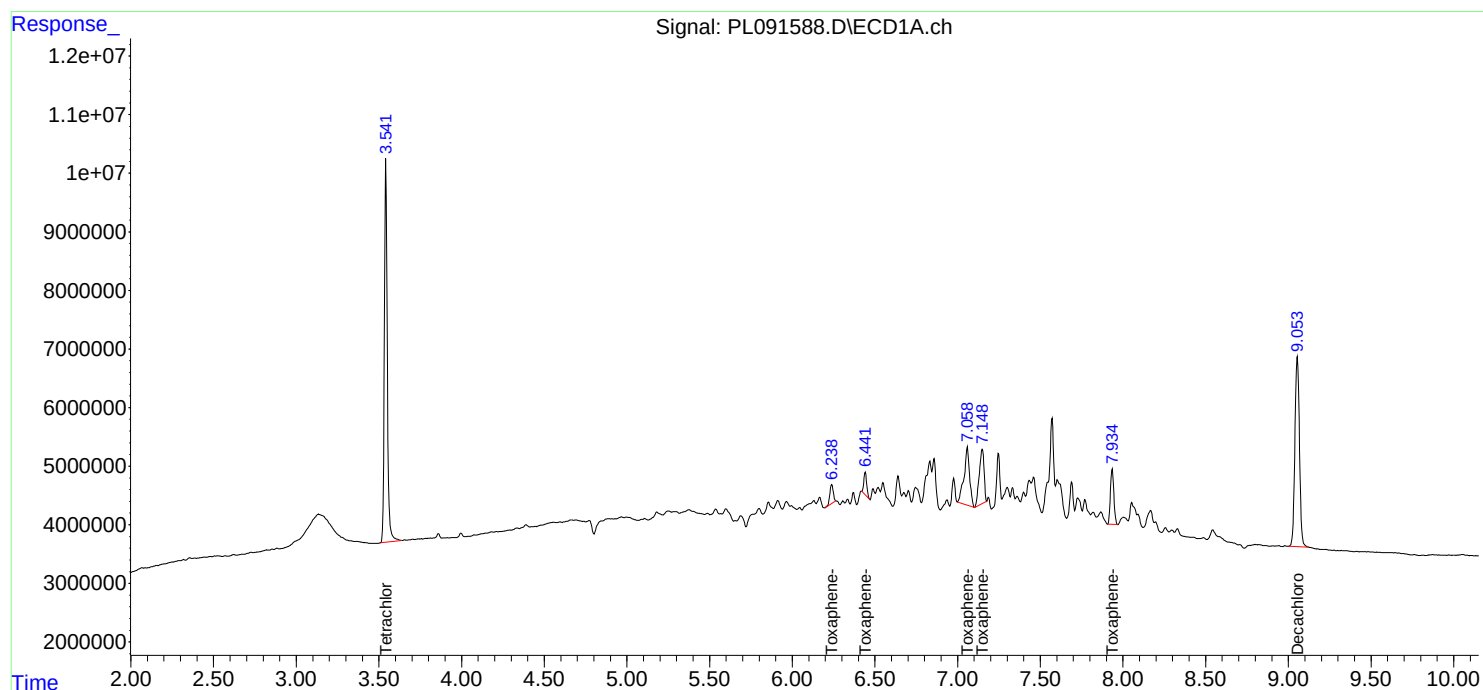
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

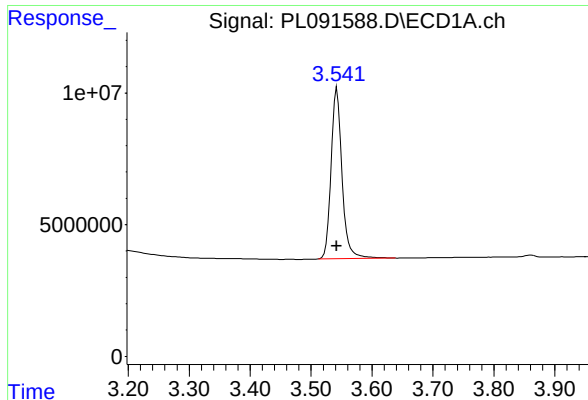
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091588.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 19:23  
Operator : AR\AJ  
Sample : PTOXICV500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 11 13:04:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX090924.M  
Quant Title : GC Extractables  
QLast Update : Wed Sep 11 13:03:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

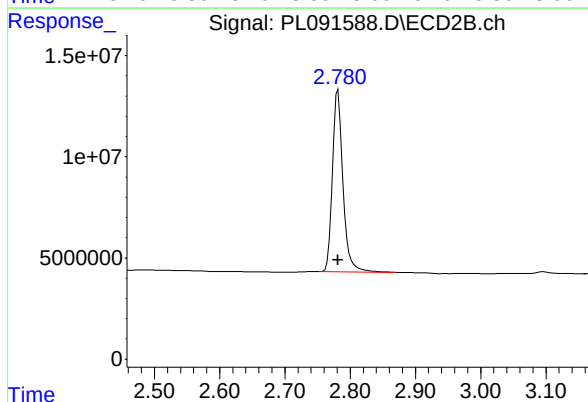




## #1 Tetrachloro-m-xylene

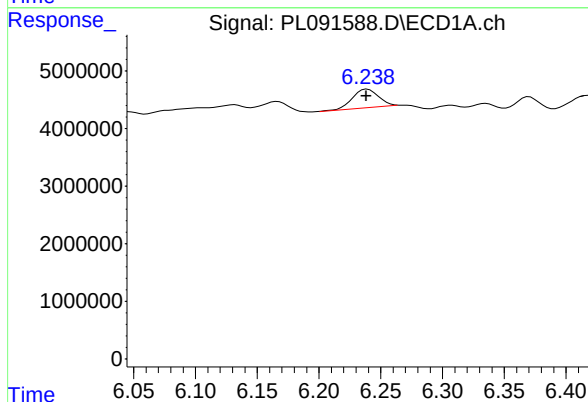
R.T.: 3.542 min  
Delta R.T.: 0.000 min  
Response: 81020096  
Conc: 49.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924



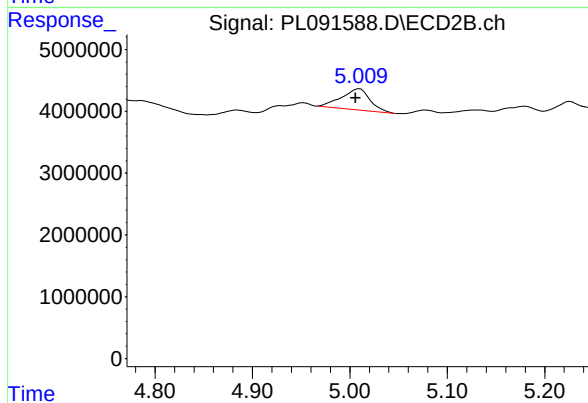
## #1 Tetrachloro-m-xylene

R.T.: 2.781 min  
Delta R.T.: 0.000 min  
Response: 100758658  
Conc: 49.84 ng/ml



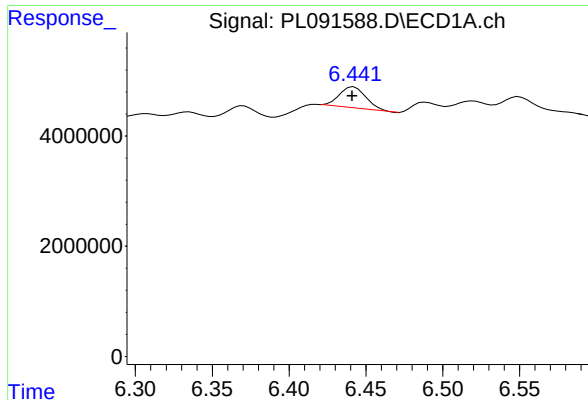
## #2 Toxaphene-1

R.T.: 6.239 min  
Delta R.T.: 0.000 min  
Response: 4822139  
Conc: 503.45 ng/ml



## #2 Toxaphene-1

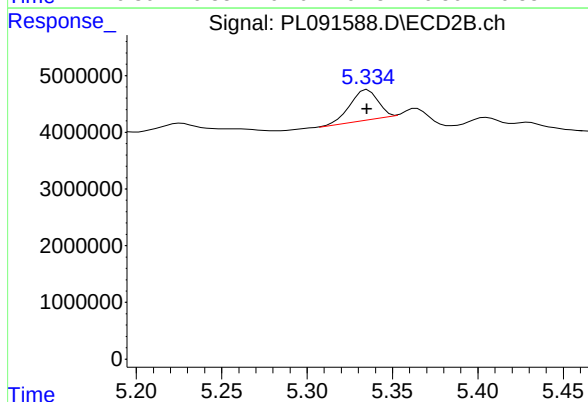
R.T.: 5.010 min  
Delta R.T.: 0.004 min  
Response: 6699930  
Conc: 508.35 ng/ml



## #3 Toxaphene-2

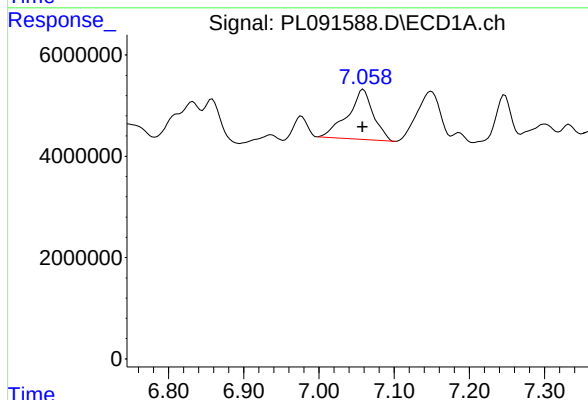
R.T.: 6.442 min  
Delta R.T.: 0.000 min  
Response: 4585337  
Conc: 514.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924



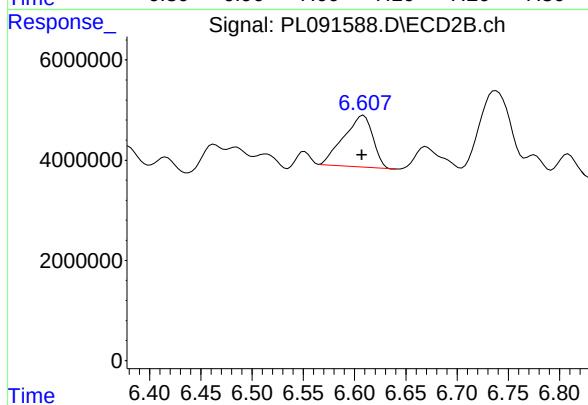
## #3 Toxaphene-2

R.T.: 5.335 min  
Delta R.T.: 0.000 min  
Response: 6047886  
Conc: 476.97 ng/ml



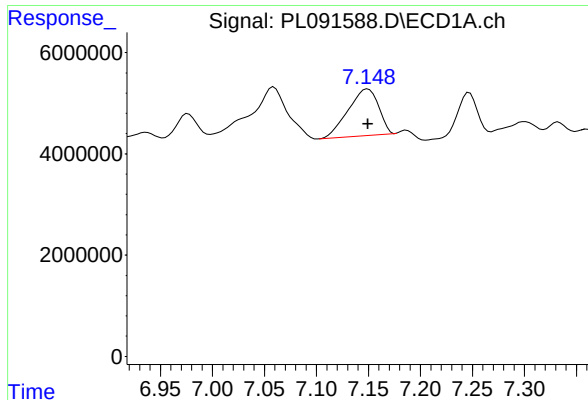
## #4 Toxaphene-3

R.T.: 7.059 min  
Delta R.T.: 0.001 min  
Response: 23300011  
Conc: 504.04 ng/ml



## #4 Toxaphene-3

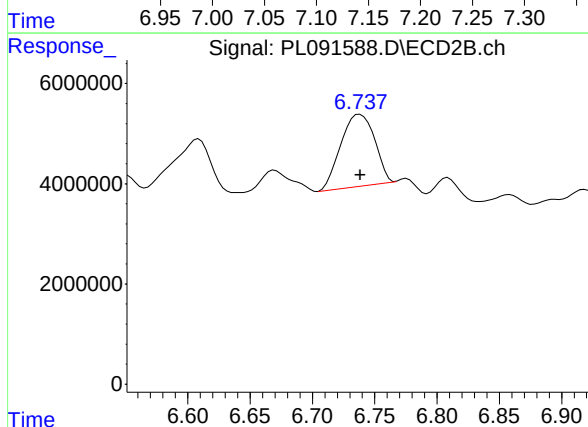
R.T.: 6.609 min  
Delta R.T.: 0.002 min  
Response: 20368300  
Conc: 486.97 ng/ml



#5 Toxaphene-4

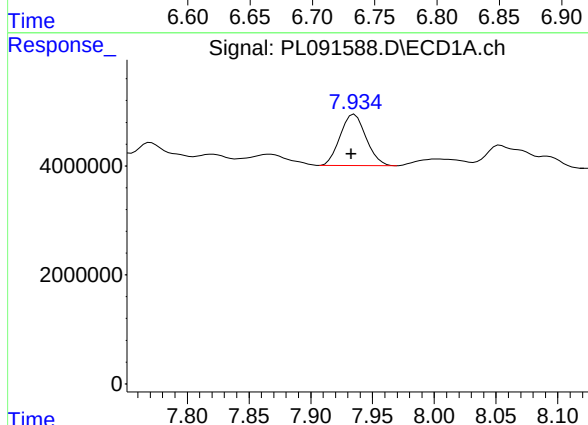
R.T.: 7.149 min  
Delta R.T.: 0.000 min  
Response: 18798548  
Conc: 483.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924



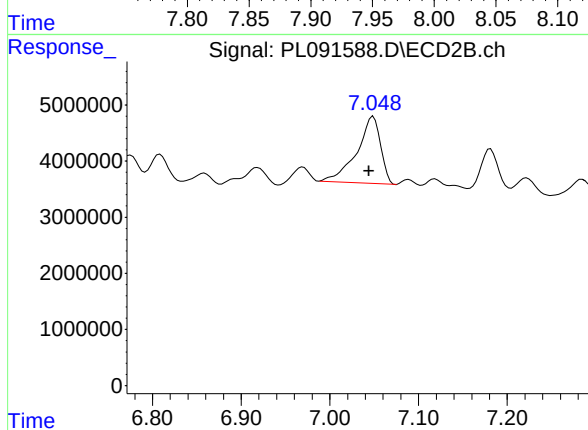
#5 Toxaphene-4

R.T.: 6.738 min  
Delta R.T.: 0.000 min  
Response: 27164838  
Conc: 492.00 ng/ml



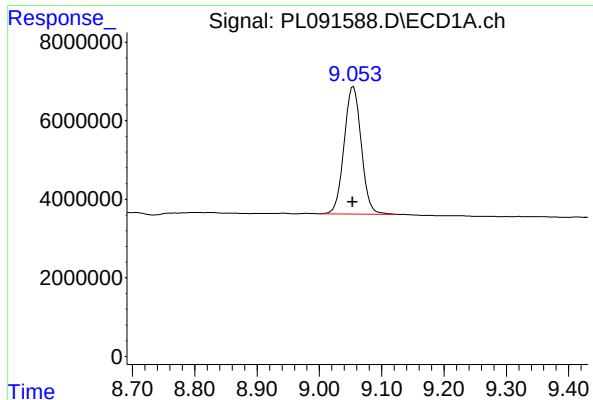
#6 Toxaphene-5

R.T.: 7.935 min  
Delta R.T.: 0.002 min  
Response: 13663210  
Conc: 492.42 ng/ml



#6 Toxaphene-5

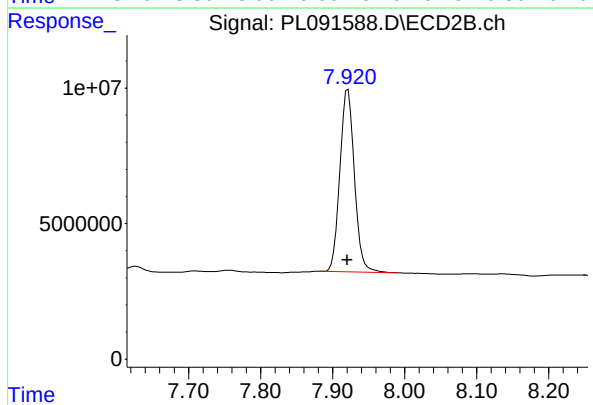
R.T.: 7.049 min  
Delta R.T.: 0.005 min  
Response: 22202697  
Conc: 467.26 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.055 min  
Delta R.T.: 0.001 min  
Response: 61911090  
Conc: 49.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL090924



#7 Decachlorobiphenyl

R.T.: 7.921 min  
Delta R.T.: 0.001 min  
Response: 93711768  
Conc: 49.84 ng/ml



**Calibration Times:** 11:32 12:26

|              |          |                   |          |                   |
|--------------|----------|-------------------|----------|-------------------|
| LAB FILE ID: | RT 100 = | <u>PL091956.D</u> | RT 075 = | <u>PL091957.D</u> |
|              | RT 050 = | PL091958.D        | RT 025 = | PL091959.D        |
|              |          |                   | RT 005 = | PL091960.D        |

[illegible]

**Calibration Times:** 11:32 12:26

|              |          |                   |          |                   |
|--------------|----------|-------------------|----------|-------------------|
| LAB FILE ID: | RT 100 = | <u>PL091956.D</u> | RT 075 = | <u>PL091957.D</u> |
|              | RT 050 = | PL091958.D        | RT 025 = | PL091959.D        |
|              |          |                   | RT 005 = | PL091960.D        |

[illegible]

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CHEM02  
**Lab Code:** CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845  
**Instrument ID:** ECD\_L  
**Calibration Date(s):** 09/23/2024 09/23/2024  
**Calibration Times:** 11:32 12:26  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL091956.D</u> |            | <b>CF 075 =</b> <u>PL091957.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL091958.D</u> |            | <b>CF 025 =</b> <u>PL091959.D</u> |            | <b>CF 005 =</b> <u>PL091960.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 1653520000 | 1647210000                        | 1678500000 | 1744800000                        | 2254540000 | 1795720000 | 14    |
| 4,4'-DDE                          | 2066570000 | 2045910000                        | 2071830000 | 2104470000                        | 2533330000 | 2164420000 | 10    |
| 4,4'-DDT                          | 1733900000 | 1735380000                        | 1754170000 | 1804510000                        | 2178050000 | 1841200000 | 10    |
| Aldrin                            | 2641050000 | 2607180000                        | 2641830000 | 2690200000                        | 3307680000 | 2777590000 | 11    |
| alpha-BHC                         | 3076620000 | 3010330000                        | 2985720000 | 2963000000                        | 3446930000 | 3096520000 | 6     |
| alpha-Chlordane                   | 2305920000 | 2301860000                        | 2353960000 | 2423920000                        | 2931020000 | 2463340000 | 11    |
| beta-BHC                          | 1233660000 | 1235340000                        | 1269540000 | 1303030000                        | 1590300000 | 1326380000 | 11    |
| Decachlorobiphenyl                | 1514180000 | 1546290000                        | 1590790000 | 1642930000                        | 1896960000 | 1638230000 | 9     |
| delta-BHC                         | 2841210000 | 2757590000                        | 2778760000 | 2797400000                        | 3246070000 | 2884210000 | 7     |
| Dieldrin                          | 2300240000 | 2292130000                        | 2329590000 | 2380410000                        | 2891930000 | 2438860000 | 10    |
| Endosulfan I                      | 2149020000 | 2152500000                        | 2207300000 | 2283480000                        | 2774700000 | 2313400000 | 11    |
| Endosulfan II                     | 1992660000 | 2006240000                        | 2063200000 | 2160930000                        | 2775610000 | 2199730000 | 15    |
| Endosulfan sulfate                | 1820440000 | 1836620000                        | 1889410000 | 1967750000                        | 2397160000 | 1982280000 | 12    |
| Endrin                            | 1940880000 | 1934170000                        | 1971650000 | 2016300000                        | 2440480000 | 2060700000 | 10    |
| Endrin aldehyde                   | 1583540000 | 1604430000                        | 1647320000 | 1720460000                        | 2158080000 | 1742760000 | 14    |
| Endrin ketone                     | 2055570000 | 2058040000                        | 2104700000 | 2152580000                        | 2616930000 | 2197560000 | 11    |
| gamma-BHC (Lindane)               | 2990410000 | 2948600000                        | 2949110000 | 2954630000                        | 3651280000 | 3098800000 | 10    |
| gamma-Chlordane                   | 2323480000 | 2305690000                        | 2357460000 | 2423400000                        | 2945970000 | 2471200000 | 11    |
| Heptachlor                        | 2590450000 | 2581810000                        | 2624270000 | 2731930000                        | 3298830000 | 2765460000 | 11    |
| Heptachlor epoxide                | 2355250000 | 2419410000                        | 2410600000 | 2493740000                        | 3045980000 | 2544990000 | 11    |
| Methoxychlor                      | 913738000  | 926950000                         | 954169000  | 973623000                         | 1140080000 | 981712000  | 9     |
| Tetrachloro-m-xylene              | 2128490000 | 2125270000                        | 2145440000 | 2197480000                        | 2526630000 | 2224660000 | 8     |



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

### CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Instrument ID: ECD\_L

Calibration Date(s): 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL091956.D</u> | CF 075 =          | <u>PL091957.D</u> |                   |          |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| CF 050 =             |            | <u>PL091958.D</u> | CF 025 =          | <u>PL091959.D</u> | CF 005 =          | <u>PL091960.D</u> |          |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | %<br>RSD |
| 4,4'-DDD             | 2268160000 | 2177660000        | 2139850000        | 1992930000        | 2102490000        | 2136220000        | 5        |
| 4,4'-DDE             | 2937140000 | 2821610000        | 2796600000        | 2614820000        | 2724050000        | 2778840000        | 4        |
| 4,4'-DDT             | 2455710000 | 2371160000        | 2329540000        | 2184000000        | 2225420000        | 2313160000        | 5        |
| Aldrin               | 3593290000 | 3455480000        | 3419630000        | 3175270000        | 3361830000        | 3401100000        | 4        |
| alpha-BHC            | 3937530000 | 3786440000        | 3690070000        | 3414870000        | 3387720000        | 3643320000        | 7        |
| alpha-Chlordane      | 3085390000 | 2983970000        | 2990310000        | 2841400000        | 3066630000        | 2993540000        | 3        |
| beta-BHC             | 1482940000 | 1448440000        | 1465850000        | 1419920000        | 1698340000        | 1503100000        | 7        |
| Decachlorobiphenyl   | 2374340000 | 2399600000        | 2428470000        | 2478660000        | 2828640000        | 2501940000        | 7        |
| delta-BHC            | 3726380000 | 3579670000        | 3509320000        | 3229840000        | 3313260000        | 3471690000        | 6        |
| Dieldrin             | 3085830000 | 2978040000        | 2947180000        | 2759020000        | 2889140000        | 2931840000        | 4        |
| Endosulfan I         | 2816250000 | 2735830000        | 2741360000        | 2613670000        | 2816080000        | 2744640000        | 3        |
| Endosulfan II        | 2561230000 | 2497720000        | 2506550000        | 2398770000        | 2547770000        | 2502410000        | 3        |
| Endosulfan sulfate   | 2442810000 | 2382500000        | 2402520000        | 2314600000        | 2520170000        | 2412520000        | 3        |
| Endrin               | 2724440000 | 2642180000        | 2624570000        | 2477520000        | 2642190000        | 2622180000        | 3        |
| Endrin aldehyde      | 2035320000 | 2004480000        | 2019970000        | 1971180000        | 2172650000        | 2040720000        | 4        |
| Endrin ketone        | 2811580000 | 2766230000        | 2778840000        | 2679690000        | 2808370000        | 2768950000        | 2        |
| gamma-BHC (Lindane)  | 3775710000 | 3629090000        | 3577820000        | 3312530000        | 3359720000        | 3530980000        | 5        |
| gamma-Chlordane      | 3135810000 | 3020590000        | 3008060000        | 2840920000        | 3037500000        | 3008580000        | 4        |
| Heptachlor           | 3553790000 | 3434350000        | 3431490000        | 3238430000        | 3595010000        | 3450610000        | 4        |
| Heptachlor epoxide   | 3090900000 | 2996730000        | 3012410000        | 2873000000        | 3141390000        | 3022890000        | 3        |
| Methoxychlor         | 1228030000 | 1222750000        | 1234080000        | 1223180000        | 1343690000        | 1250350000        | 4        |
| Tetrachloro-m-xylene | 2544530000 | 2497760000        | 2476670000        | 2384990000        | 2636430000        | 2508080000        | 4        |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091956.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 11:32  
 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: Sep 23 12:39:20 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 12:36:16 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 212.8E6  | 254.5E6 | 99.603  | 101.351 |
| 28) SA Decachlor...         | 9.060 | 7.923 | 151.4E6  | 237.4E6 | 97.533  | 98.873  |
| Target Compounds            |       |       |          |         |         |         |
| 2) A alpha-BHC              | 4.000 | 3.286 | 307.7E6  | 393.8E6 | 101.499 | 103.244 |
| 3) MA gamma-BHC...          | 4.332 | 3.616 | 299.0E6  | 377.6E6 | 100.695 | 102.691 |
| 4) MA Heptachlor            | 4.921 | 3.955 | 259.0E6  | 355.4E6 | 99.351  | 101.751 |
| 5) MB Aldrin                | 5.263 | 4.236 | 264.1E6  | 359.3E6 | 99.985  | 102.476 |
| 6) B beta-BHC               | 4.529 | 3.915 | 123.4E6  | 148.3E6 | 98.567  | 100.580 |
| 7) B delta-BHC              | 4.777 | 4.145 | 284.1E6  | 372.6E6 | 101.111 | 103.000 |
| 8) B Heptachlo...           | 5.689 | 4.738 | 235.5E6  | 309.1E6 | 98.839  | 101.286 |
| 9) A Endosulfan I           | 6.074 | 5.108 | 214.9E6  | 281.6E6 | 98.662  | 101.348 |
| 10) B gamma-Chl...          | 5.945 | 4.989 | 232.3E6  | 313.6E6 | 99.274  | 102.079 |
| 11) B alpha-Chl...          | 6.024 | 5.052 | 230.6E6  | 308.5E6 | 98.969  | 101.565 |
| 12) B 4,4'-DDE              | 6.197 | 5.241 | 206.7E6  | 293.7E6 | 99.873  | 102.451 |
| 13) MA Dieldrin             | 6.350 | 5.373 | 230.0E6  | 308.6E6 | 99.366  | 102.298 |
| 14) MA Endrin               | 6.579 | 5.648 | 194.1E6  | 272.4E6 | 99.214  | 101.867 |
| 15) B Endosulfa...          | 6.799 | 5.942 | 199.3E6  | 256.1E6 | 98.261  | 101.079 |
| 16) A 4,4'-DDD              | 6.714 | 5.796 | 165.4E6  | 226.8E6 | 99.250  | 102.911 |
| 17) MA 4,4'-DDT             | 7.028 | 6.046 | 173.4E6  | 245.6E6 | 99.419  | 102.637 |
| 18) B Endrin al...          | 6.929 | 6.122 | 158.4E6  | 203.5E6 | 98.026  | 100.378 |
| 19) B Endosulfa...          | 7.163 | 6.345 | 182.0E6  | 244.3E6 | 98.141  | 100.831 |
| 20) A Methoxychlor          | 7.503 | 6.622 | 91373843 | 122.8E6 | 97.836  | 99.754  |
| 21) B Endrin ke...          | 7.648 | 6.850 | 205.6E6  | 281.2E6 | 98.819  | 100.586 |
| 22) Mirex                   | 8.122 | 7.031 | 160.9E6  | 228.3E6 | 97.006  | 98.712  |

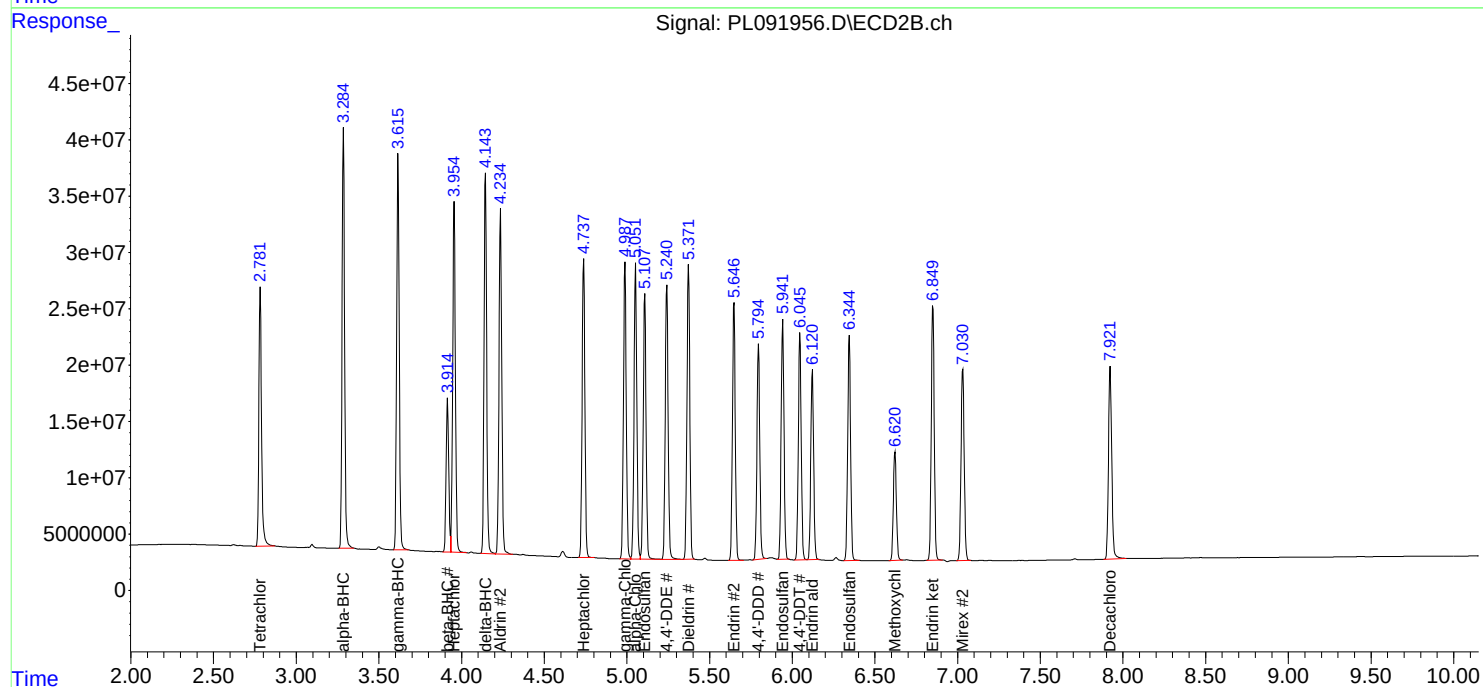
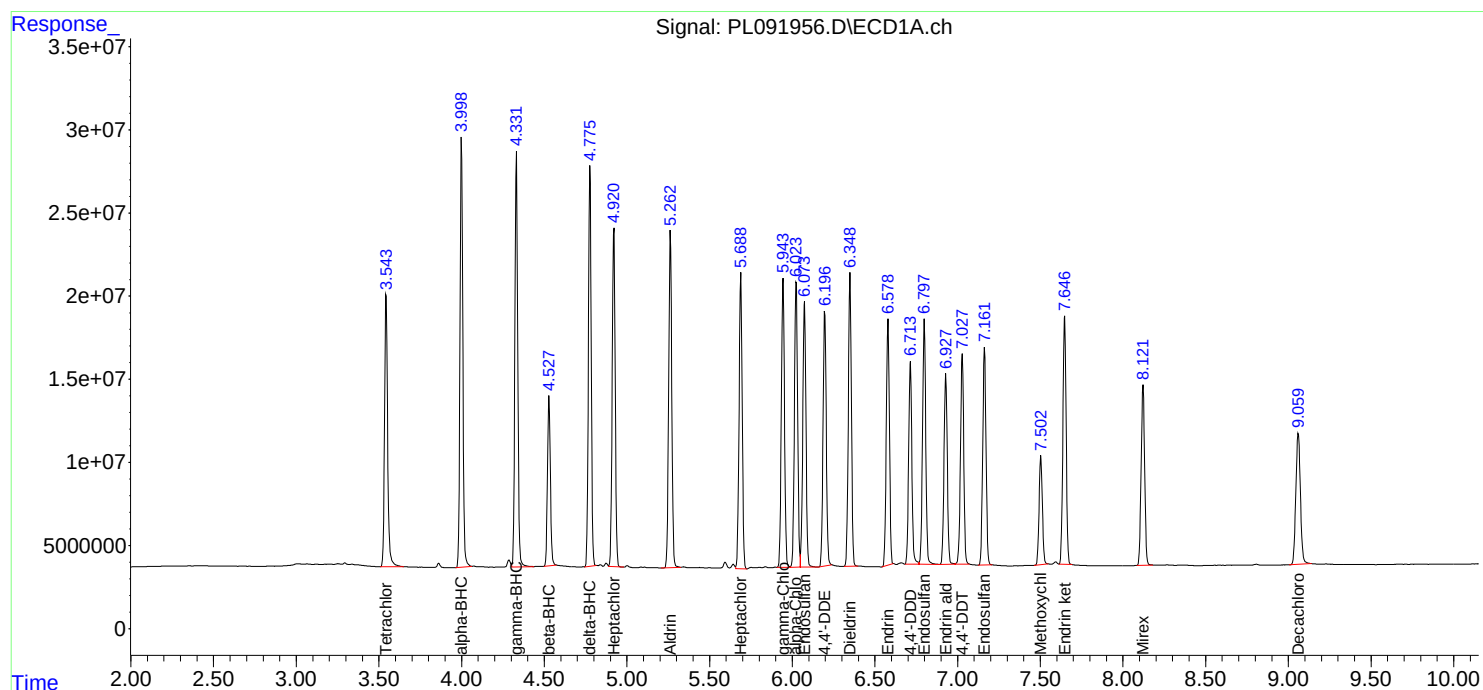
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

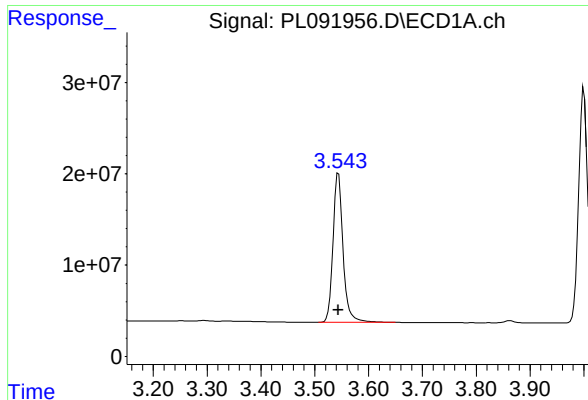
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091956.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 11:32  
Operator : AR\AJ  
Sample : PSTDICC100  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 12:39:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 12:36:16 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

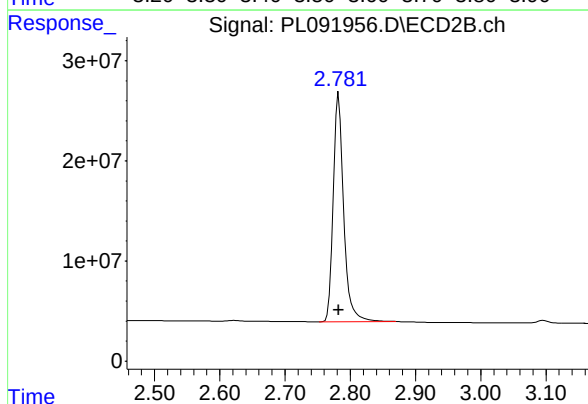




#1 Tetrachloro-m-xylene

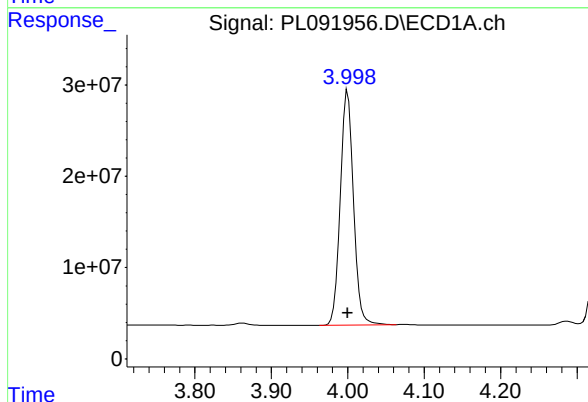
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 212848732  
Conc: 99.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



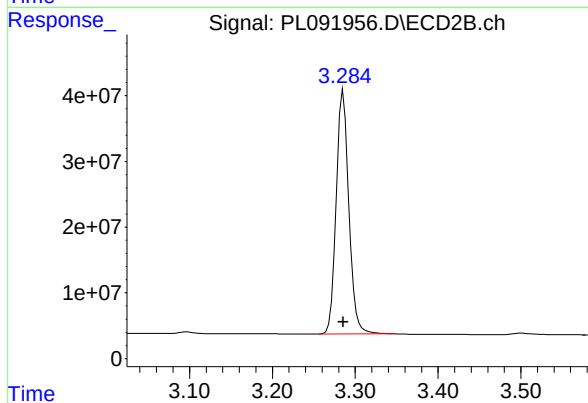
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 254453318  
Conc: 101.35 ng/ml



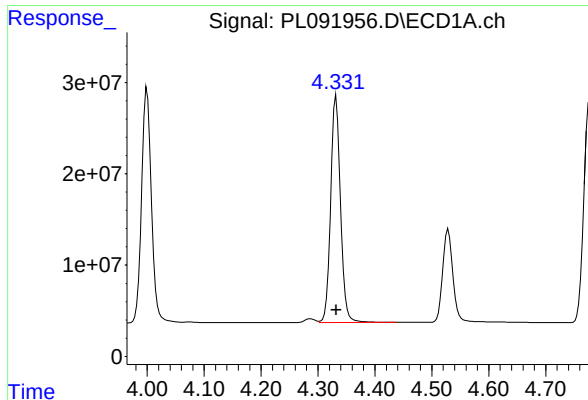
#2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 307661722  
Conc: 101.50 ng/ml



#2 alpha-BHC

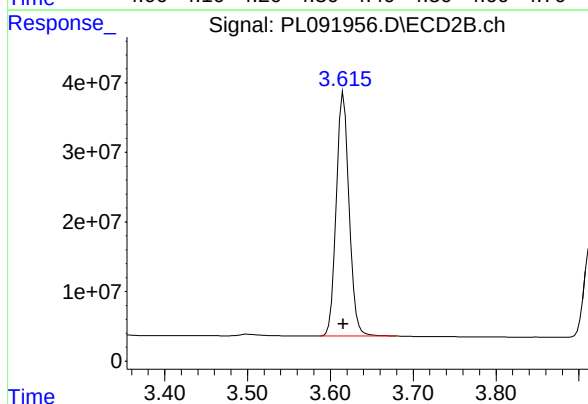
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 393753194  
Conc: 103.24 ng/ml



#3 gamma-BHC (Lindane)

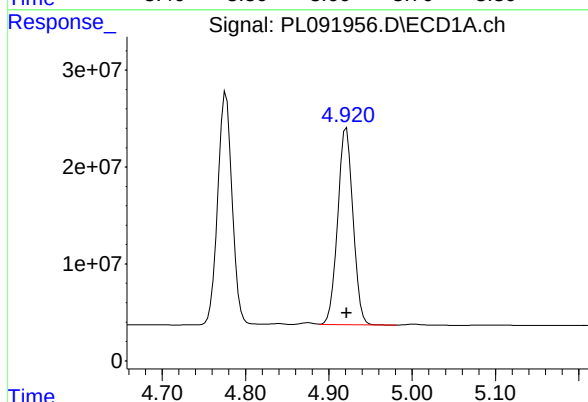
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 299041183  
Conc: 100.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



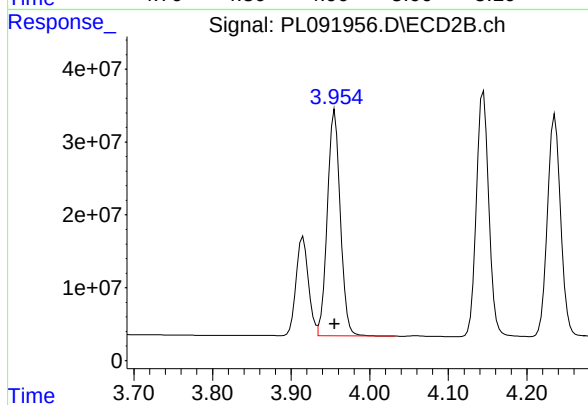
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 377571162  
Conc: 102.69 ng/ml



#4 Heptachlor

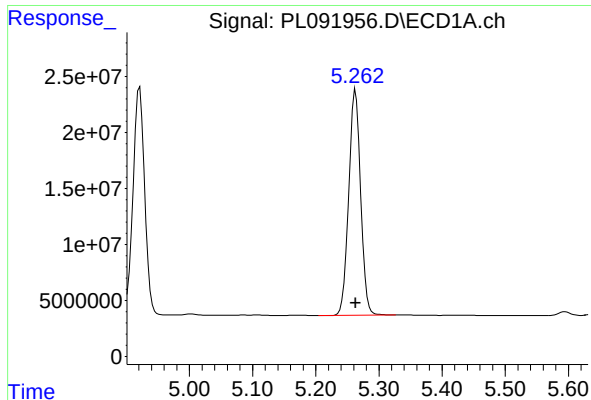
R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 259044815  
Conc: 99.35 ng/ml



#4 Heptachlor

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 355379054  
Conc: 101.75 ng/ml

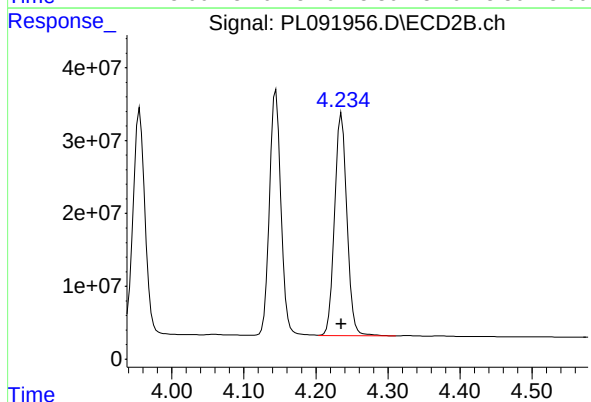




#5 Aldrin

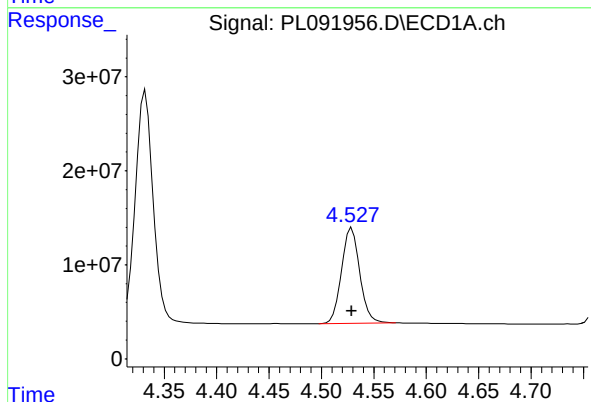
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 264105006  
Conc: 99.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



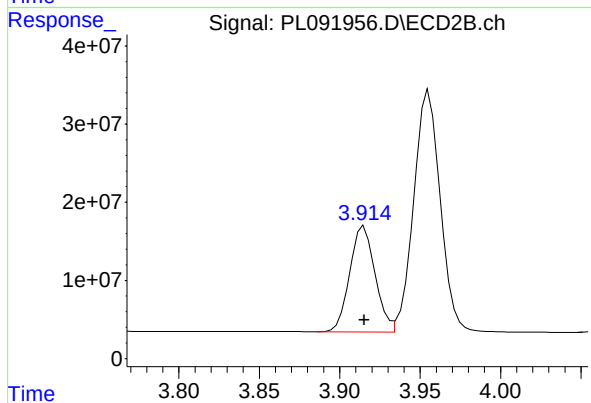
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 359328825  
Conc: 102.48 ng/ml



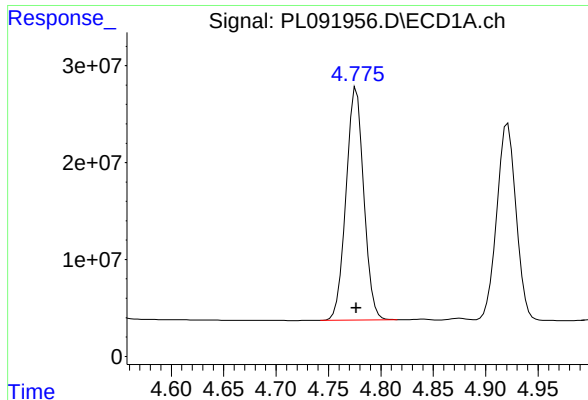
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 123366149  
Conc: 98.57 ng/ml



#6 beta-BHC

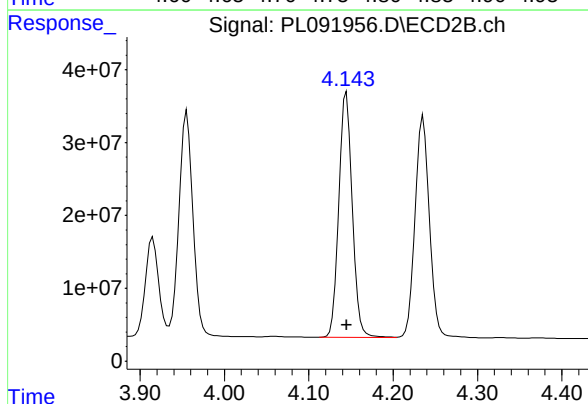
R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 148293888  
Conc: 100.58 ng/ml



#7 delta-BHC

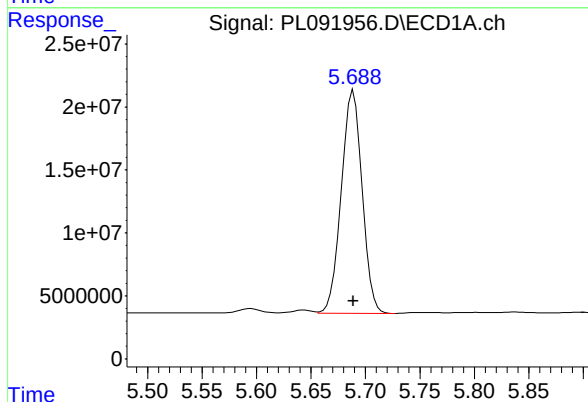
R.T.: 4.777 min  
Delta R.T.: 0.000 min  
Response: 284121461  
Conc: 101.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



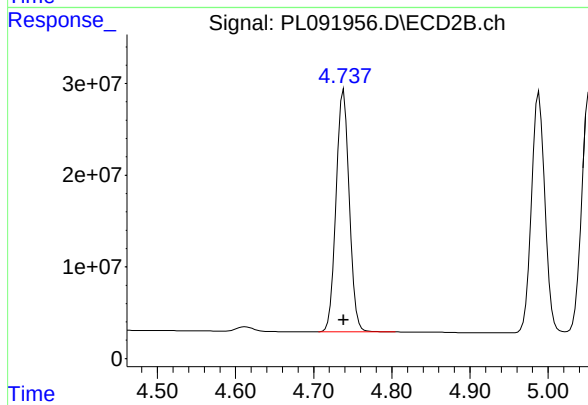
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 372637979  
Conc: 103.00 ng/ml



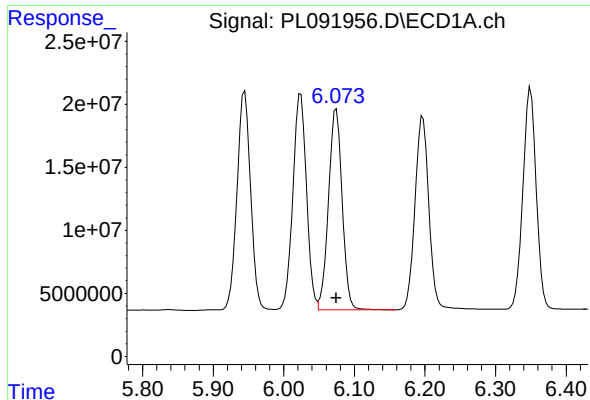
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 235524669  
Conc: 98.84 ng/ml



#8 Heptachlor epoxide

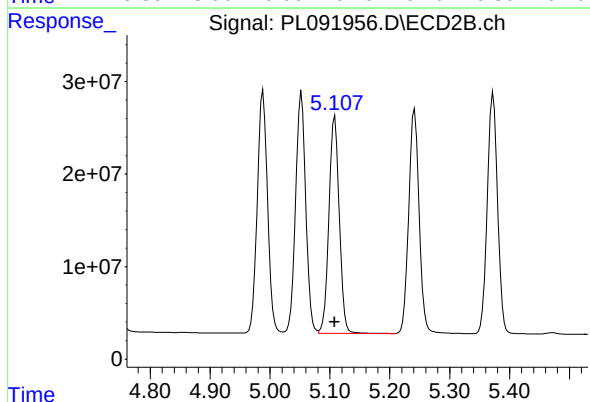
R.T.: 4.738 min  
Delta R.T.: 0.000 min  
Response: 309089568  
Conc: 101.29 ng/ml



#9 Endosulfan I

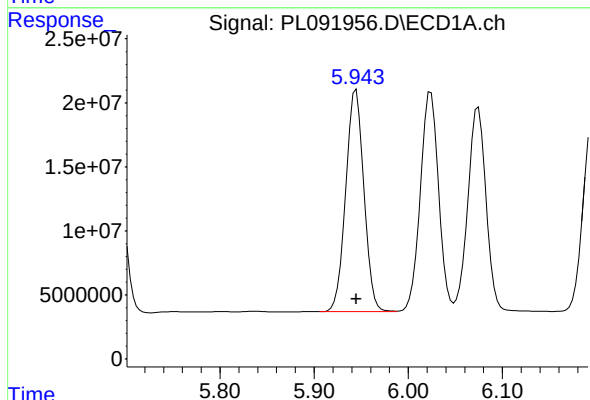
R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 214901582  
Conc: 98.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



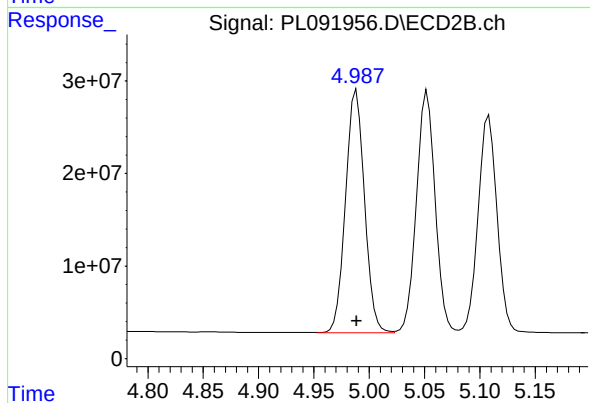
#9 Endosulfan I

R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 281625215  
Conc: 101.35 ng/ml



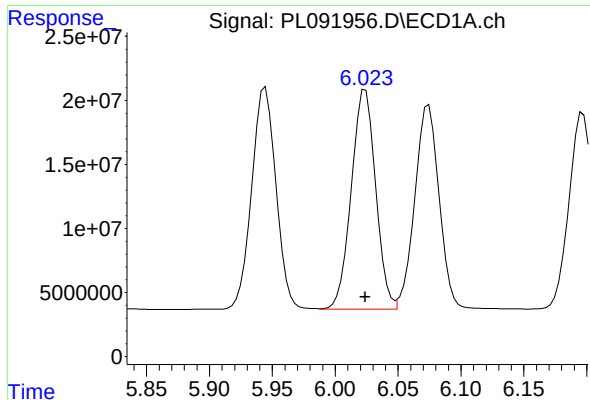
#10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 232347920  
Conc: 99.27 ng/ml



#10 gamma-Chlordane

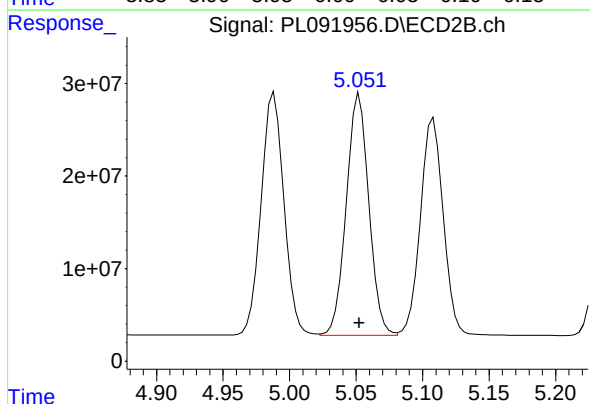
R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 313581060  
Conc: 102.08 ng/ml



#11 alpha-Chlordane

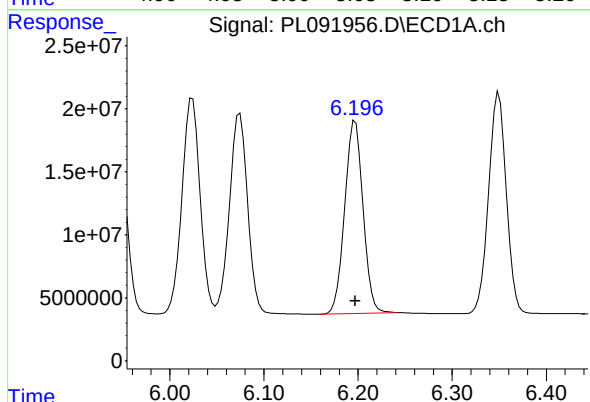
R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 230592219  
Conc: 98.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



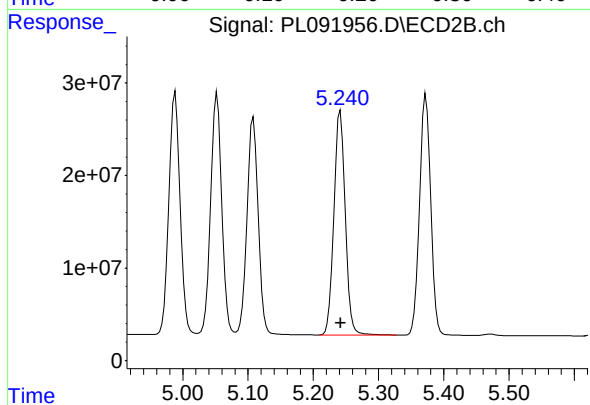
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 308539335  
Conc: 101.56 ng/ml



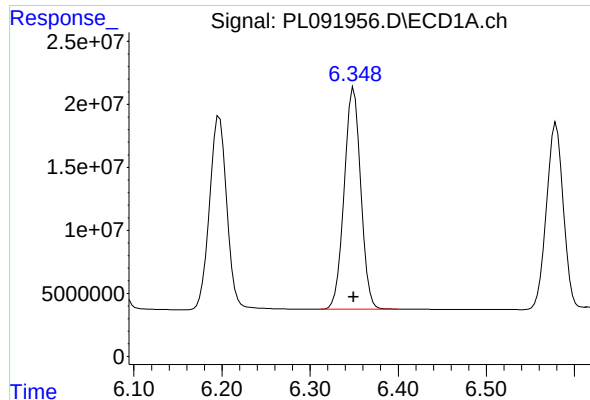
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 206657039  
Conc: 99.87 ng/ml



#12 4,4'-DDE

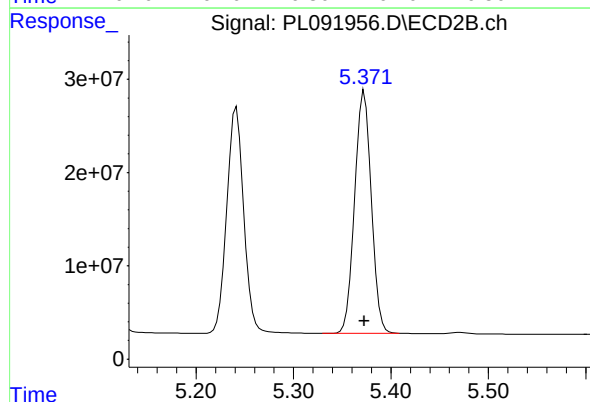
R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 293714243  
Conc: 102.45 ng/ml



#13 Dieldrin

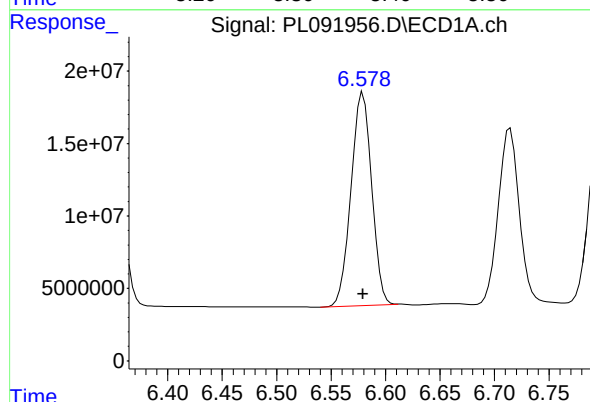
R.T.: 6.350 min  
Delta R.T.: 0.000 min  
Response: 230024062  
Conc: 99.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



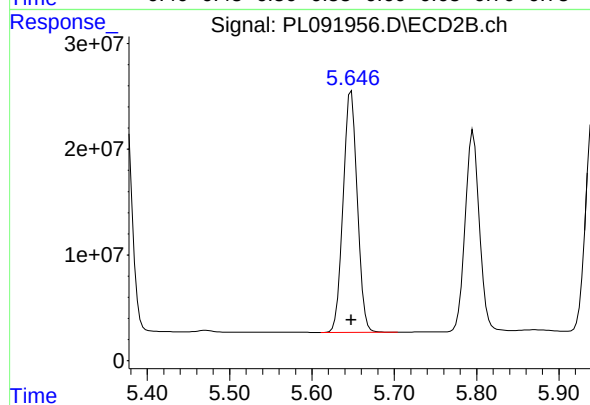
#13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 308582662  
Conc: 102.30 ng/ml



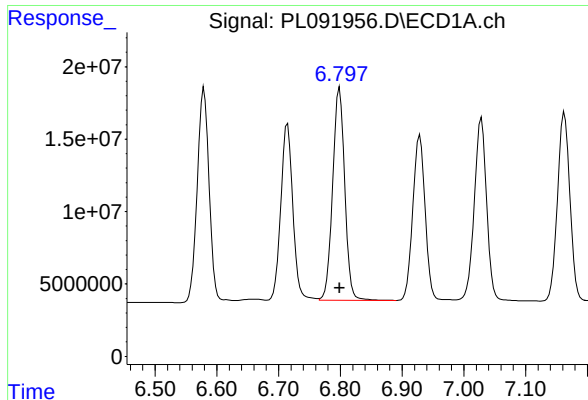
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 194088285  
Conc: 99.21 ng/ml



#14 Endrin

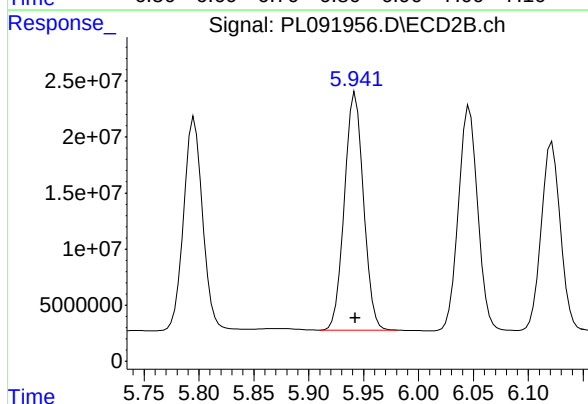
R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 272444353  
Conc: 101.87 ng/ml



#15 Endosulfan II

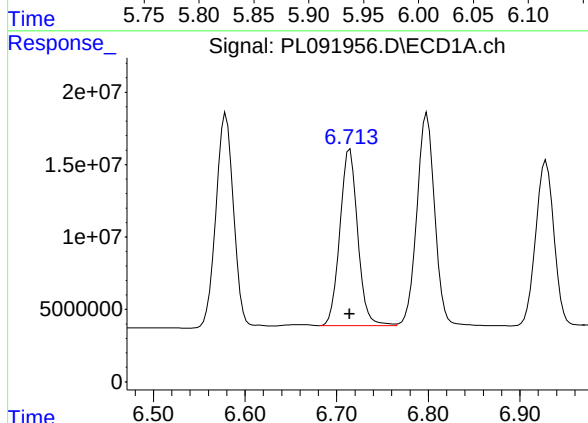
R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 199265711  
Conc: 98.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



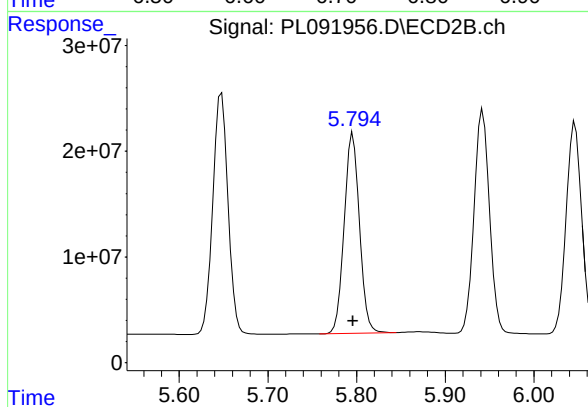
#15 Endosulfan II

R.T.: 5.942 min  
Delta R.T.: 0.000 min  
Response: 256123024  
Conc: 101.08 ng/ml



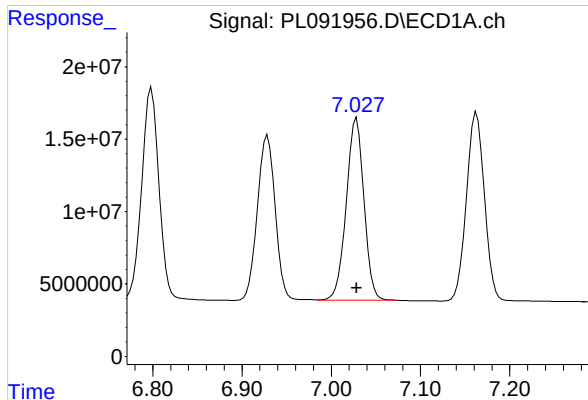
#16 4,4'-DDD

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 165352406  
Conc: 99.25 ng/ml



#16 4,4'-DDD

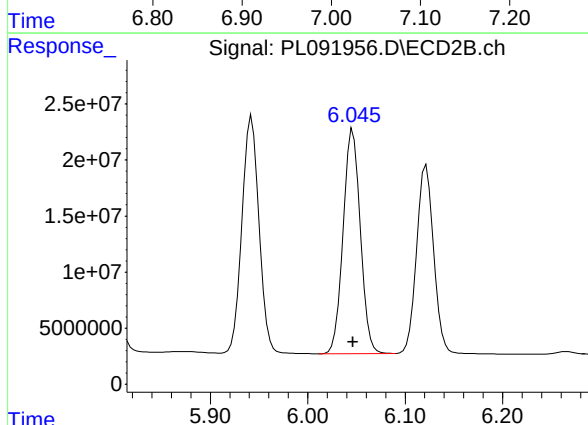
R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 226816359  
Conc: 102.91 ng/ml



#17 4,4'-DDT

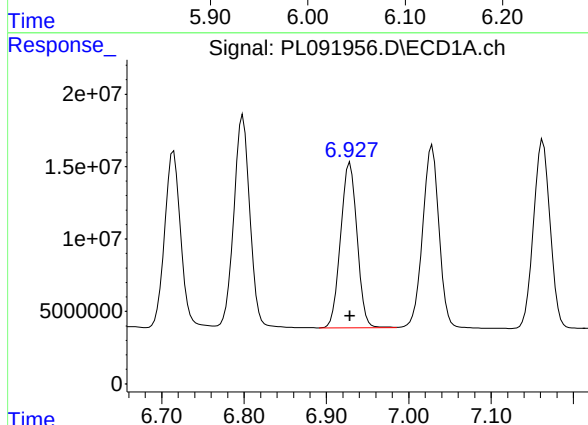
R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 173390369  
Conc: 99.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



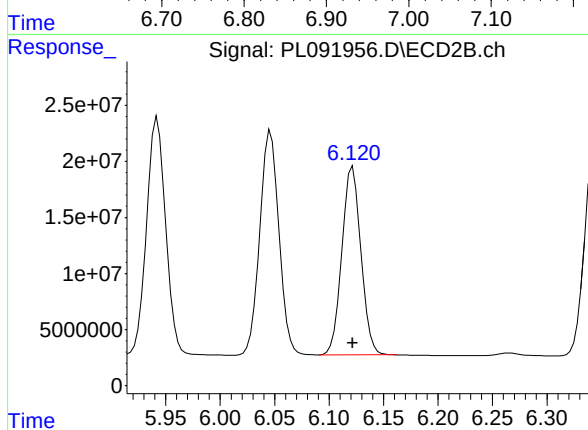
#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: 0.000 min  
Response: 245571047  
Conc: 102.64 ng/ml



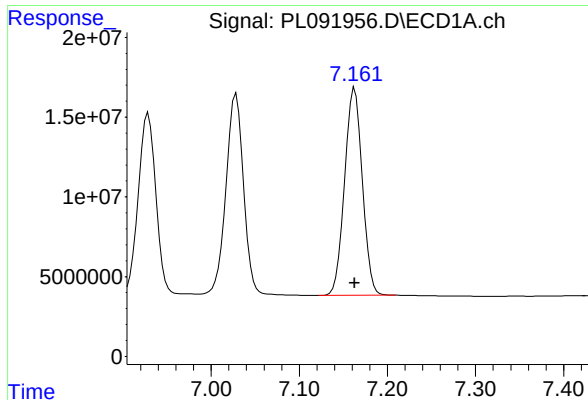
#18 Endrin aldehyde

R.T.: 6.929 min  
Delta R.T.: 0.000 min  
Response: 158354282  
Conc: 98.03 ng/ml



#18 Endrin aldehyde

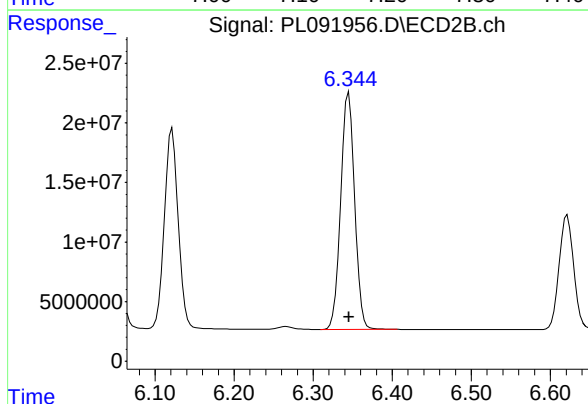
R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 203531825  
Conc: 100.38 ng/ml



## #19 Endosulfan Sulfate

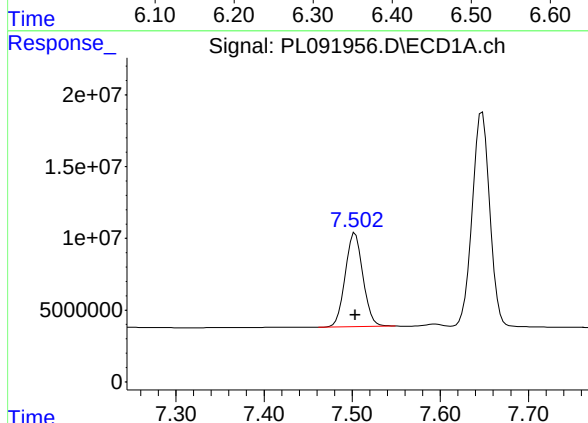
R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 182044378  
Conc: 98.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



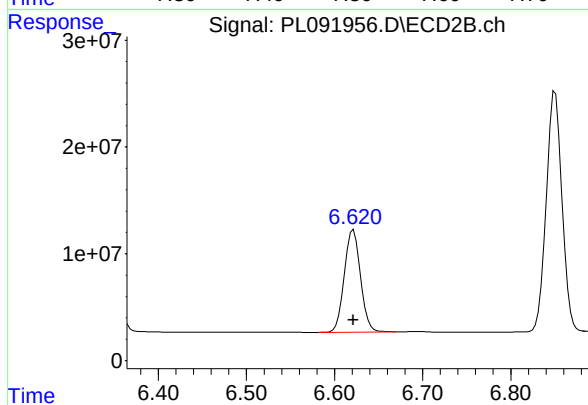
## #19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 244280527  
Conc: 100.83 ng/ml



## #20 Methoxychlor

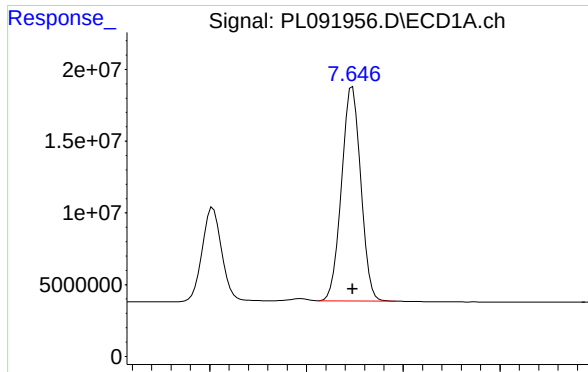
R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 91373843  
Conc: 97.84 ng/ml



## #20 Methoxychlor

R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 122803176  
Conc: 99.75 ng/ml

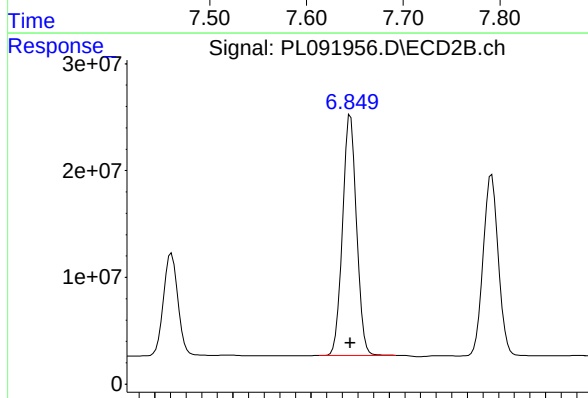




#21 Endrin ketone

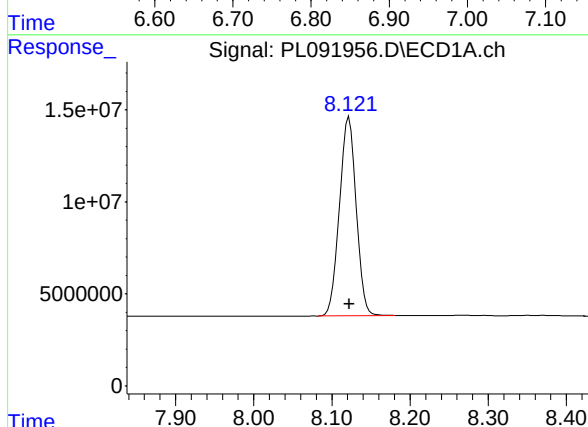
R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 205556793  
Conc: 98.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



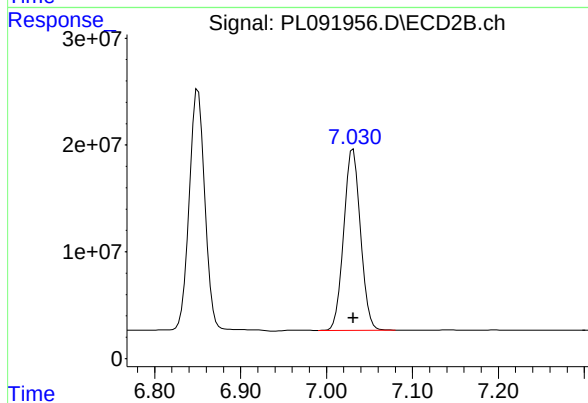
#21 Endrin ketone

R.T.: 6.850 min  
Delta R.T.: 0.000 min  
Response: 281158391  
Conc: 100.59 ng/ml



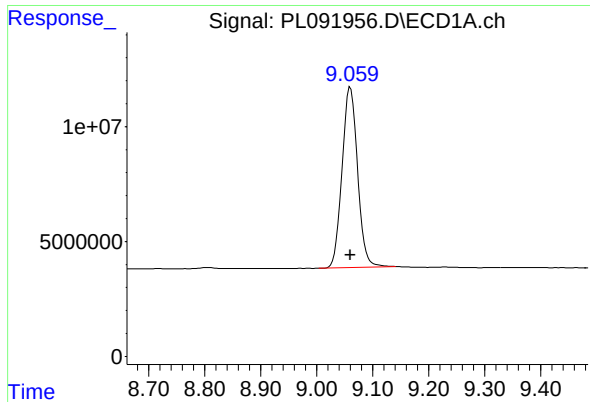
#22 Mirex

R.T.: 8.122 min  
Delta R.T.: 0.000 min  
Response: 160940594  
Conc: 97.01 ng/ml



#22 Mirex

R.T.: 7.031 min  
Delta R.T.: 0.000 min  
Response: 228312637  
Conc: 98.71 ng/ml

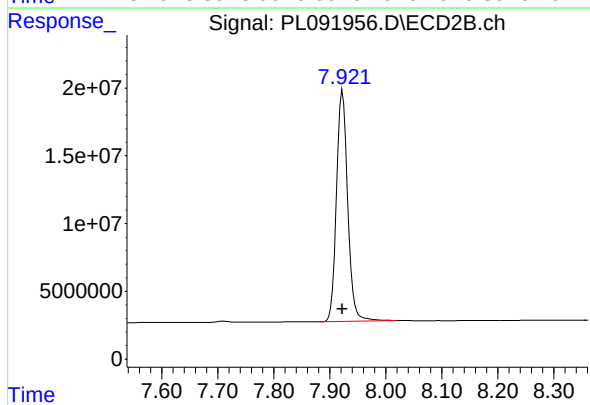


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 151417529  
Conc: 97.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 237434484  
Conc: 98.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091957.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 11:45  
 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: Sep 23 12:41:03 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 12:36:16 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 159.4E6  | 187.3E6  | 74.726 | 74.744 |
| 2) SA Decachlor...          | 9.060 | 7.924 | 116.0E6  | 180.0E6  | 74.800 | 74.962 |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.999 | 3.286 | 225.8E6  | 284.0E6  | 74.655 | 74.640 |
| 3) MA gamma-BHC...          | 4.332 | 3.616 | 221.1E6  | 272.2E6  | 74.643 | 74.349 |
| 4) MA Heptachlor            | 4.921 | 3.955 | 193.6E6  | 257.6E6  | 74.508 | 74.161 |
| 5) MB Aldrin                | 5.263 | 4.235 | 195.5E6  | 259.2E6  | 74.349 | 74.269 |
| 6) B beta-BHC               | 4.530 | 3.915 | 92650426 | 108.6E6  | 74.347 | 74.115 |
| 7) B delta-BHC              | 4.777 | 4.145 | 206.8E6  | 268.5E6  | 74.062 | 74.471 |
| 8) B Heptachlo...           | 5.689 | 4.739 | 181.5E6  | 224.8E6  | 75.762 | 74.095 |
| 9) A Endosulfan I           | 6.074 | 5.108 | 161.4E6  | 205.2E6  | 74.409 | 74.223 |
| 10) B gamma-Chl...          | 5.945 | 4.988 | 172.9E6  | 226.5E6  | 74.253 | 74.159 |
| 11) B alpha-Chl...          | 6.024 | 5.052 | 172.6E6  | 223.8E6  | 74.395 | 74.108 |
| 12) B 4,4'-DDE              | 6.197 | 5.241 | 153.4E6  | 211.6E6  | 74.435 | 74.206 |
| 13) MA Dieldrin             | 6.349 | 5.373 | 171.9E6  | 223.4E6  | 74.506 | 74.360 |
| 14) MA Endrin               | 6.579 | 5.648 | 145.1E6  | 198.2E6  | 74.433 | 74.393 |
| 15) B Endosulfa...          | 6.798 | 5.943 | 150.5E6  | 187.3E6  | 74.463 | 74.283 |
| 16) A 4,4'-DDD              | 6.714 | 5.796 | 123.5E6  | 163.3E6  | 74.434 | 74.400 |
| 17) MA 4,4'-DDT             | 7.028 | 6.047 | 130.2E6  | 177.8E6  | 74.751 | 74.550 |
| 18) B Endrin al...          | 6.929 | 6.122 | 120.3E6  | 150.3E6  | 74.659 | 74.427 |
| 19) B Endosulfa...          | 7.163 | 6.345 | 137.7E6  | 178.7E6  | 74.505 | 74.166 |
| 20) A Methoxychlor          | 7.504 | 6.622 | 69521260 | 91706580 | 74.624 | 74.662 |
| 21) B Endrin ke...          | 7.648 | 6.851 | 154.4E6  | 207.5E6  | 74.467 | 74.480 |
| 22) Mirex                   | 8.121 | 7.032 | 123.8E6  | 172.9E6  | 74.728 | 74.836 |
| -----                       |       |       |          |          |        |        |

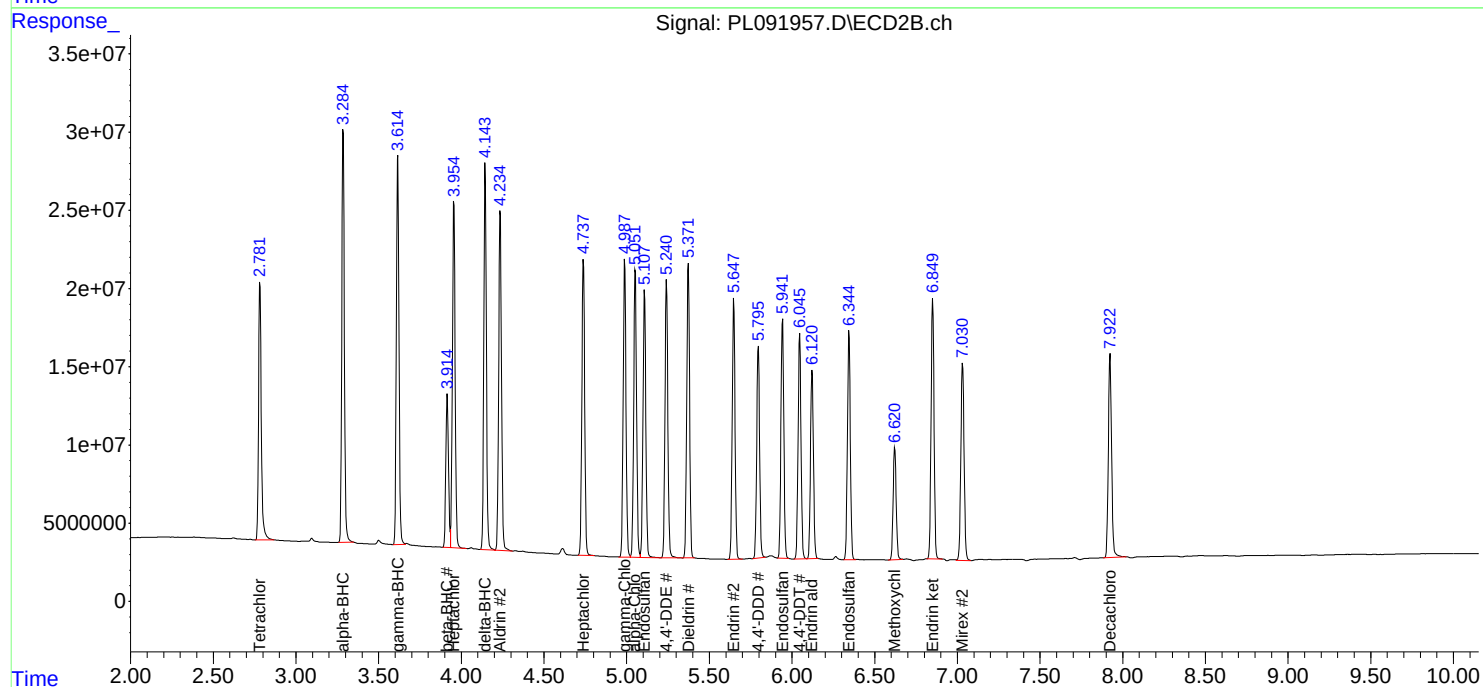
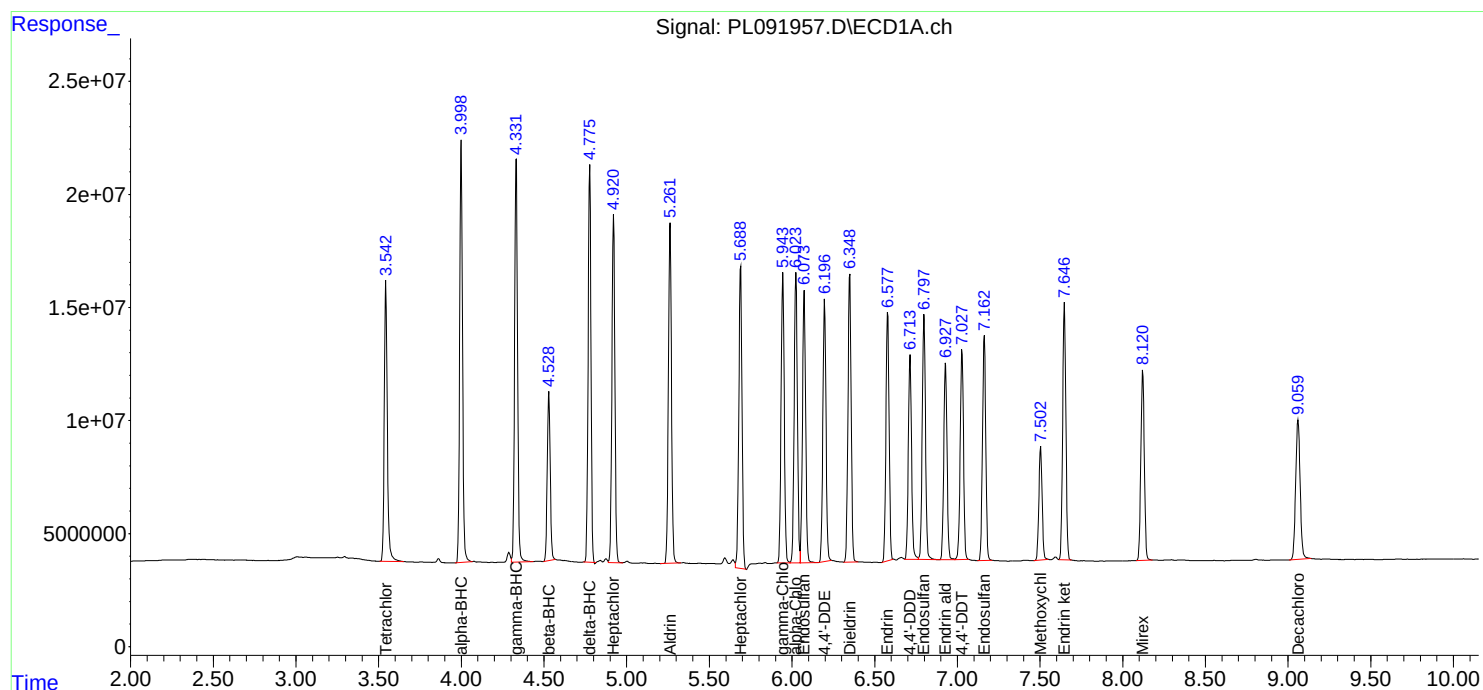
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

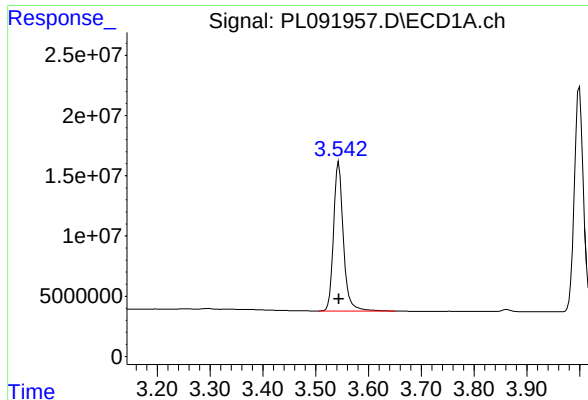
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091957.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 11:45  
Operator : AR\AJ  
Sample : PSTDICC075  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 12:41:03 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 12:36:16 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

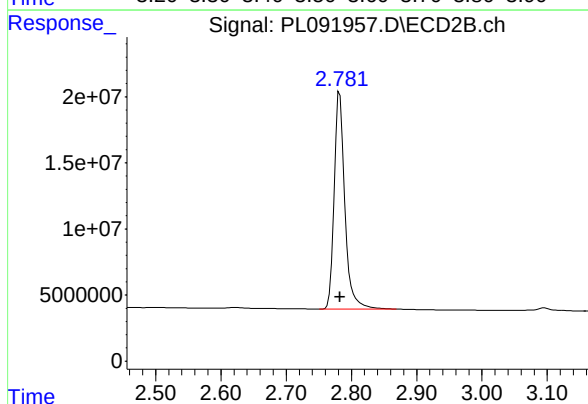




#1 Tetrachloro-m-xylene

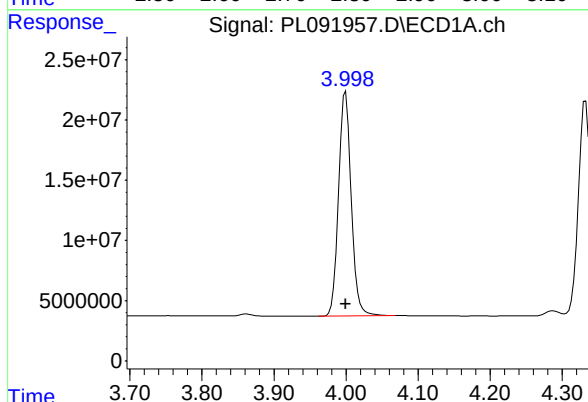
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 159395038  
Conc: 74.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



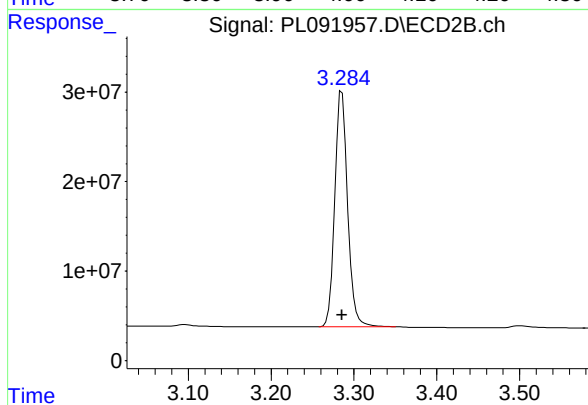
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 187332107  
Conc: 74.74 ng/ml



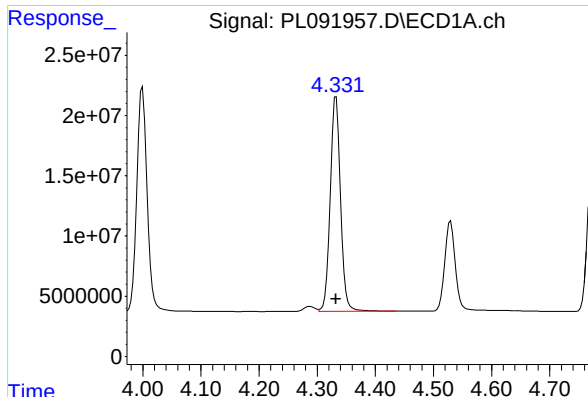
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 225774517  
Conc: 74.66 ng/ml



#2 alpha-BHC

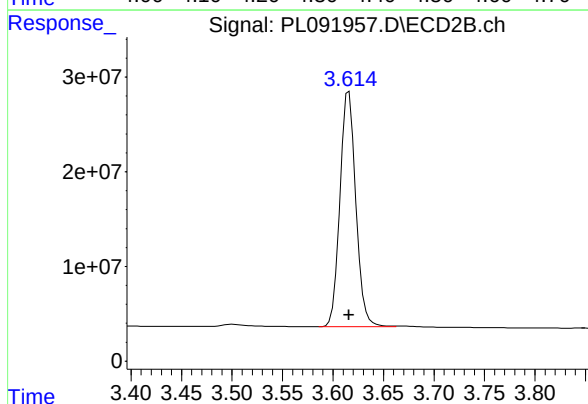
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 283982692  
Conc: 74.64 ng/ml



#3 gamma-BHC (Lindane)

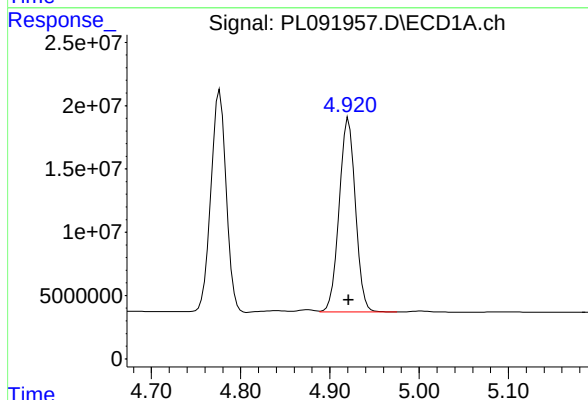
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 221144683  
Conc: 74.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



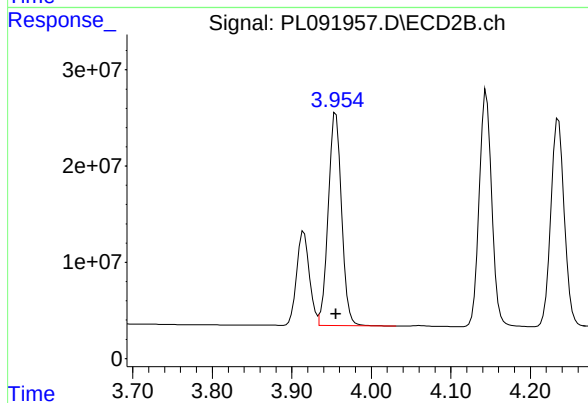
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 272181750  
Conc: 74.35 ng/ml



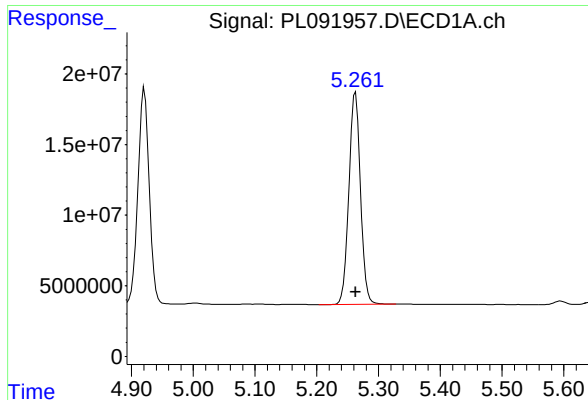
#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 193635895  
Conc: 74.51 ng/ml



#4 Heptachlor

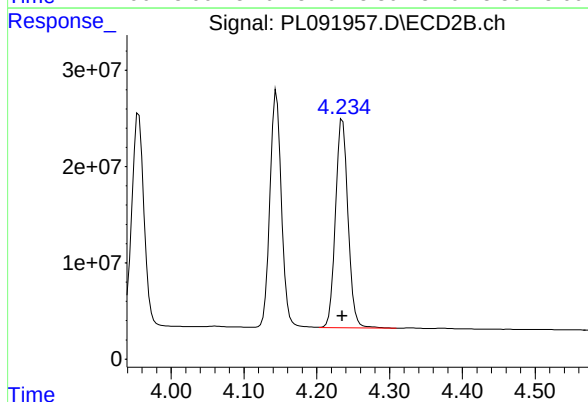
R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 257576151  
Conc: 74.16 ng/ml



#5 Aldrin

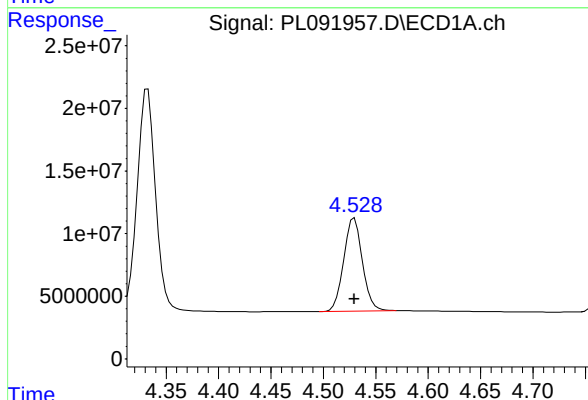
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 195538700  
Conc: 74.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



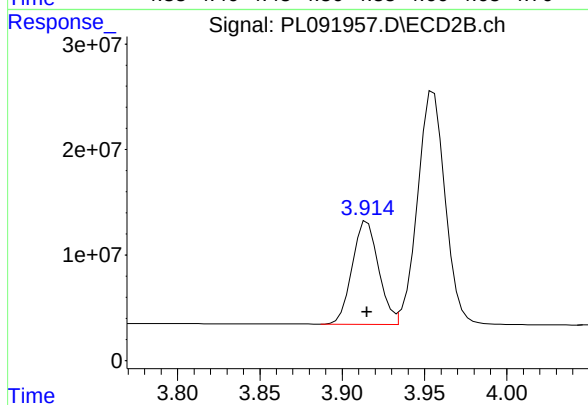
#5 Aldrin

R.T.: 4.235 min  
Delta R.T.: 0.000 min  
Response: 259160854  
Conc: 74.27 ng/ml



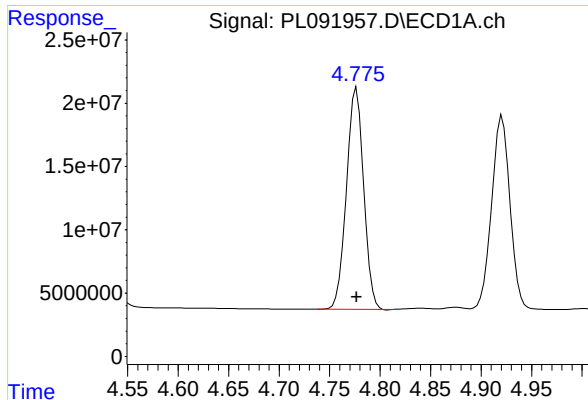
#6 beta-BHC

R.T.: 4.530 min  
Delta R.T.: 0.000 min  
Response: 92650426  
Conc: 74.35 ng/ml



#6 beta-BHC

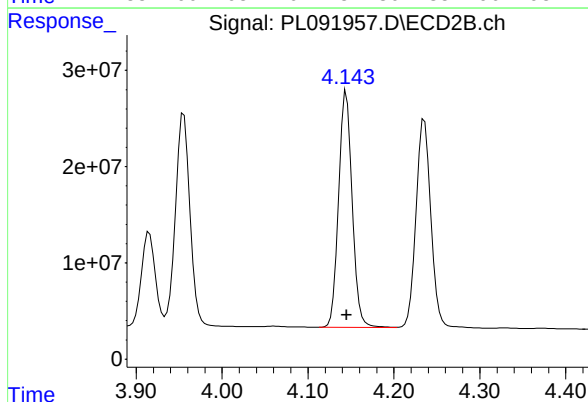
R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 108632777  
Conc: 74.11 ng/ml



#7 delta-BHC

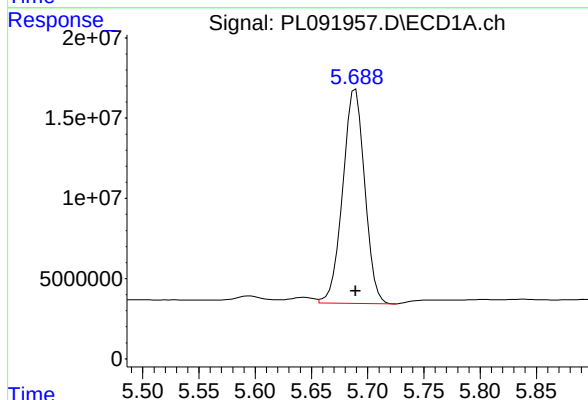
R.T.: 4.777 min  
Delta R.T.: 0.000 min  
Response: 206819582  
Conc: 74.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



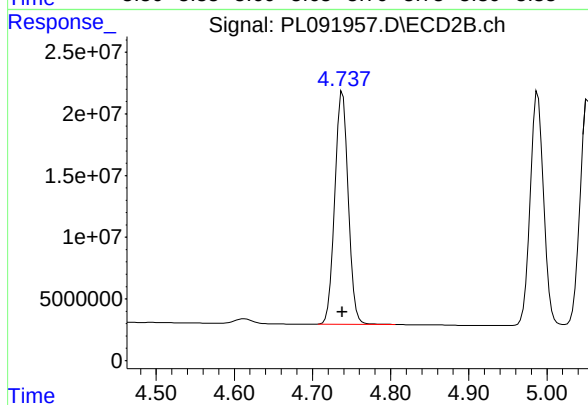
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 268475360  
Conc: 74.47 ng/ml



#8 Heptachlor epoxide

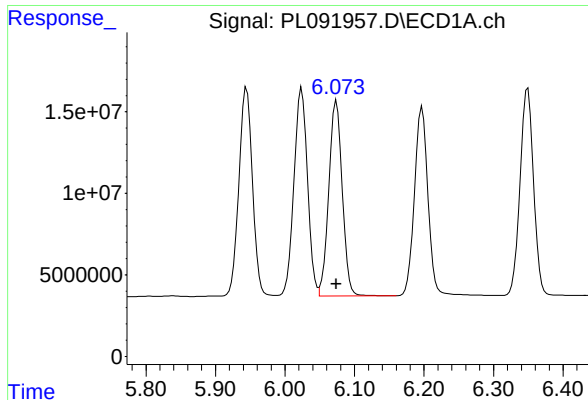
R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 181455894  
Conc: 75.76 ng/ml



#8 Heptachlor epoxide

R.T.: 4.739 min  
Delta R.T.: 0.000 min  
Response: 224754769  
Conc: 74.09 ng/ml

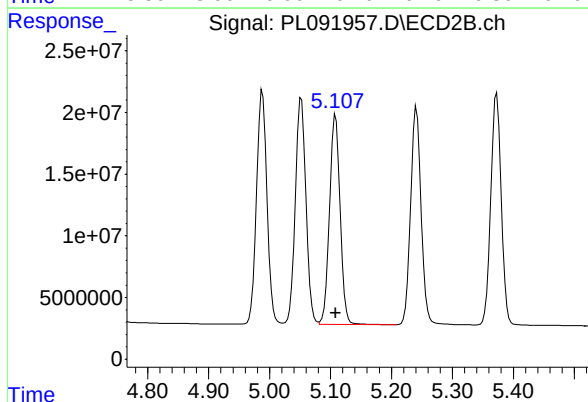




## #9 Endosulfan I

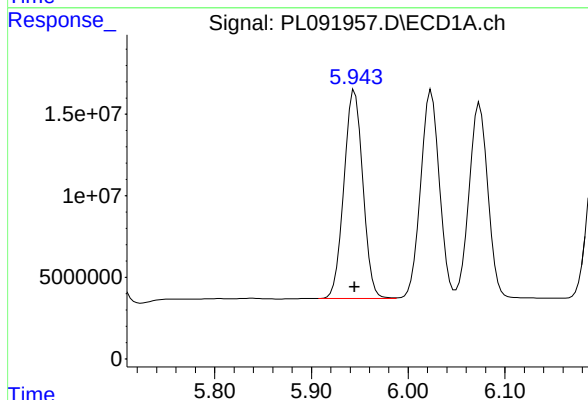
R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 161437306  
Conc: 74.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



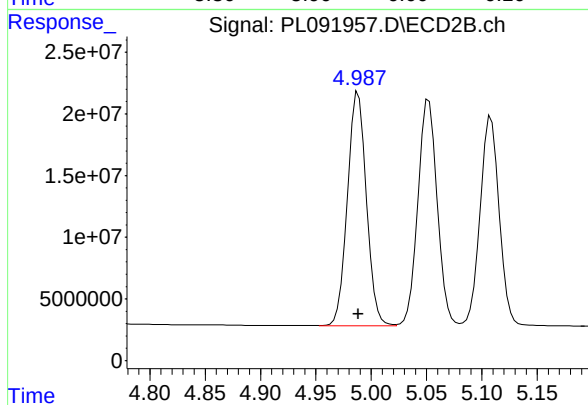
## #9 Endosulfan I

R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 205187054  
Conc: 74.22 ng/ml



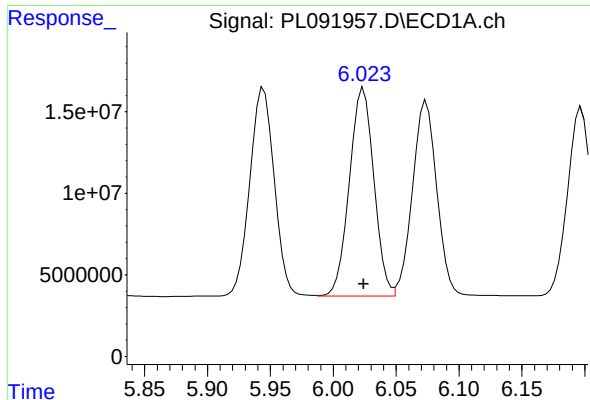
## #10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 172926382  
Conc: 74.25 ng/ml



## #10 gamma-Chlordane

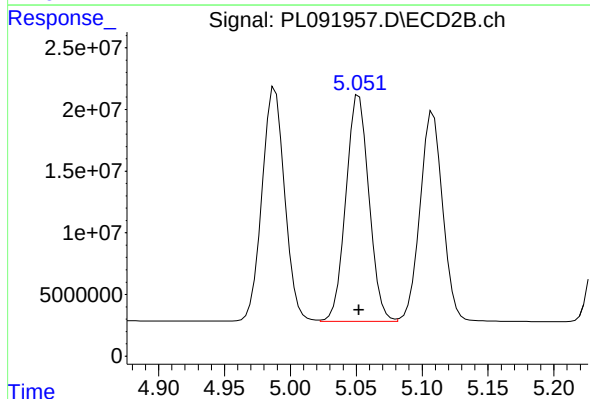
R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 226543912  
Conc: 74.16 ng/ml



#11 alpha-Chlordane

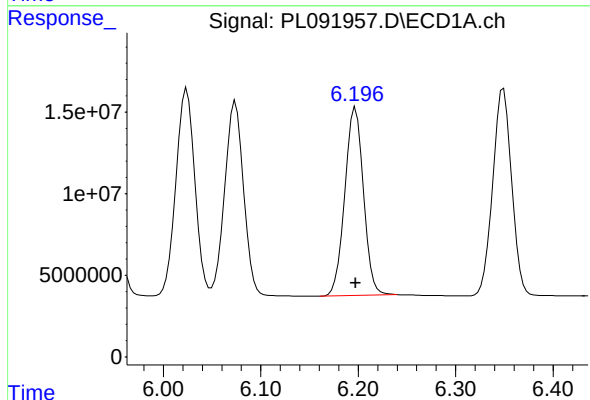
R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 172639381  
Conc: 74.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



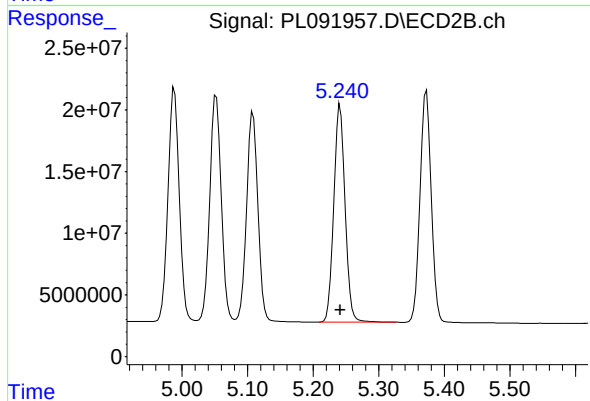
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 223797679  
Conc: 74.11 ng/ml



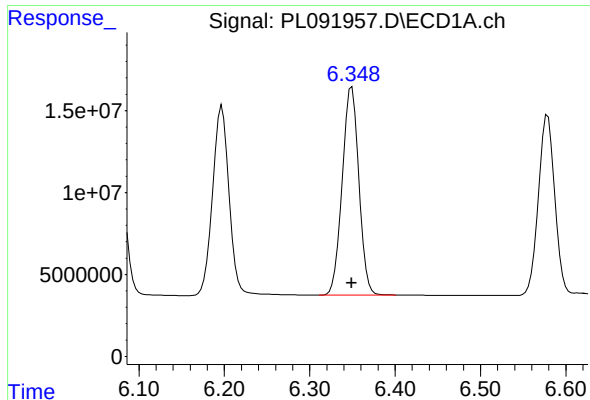
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 153443503  
Conc: 74.44 ng/ml



#12 4,4'-DDE

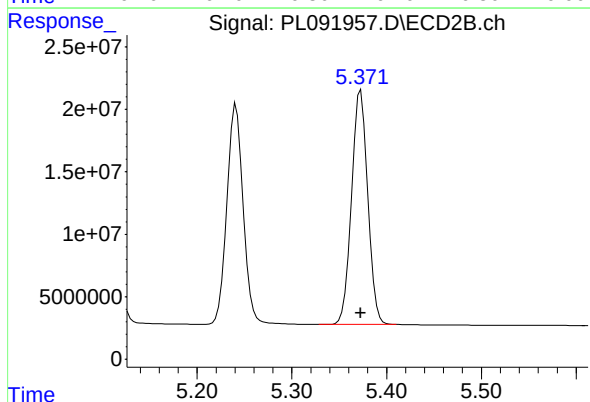
R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 211620545  
Conc: 74.21 ng/ml



#13 Dieldrin

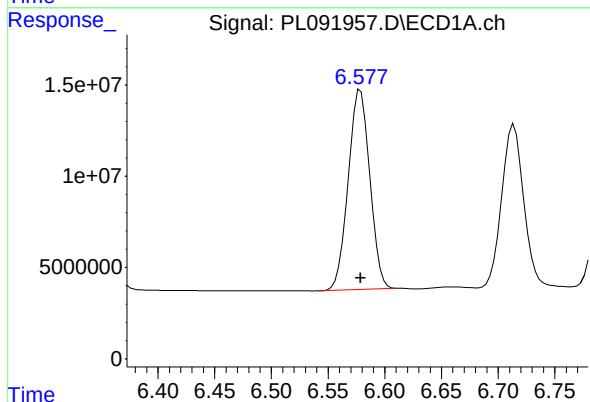
R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 171909990  
Conc: 74.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



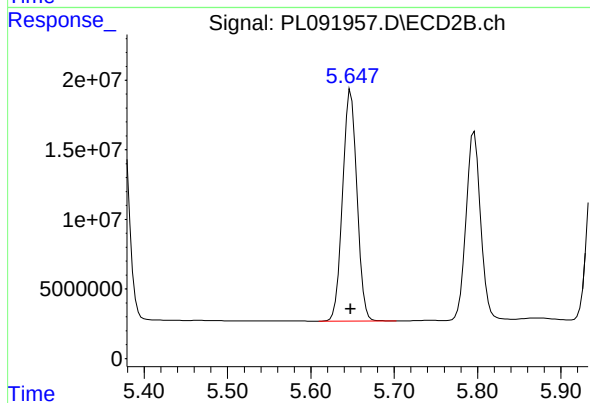
#13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 223352968  
Conc: 74.36 ng/ml



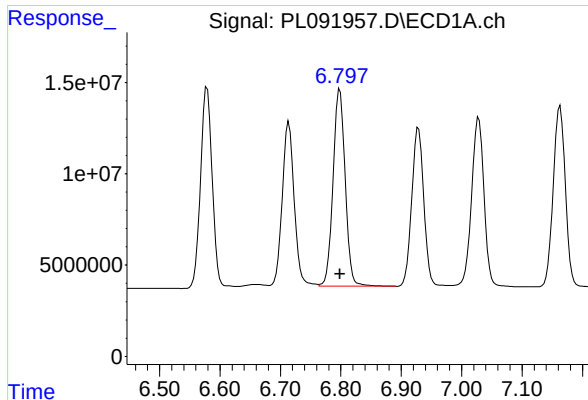
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 145062887  
Conc: 74.43 ng/ml



#14 Endrin

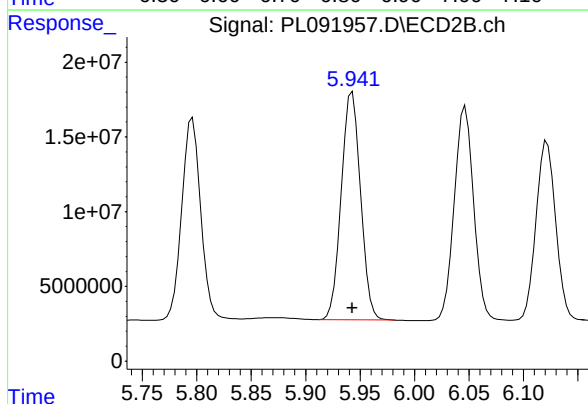
R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 198163707  
Conc: 74.39 ng/ml



## #15 Endosulfan II

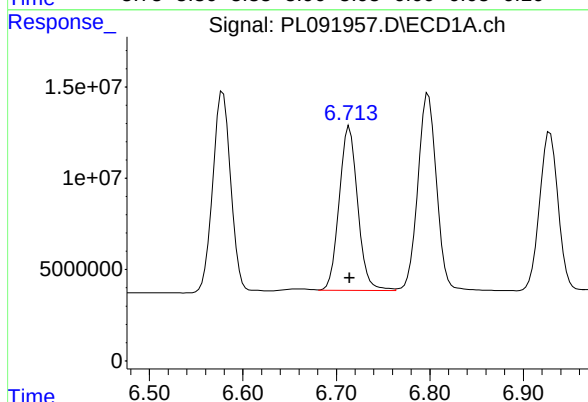
R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 150467732  
Conc: 74.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



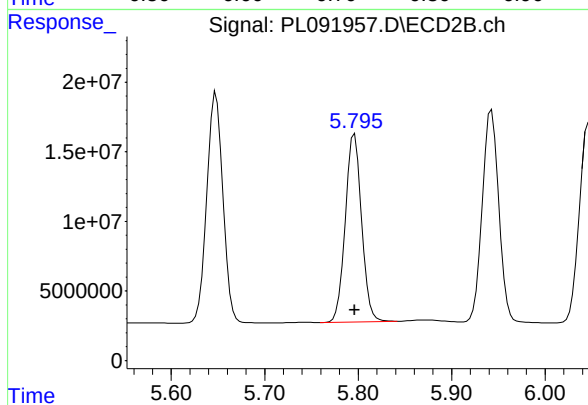
## #15 Endosulfan II

R.T.: 5.943 min  
Delta R.T.: 0.000 min  
Response: 187328956  
Conc: 74.28 ng/ml



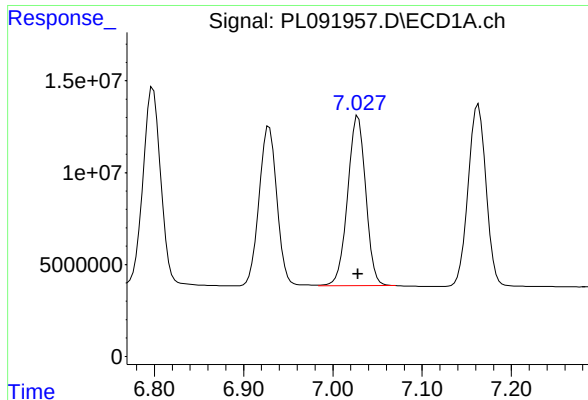
## #16 4,4'-DDD

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 123540890  
Conc: 74.43 ng/ml



## #16 4,4'-DDD

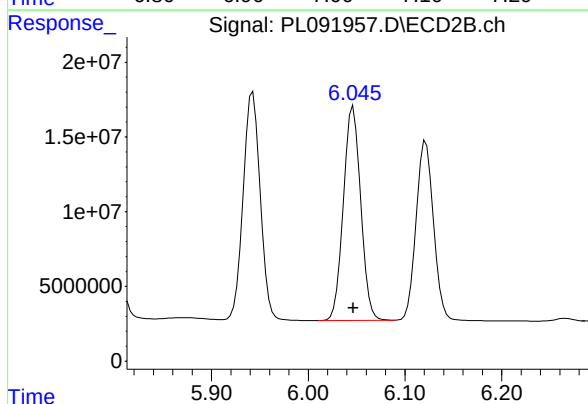
R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 163324537  
Conc: 74.40 ng/ml



#17 4,4'-DDT

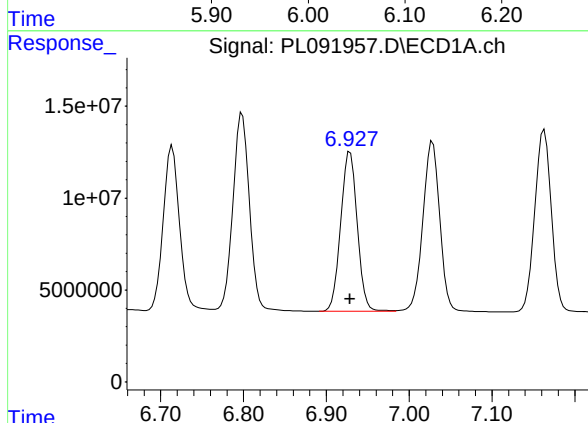
R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 130153528  
Conc: 74.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



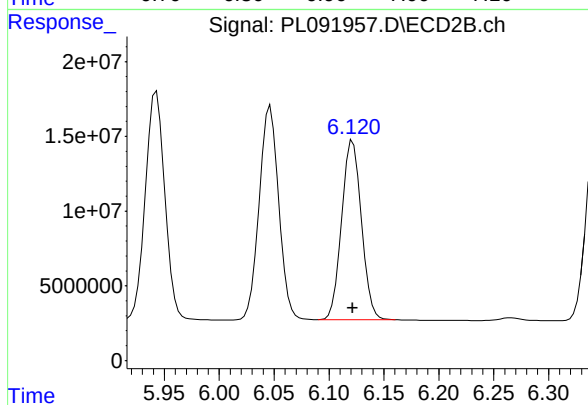
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 177837328  
Conc: 74.55 ng/ml



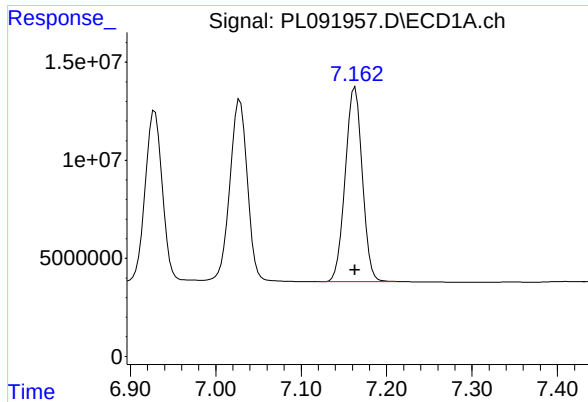
#18 Endrin aldehyde

R.T.: 6.929 min  
Delta R.T.: 0.000 min  
Response: 120331913  
Conc: 74.66 ng/ml



#18 Endrin aldehyde

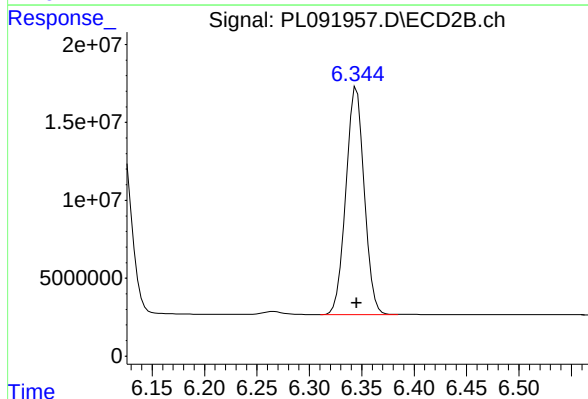
R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 150336213  
Conc: 74.43 ng/ml



#19 Endosulfan Sulfate

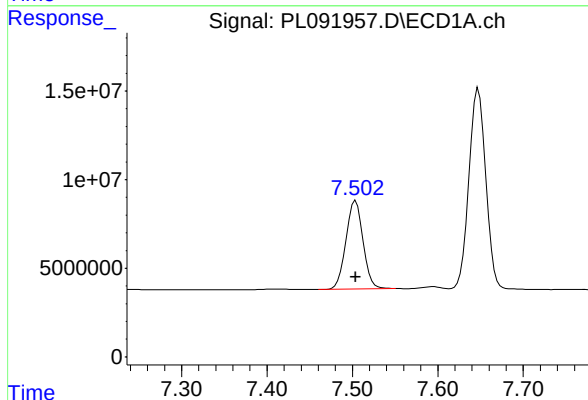
R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 137746447  
Conc: 74.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



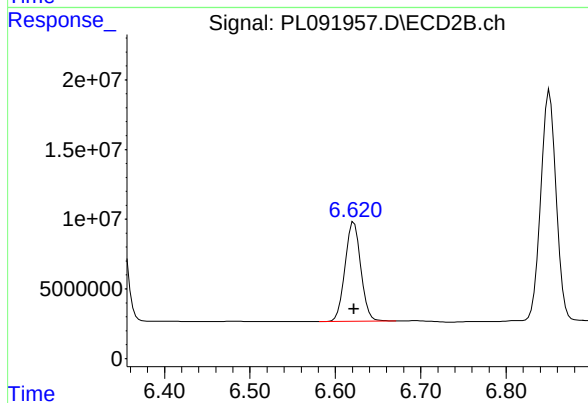
#19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 178687127  
Conc: 74.17 ng/ml



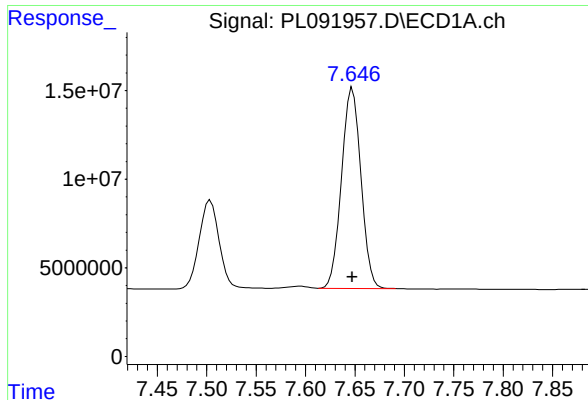
#20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.000 min  
Response: 69521260  
Conc: 74.62 ng/ml



#20 Methoxychlor

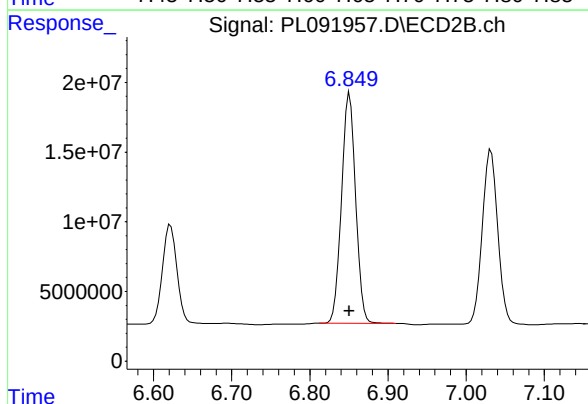
R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 91706580  
Conc: 74.66 ng/ml



#21 Endrin ketone

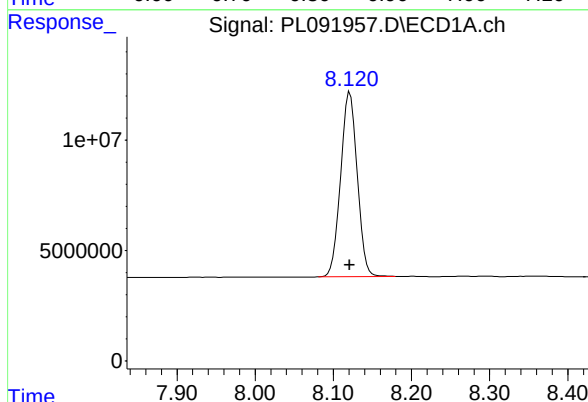
R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 154353040  
Conc: 74.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



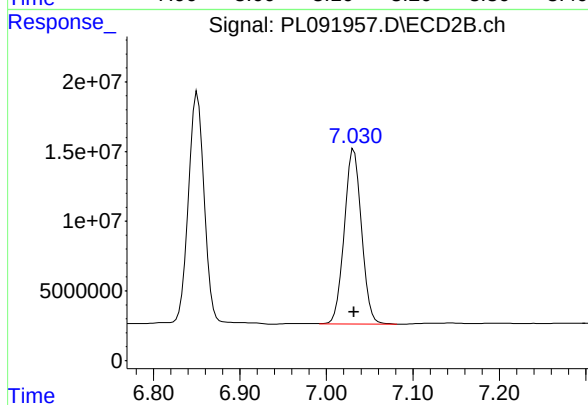
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 207467282  
Conc: 74.48 ng/ml



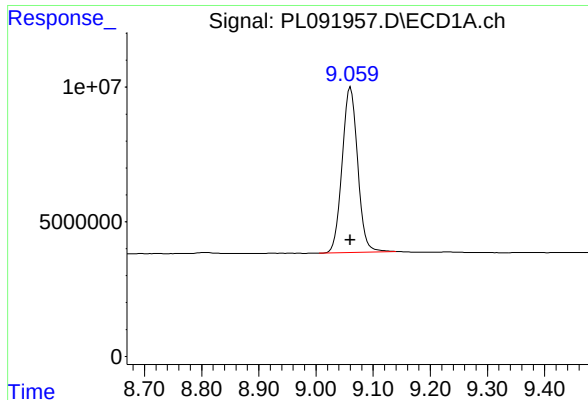
#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 123756390  
Conc: 74.73 ng/ml



#22 Mirex

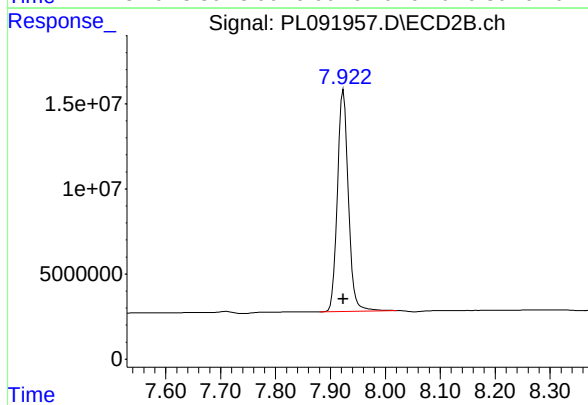
R.T.: 7.032 min  
Delta R.T.: 0.000 min  
Response: 172901025  
Conc: 74.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 115971826  
Conc: 74.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 179969944  
Conc: 74.96 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091958.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 11:59  
 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: Sep 23 12:36:33 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 12:36:16 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.782 | 107.3E6  | 123.8E6  | 50.000 | 50.000 |
| 28)                         | SA Decachlor... | 9.060 | 7.923 | 79539342 | 121.4E6  | 50.000 | 50.000 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.999 | 3.286 | 149.3E6  | 184.5E6  | 50.000 | 50.000 |
| 3)                          | MA gamma-BHC... | 4.332 | 3.616 | 147.5E6  | 178.9E6  | 50.000 | 50.000 |
| 4)                          | MA Heptachlor   | 4.920 | 3.955 | 131.2E6  | 171.6E6  | 50.000 | 50.000 |
| 5)                          | MB Aldrin       | 5.263 | 4.235 | 132.1E6  | 171.0E6  | 50.000 | 50.000 |
| 6)                          | B beta-BHC      | 4.529 | 3.915 | 63477159 | 73292412 | 50.000 | 50.000 |
| 7)                          | B delta-BHC     | 4.777 | 4.145 | 138.9E6  | 175.5E6  | 50.000 | 50.000 |
| 8)                          | B Heptachlo...  | 5.689 | 4.738 | 120.5E6  | 150.6E6  | 50.000 | 50.000 |
| 9)                          | A Endosulfan I  | 6.075 | 5.108 | 110.4E6  | 137.1E6  | 50.000 | 50.000 |
| 10)                         | B gamma-Chl...  | 5.945 | 4.988 | 117.9E6  | 150.4E6  | 50.000 | 50.000 |
| 11)                         | B alpha-Chl...  | 6.024 | 5.052 | 117.7E6  | 149.5E6  | 50.000 | 50.000 |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.241 | 103.6E6  | 139.8E6  | 50.000 | 50.000 |
| 13)                         | MA Dieldrin     | 6.349 | 5.372 | 116.5E6  | 147.4E6  | 50.000 | 50.000 |
| 14)                         | MA Endrin       | 6.579 | 5.648 | 98582726 | 131.2E6  | 50.000 | 50.000 |
| 15)                         | B Endosulfa...  | 6.798 | 5.942 | 103.2E6  | 125.3E6  | 50.000 | 50.000 |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.796 | 83925087 | 107.0E6  | 50.000 | 50.000 |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.046 | 87708743 | 116.5E6  | 50.000 | 50.000 |
| 18)                         | B Endrin al...  | 6.928 | 6.122 | 82365868 | 101.0E6  | 50.000 | 50.000 |
| 19)                         | B Endosulfa...  | 7.163 | 6.344 | 94470405 | 120.1E6  | 50.000 | 50.000 |
| 20)                         | A Methoxychlor  | 7.504 | 6.621 | 47708430 | 61703976 | 50.000 | 50.000 |
| 21)                         | B Endrin ke...  | 7.648 | 6.850 | 105.2E6  | 138.9E6  | 50.000 | 50.000 |
| 22)                         | Mirex           | 8.121 | 7.031 | 85437944 | 117.1E6  | 50.000 | 50.000 |
| -----                       |                 |       |       |          |          |        |        |

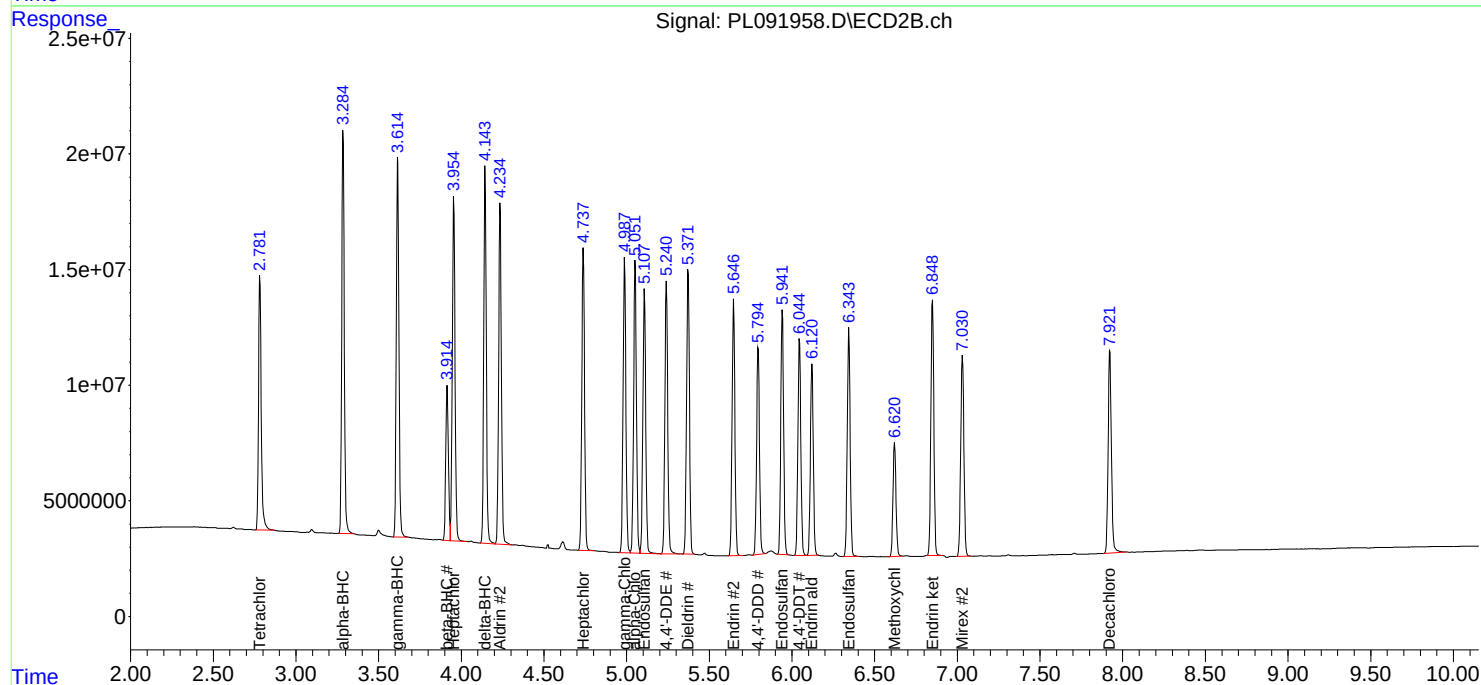
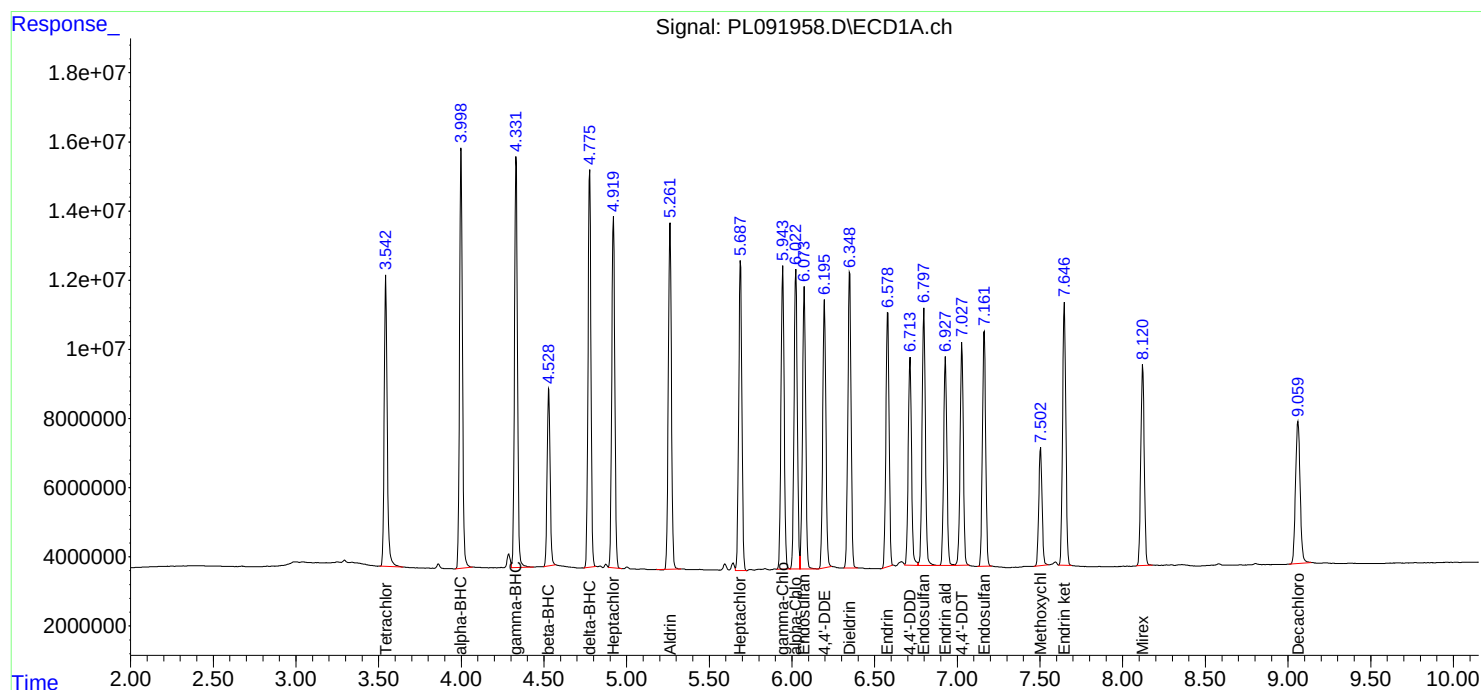
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

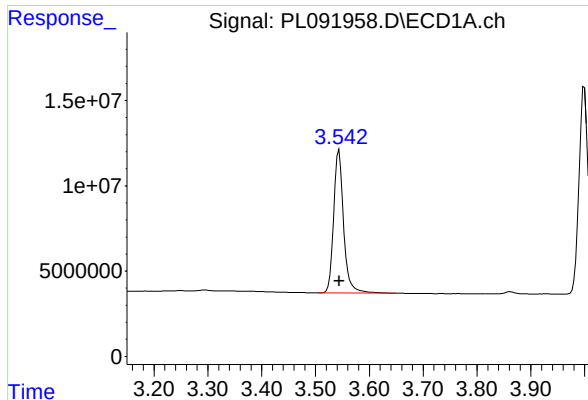
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091958.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 11:59  
Operator : AR\AJ  
Sample : PSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 12:36:33 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 12:36:16 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

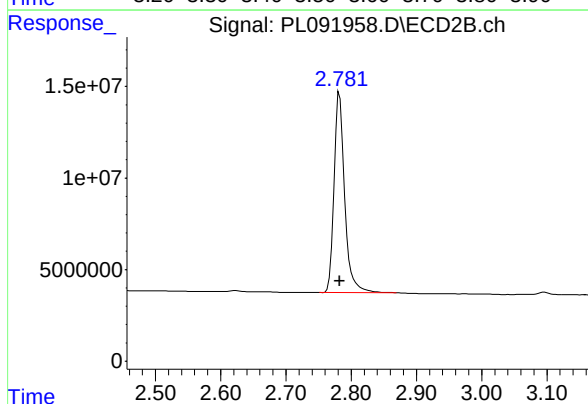




#1 Tetrachloro-m-xylene

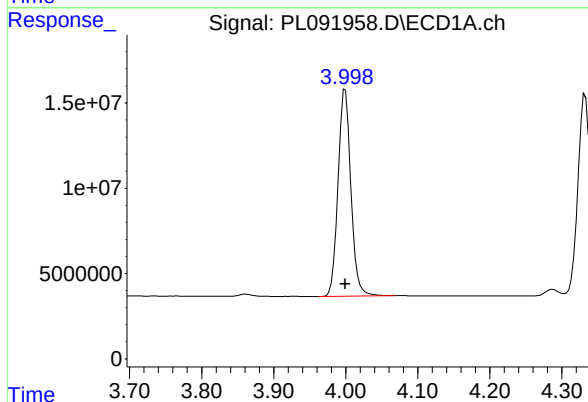
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 107271908  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



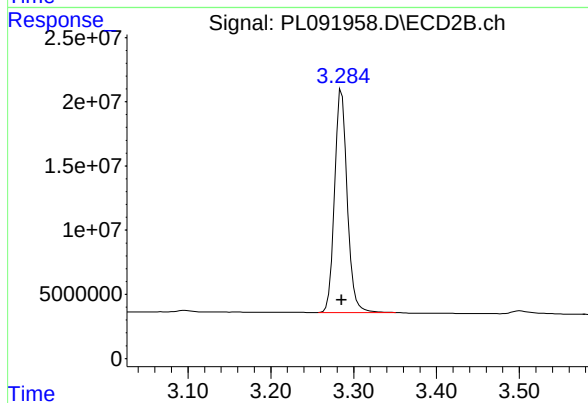
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 123833671  
Conc: 50.00 ng/ml



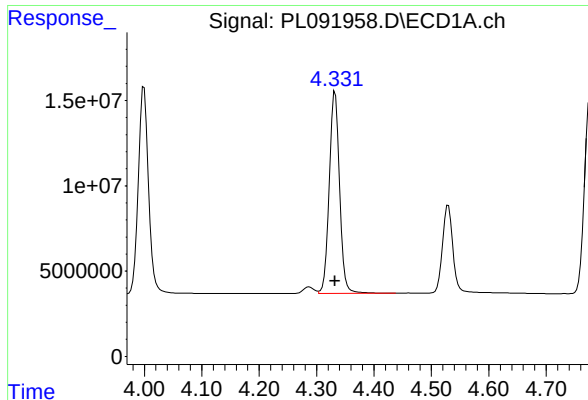
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 149285848  
Conc: 50.00 ng/ml



#2 alpha-BHC

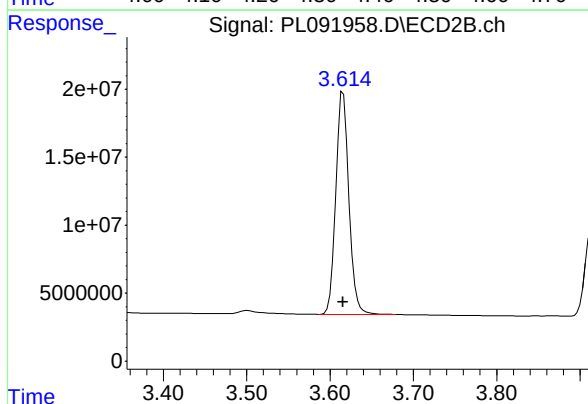
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 184503257  
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

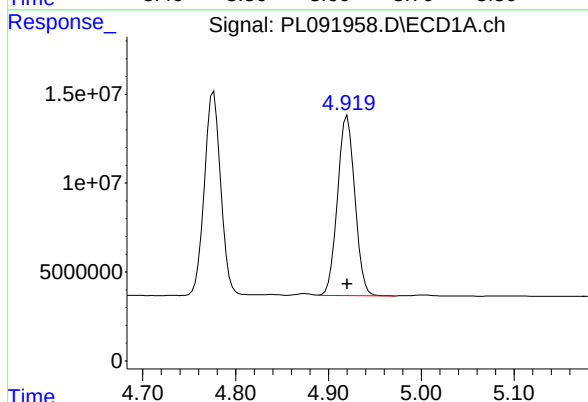
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 147455261  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



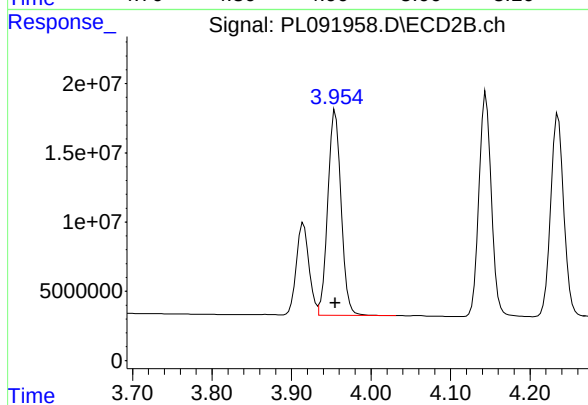
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 178891113  
Conc: 50.00 ng/ml



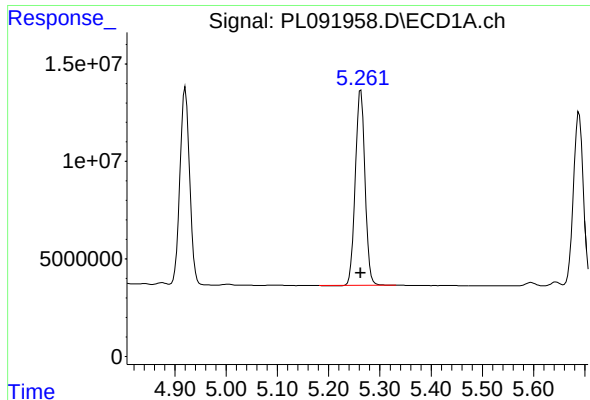
#4 Heptachlor

R.T.: 4.920 min  
Delta R.T.: 0.000 min  
Response: 131213735  
Conc: 50.00 ng/ml



#4 Heptachlor

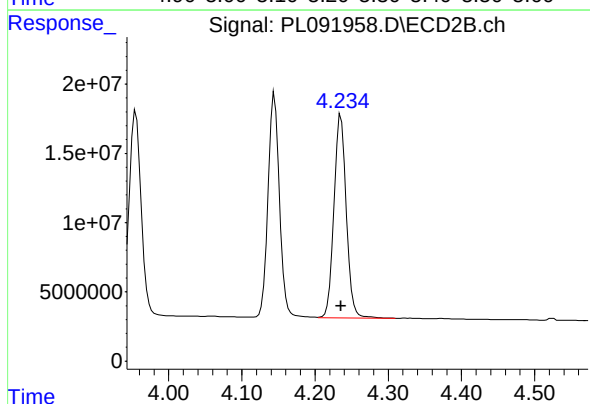
R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 171574520  
Conc: 50.00 ng/ml



#5 Aldrin

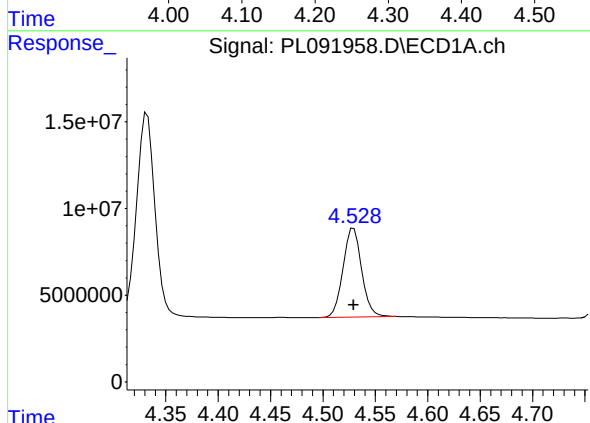
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 132091357  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



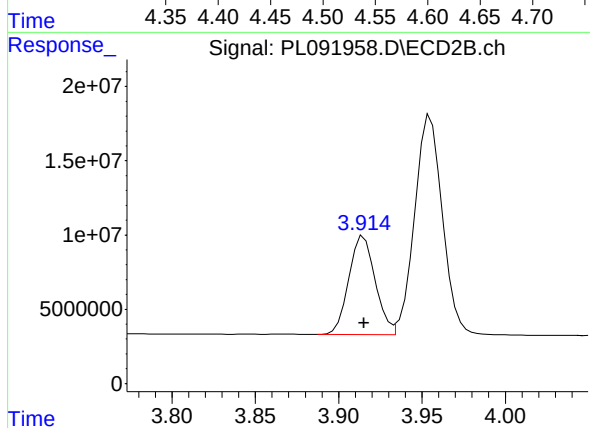
#5 Aldrin

R.T.: 4.235 min  
Delta R.T.: 0.000 min  
Response: 170981605  
Conc: 50.00 ng/ml



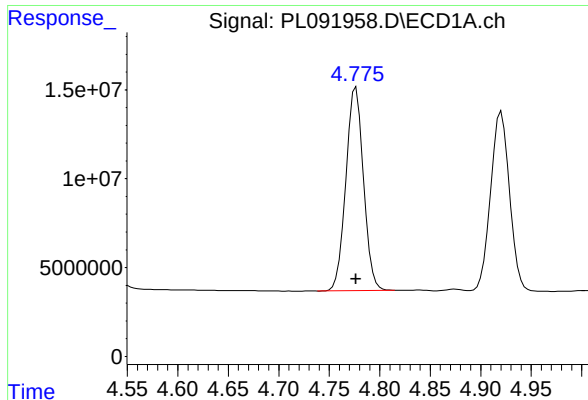
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 63477159  
Conc: 50.00 ng/ml



#6 beta-BHC

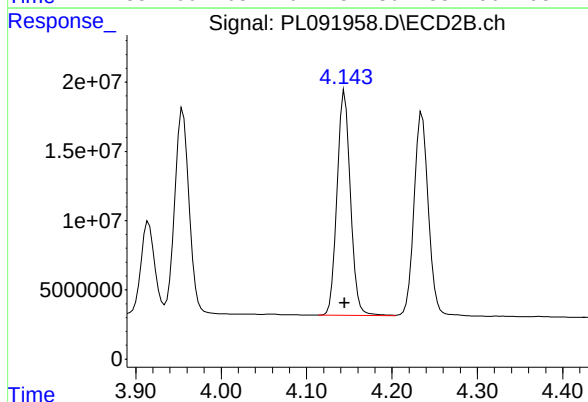
R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 73292412  
Conc: 50.00 ng/ml



#7 delta-BHC

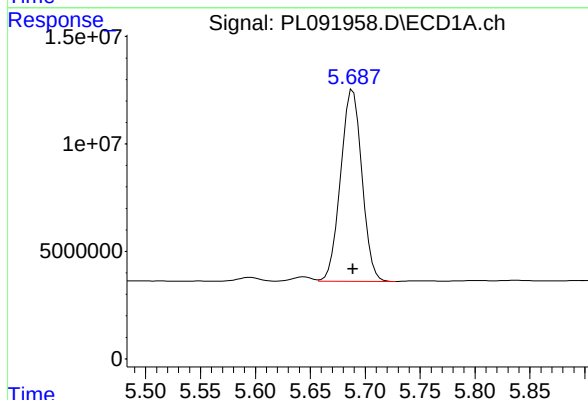
R.T.: 4.777 min  
Delta R.T.: 0.000 min  
Response: 138938121  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



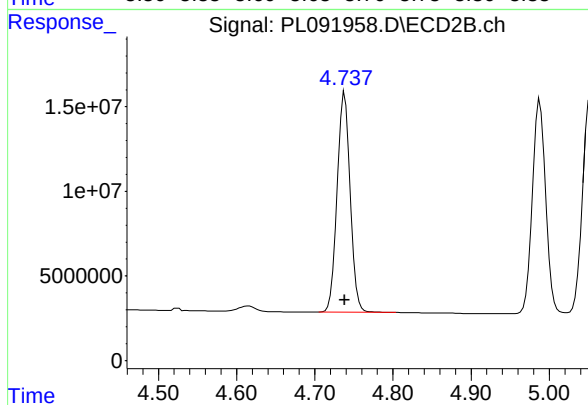
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 175465800  
Conc: 50.00 ng/ml



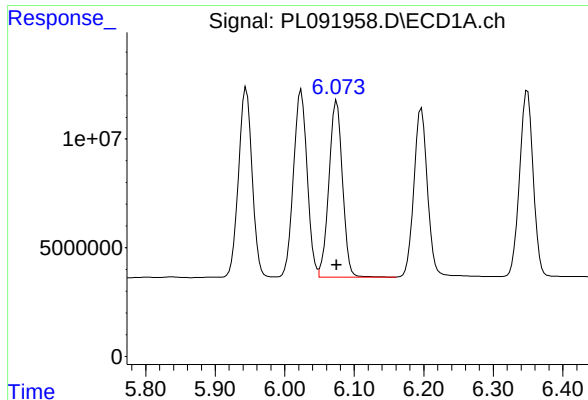
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 120530054  
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

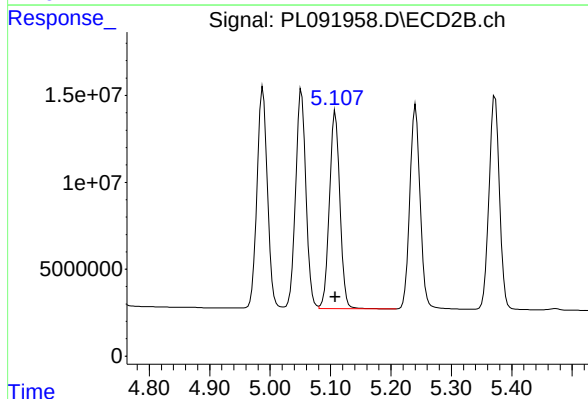
R.T.: 4.738 min  
Delta R.T.: 0.000 min  
Response: 150620562  
Conc: 50.00 ng/ml



#9 Endosulfan I

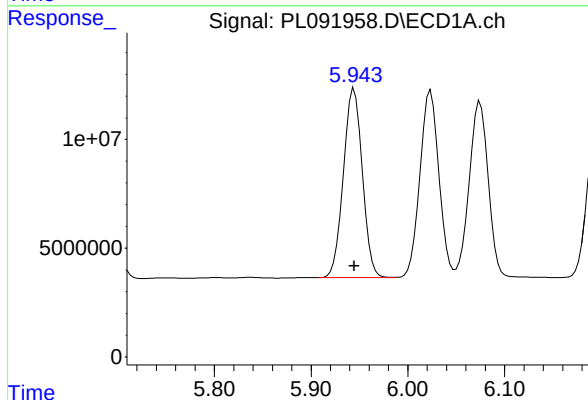
R.T.: 6.075 min  
Delta R.T.: 0.000 min  
Response: 110364978  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



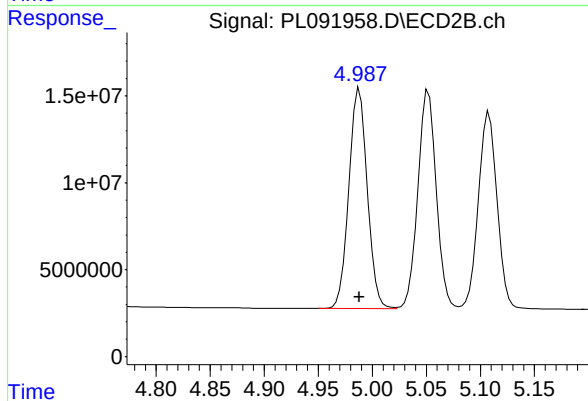
#9 Endosulfan I

R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 137068016  
Conc: 50.00 ng/ml



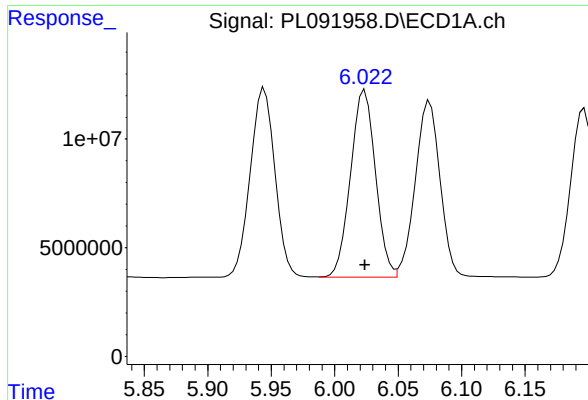
#10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 117872862  
Conc: 50.00 ng/ml



#10 gamma-Chlordane

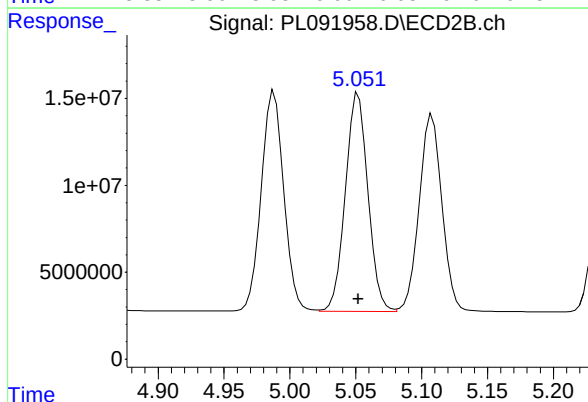
R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 150403178  
Conc: 50.00 ng/ml



#11 alpha-Chlordane

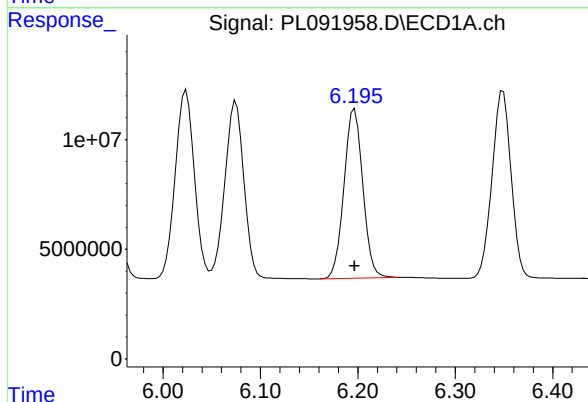
R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 117698011  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



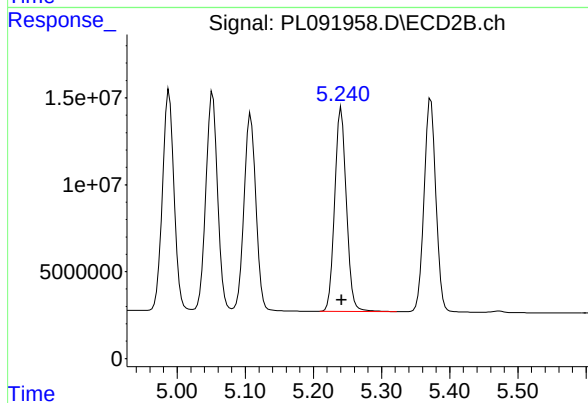
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 149515666  
Conc: 50.00 ng/ml



#12 4,4'-DDE

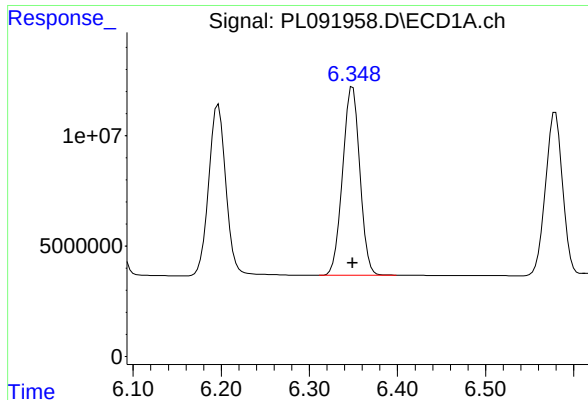
R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 103591524  
Conc: 50.00 ng/ml



#12 4,4'-DDE

R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 139829847  
Conc: 50.00 ng/ml

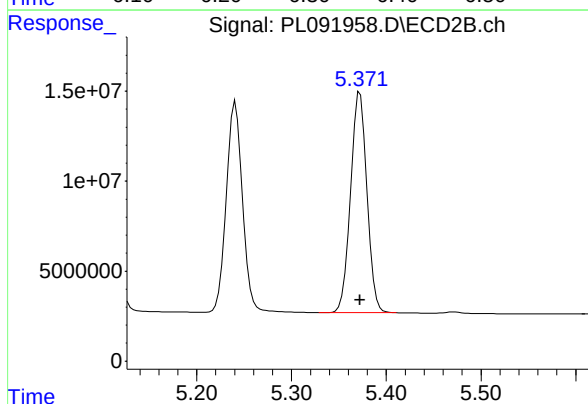




#13 Dieldrin

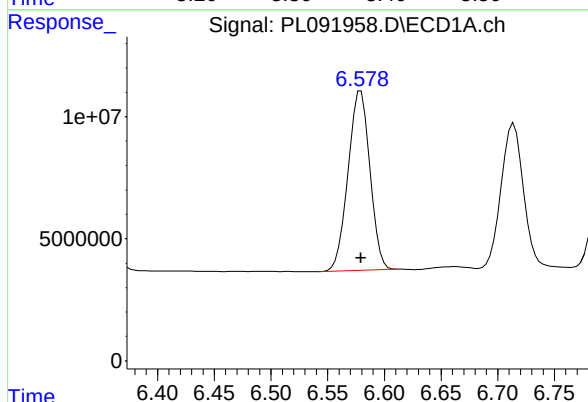
R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 116479479  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



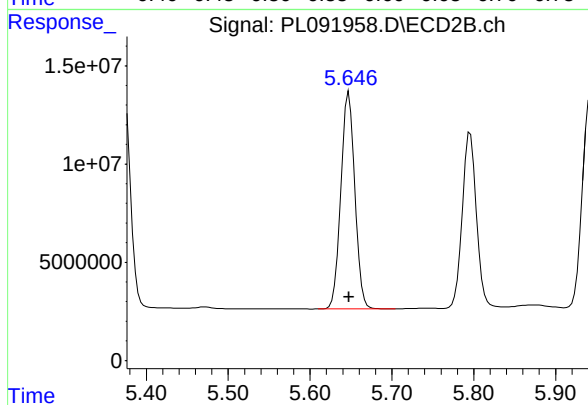
#13 Dieldrin

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 147359155  
Conc: 50.00 ng/ml



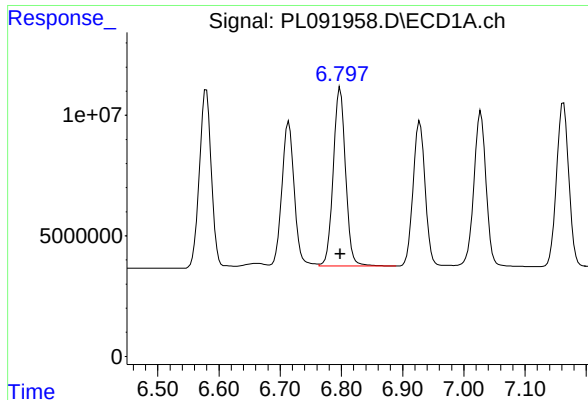
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 98582726  
Conc: 50.00 ng/ml



#14 Endrin

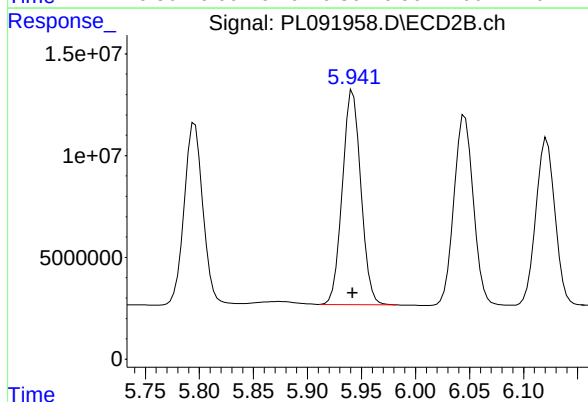
R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 131228630  
Conc: 50.00 ng/ml



#15 Endosulfan II

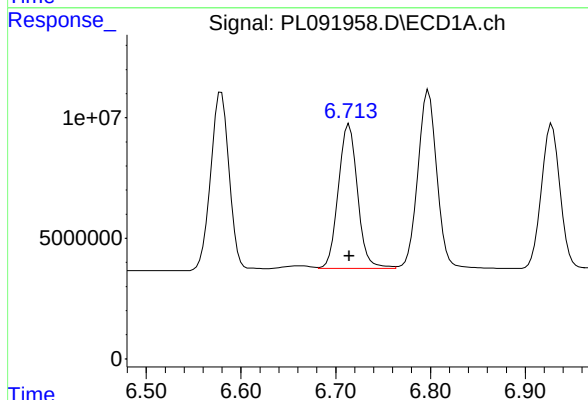
R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 103160112  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



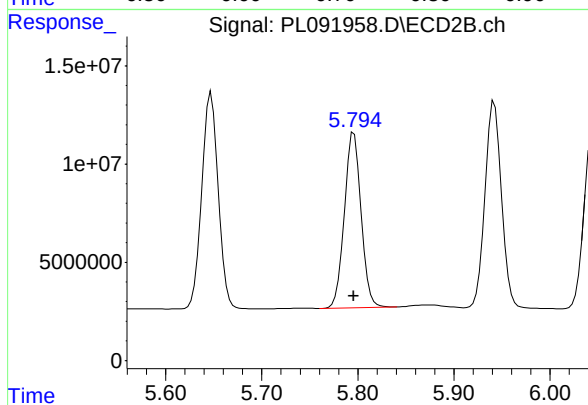
#15 Endosulfan II

R.T.: 5.942 min  
Delta R.T.: 0.000 min  
Response: 125327671  
Conc: 50.00 ng/ml



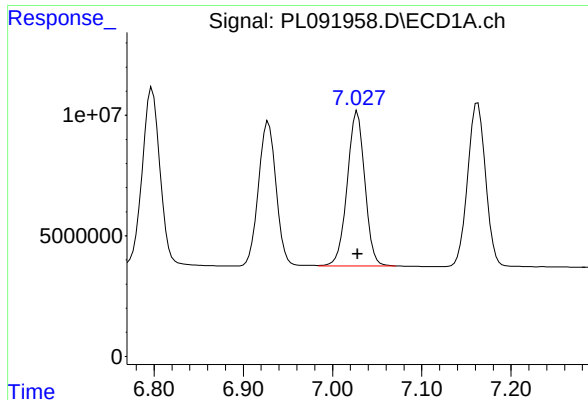
#16 4,4'-DDD

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 83925087  
Conc: 50.00 ng/ml



#16 4,4'-DDD

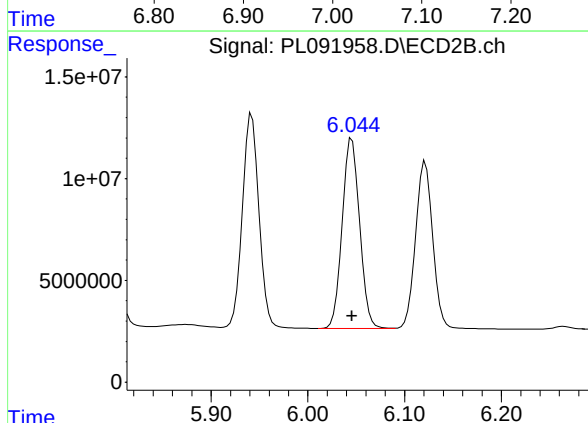
R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 106992744  
Conc: 50.00 ng/ml



#17 4,4'-DDT

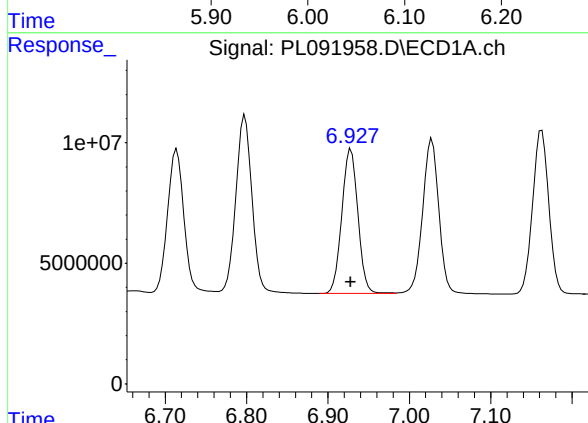
R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 87708743  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



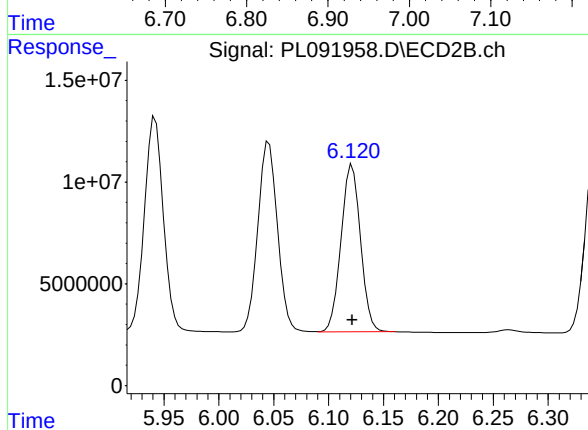
#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: 0.000 min  
Response: 116476772  
Conc: 50.00 ng/ml



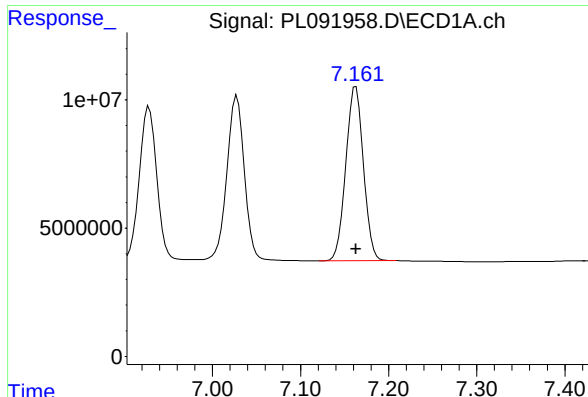
#18 Endrin aldehyde

R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 82365868  
Conc: 50.00 ng/ml



#18 Endrin aldehyde

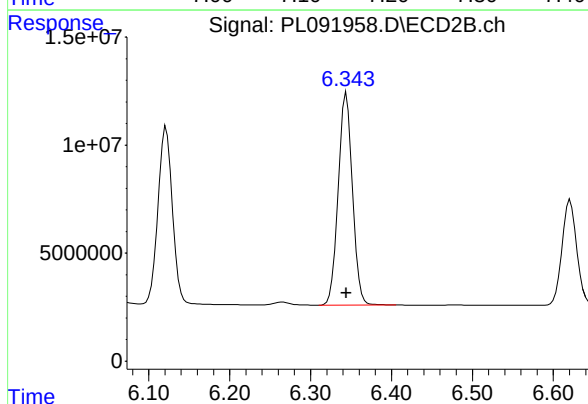
R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100998643  
Conc: 50.00 ng/ml



## #19 Endosulfan Sulfate

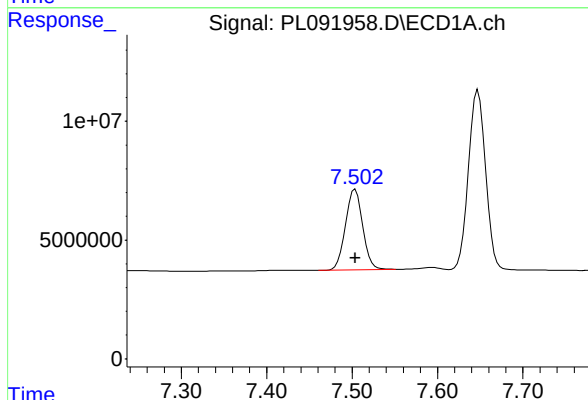
R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 94470405  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



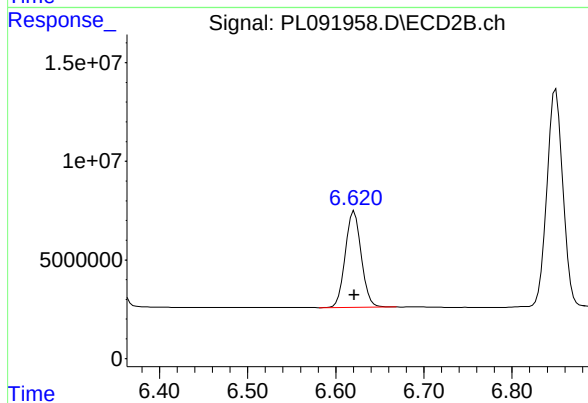
## #19 Endosulfan Sulfate

R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 120126007  
Conc: 50.00 ng/ml



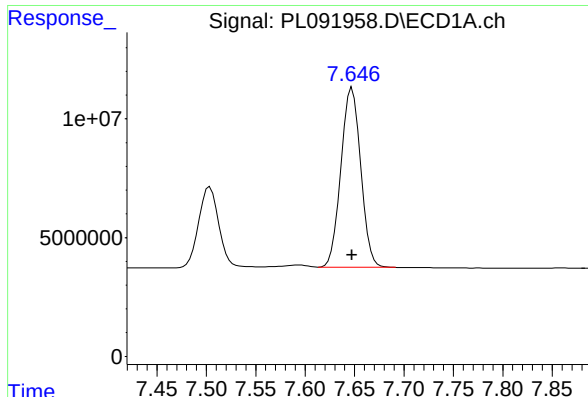
## #20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.000 min  
Response: 47708430  
Conc: 50.00 ng/ml



## #20 Methoxychlor

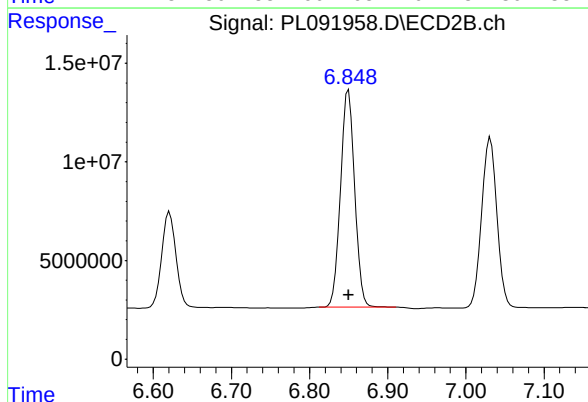
R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 61703976  
Conc: 50.00 ng/ml



#21 Endrin ketone

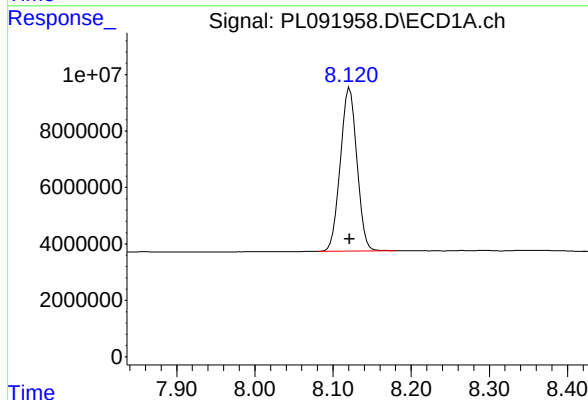
R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 105235059  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



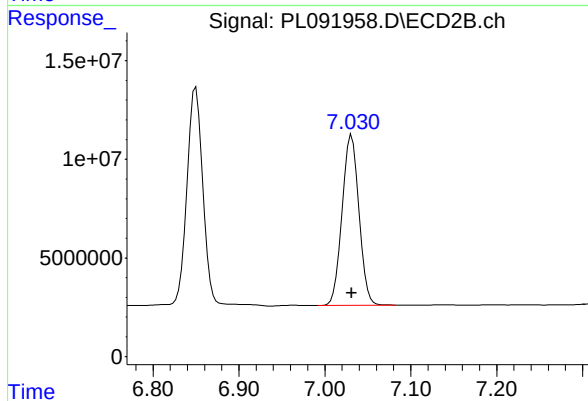
#21 Endrin ketone

R.T.: 6.850 min  
Delta R.T.: 0.000 min  
Response: 138942194  
Conc: 50.00 ng/ml



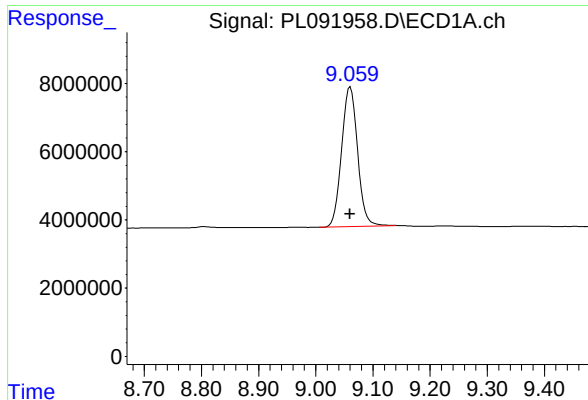
#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 85437944  
Conc: 50.00 ng/ml



#22 Mirex

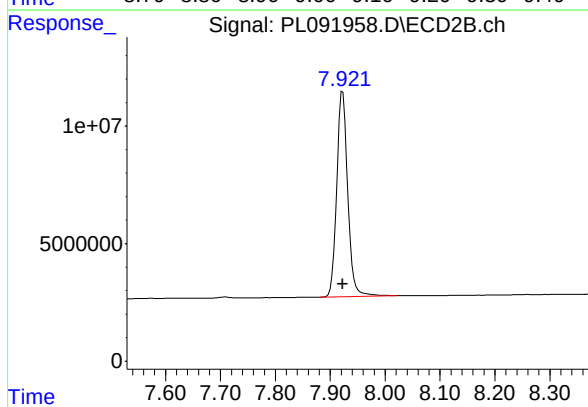
R.T.: 7.031 min  
Delta R.T.: 0.000 min  
Response: 117135847  
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 79539342  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 121423717  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091959.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 12:12  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC025

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/24/2024

Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 23 12:43:36 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 12:36:16 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.543 | 2.782 | 54937010 | 59624711 | 25.562  | 24.081 |
| 28) SA Decachlor...         | 9.059 | 7.923 | 41073352 | 61966386 | 26.102  | 25.603 |
| Target Compounds            |       |       |          |          |         |        |
| 2) A alpha-BHC              | 3.999 | 3.286 | 74074890 | 85371658 | 24.618  | 23.028 |
| 3) MA gamma-BHC...          | 4.331 | 3.616 | 73865719 | 82813172 | 24.949  | 23.172 |
| 4) MA Heptachlor            | 4.920 | 3.955 | 68298152 | 80960696 | 25.948  | 23.711 |
| 5) MB Aldrin                | 5.262 | 4.236 | 67254977 | 79381808 | 25.427  | 23.273 |
| 6) B beta-BHC               | 4.529 | 3.915 | 32575804 | 35498092 | 25.846  | 24.409 |
| 7) B delta-BHC              | 4.776 | 4.145 | 69935067 | 80745917 | 25.033  | 22.996 |
| 8) B Heptachlo...           | 5.687 | 4.738 | 62343383 | 71825079 | 25.729m | 23.996 |
| 9) A Endosulfan I           | 6.074 | 5.108 | 57087002 | 65341726 | 25.971  | 23.963 |
| 10) B gamma-Chl...          | 5.945 | 4.988 | 60585043 | 71022919 | 25.753  | 23.664 |
| 11) B alpha-Chl...          | 6.023 | 5.052 | 60598011 | 71035000 | 25.826  | 23.875 |
| 12) B 4,4'-DDE              | 6.197 | 5.241 | 52611782 | 65370544 | 25.389  | 23.409 |
| 13) MA Dieldrin             | 6.349 | 5.372 | 59510130 | 68975524 | 25.589  | 23.441 |
| 14) MA Endrin               | 6.579 | 5.648 | 50407587 | 61937887 | 25.643  | 23.666 |
| 15) B Endosulfa...          | 6.799 | 5.942 | 54023259 | 59969308 | 26.279  | 24.074 |
| 16) A 4,4'-DDD              | 6.714 | 5.796 | 43620120 | 49823326 | 25.949  | 23.231 |
| 17) MA 4,4'-DDT             | 7.028 | 6.046 | 45112797 | 54599950 | 25.676  | 23.382 |
| 18) B Endrin al...          | 6.928 | 6.121 | 43011520 | 49279615 | 26.244  | 24.545 |
| 19) B Endosulfa...          | 7.163 | 6.344 | 49193811 | 57864995 | 26.187  | 24.256 |
| 20) A Methoxychlor          | 7.503 | 6.621 | 24340566 | 30579607 | 25.836  | 24.922 |
| 21) B Endrin ke...          | 7.648 | 6.850 | 53814546 | 66992334 | 25.715  | 24.281 |
| 22) Mirex                   | 8.121 | 7.031 | 45018343 | 60930117 | 26.603  | 26.015 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091959.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 12:12  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC025

## Manual Integrations

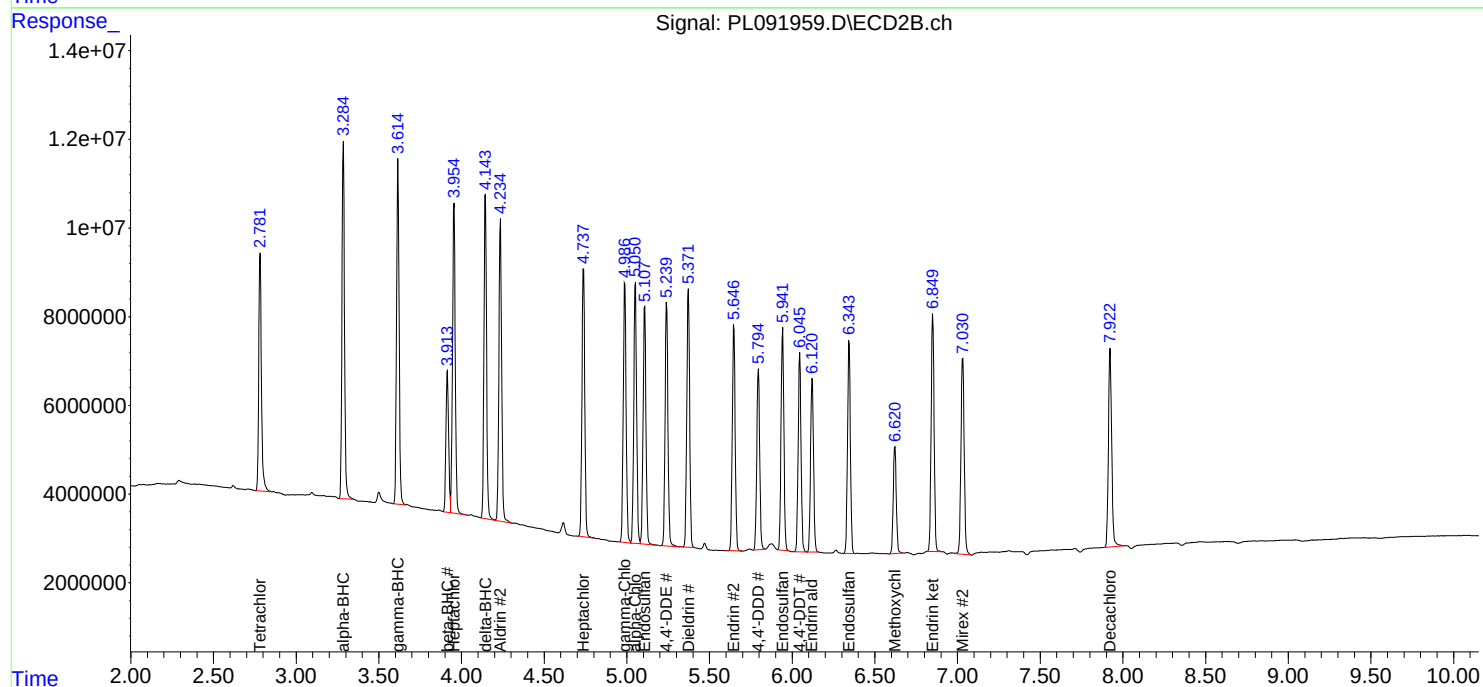
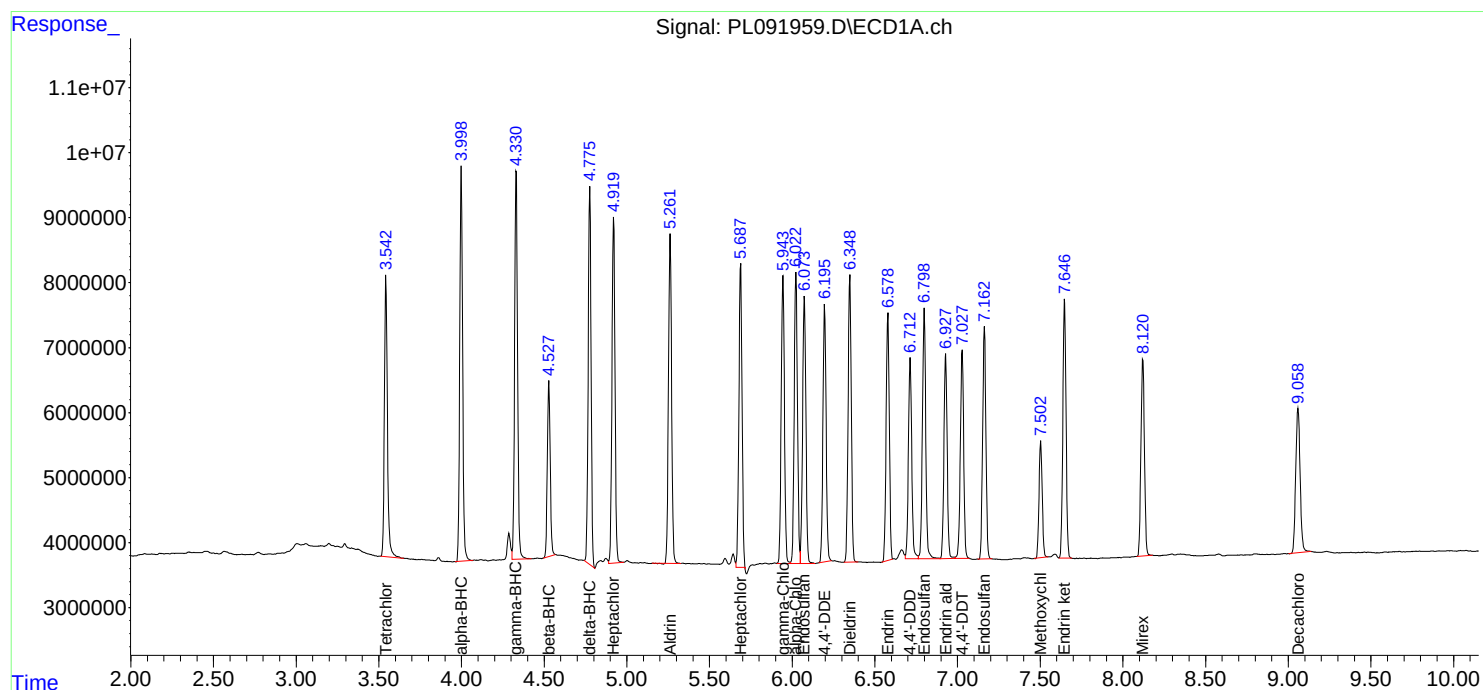
## APPROVED

Reviewed By :Abdul Mirza 09/24/2024

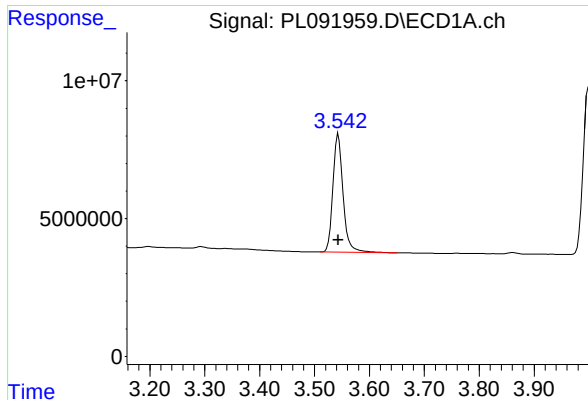
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 12:43:36 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 12:36:16 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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







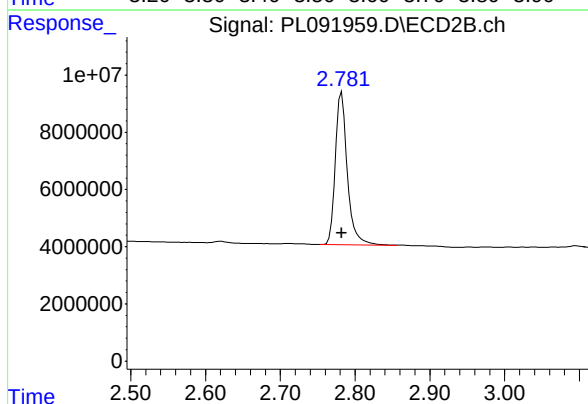
## #1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: 0.000 min  
Response: 54937010  
Conc: 25.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

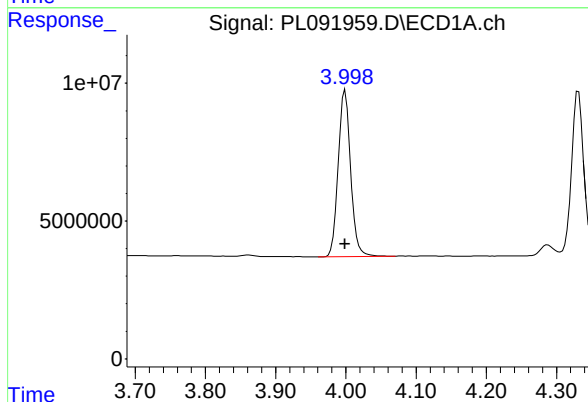
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



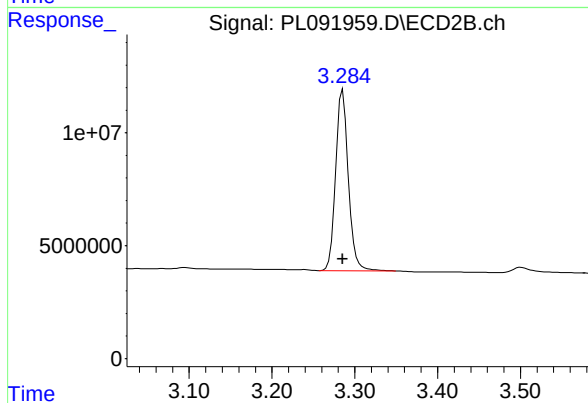
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 59624711  
Conc: 24.08 ng/ml



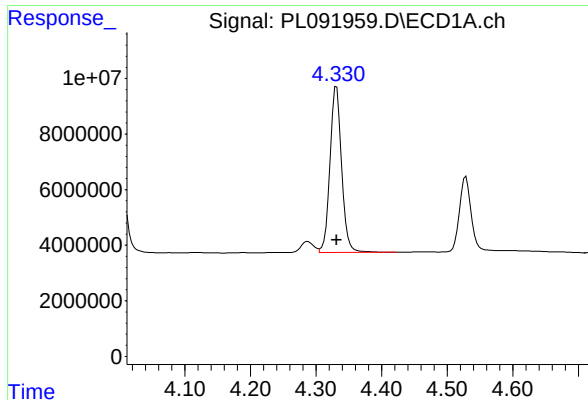
## #2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 74074890  
Conc: 24.62 ng/ml



## #2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 85371658  
Conc: 23.03 ng/ml



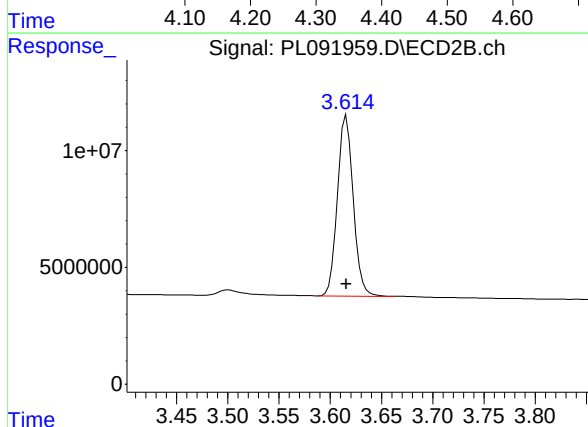
## #3 gamma-BHC (Lindane)

R.T.: 4.331 min  
Delta R.T.: 0.000 min  
Response: 73865719  
Conc: 24.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

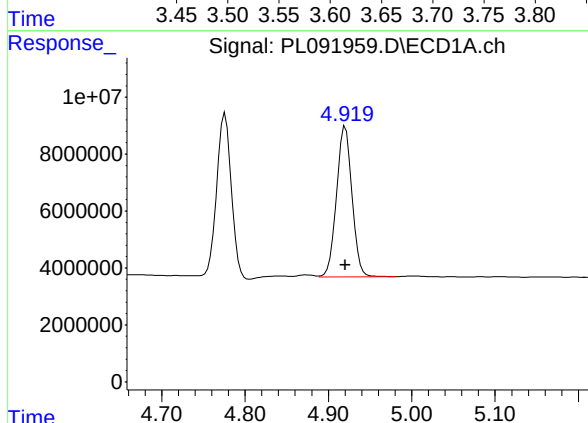
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



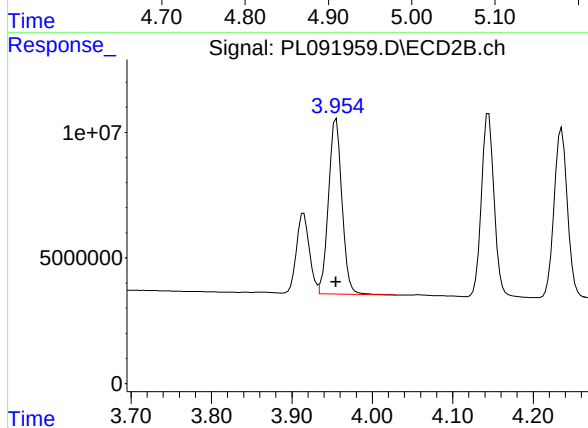
## #3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 82813172  
Conc: 23.17 ng/ml



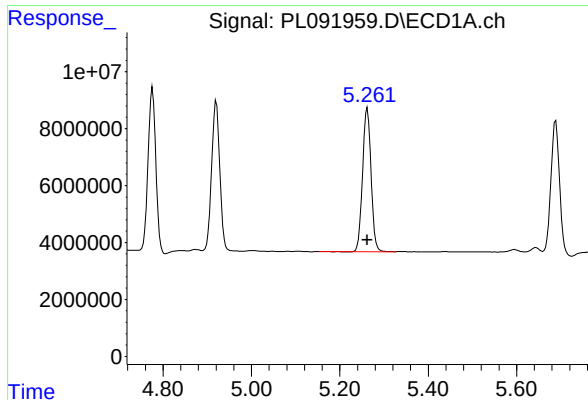
## #4 Heptachlor

R.T.: 4.920 min  
Delta R.T.: 0.000 min  
Response: 68298152  
Conc: 25.95 ng/ml



## #4 Heptachlor

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 80960696  
Conc: 23.71 ng/ml



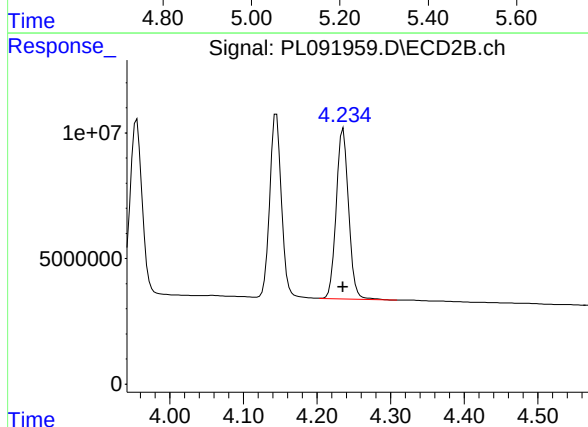
#5 Aldrin

R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 67254977  
Conc: 25.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

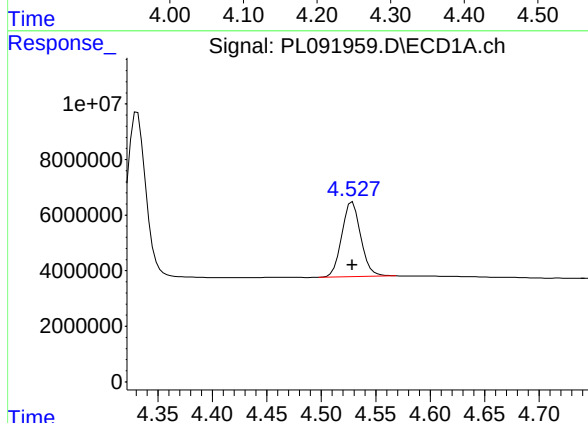
Manual Integrations  
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Supervised By :Ankita Jodhani 09/24/2024



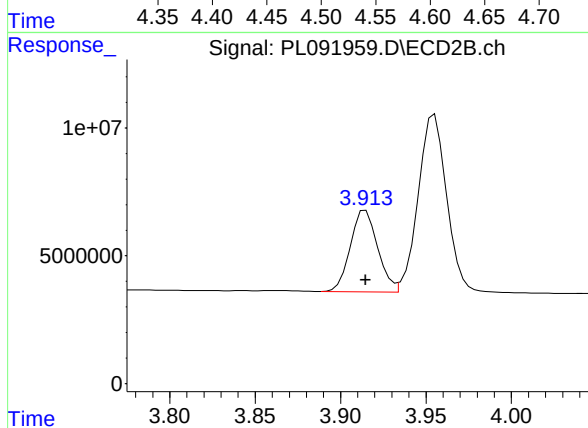
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 79381808  
Conc: 23.27 ng/ml



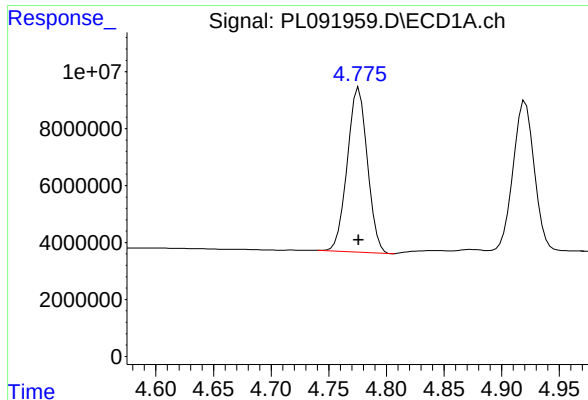
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 32575804  
Conc: 25.85 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 35498092  
Conc: 24.41 ng/ml



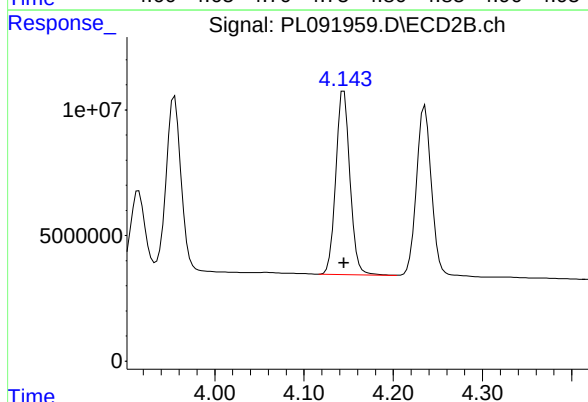
#7 delta-BHC

R.T.: 4.776 min  
Delta R.T.: 0.000 min  
Response: 69935067  
Conc: 25.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

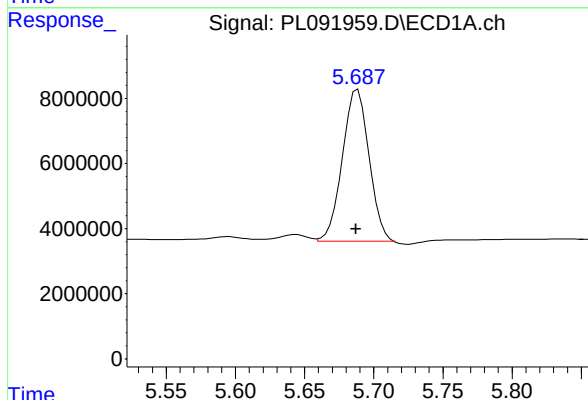
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 09/24/2024



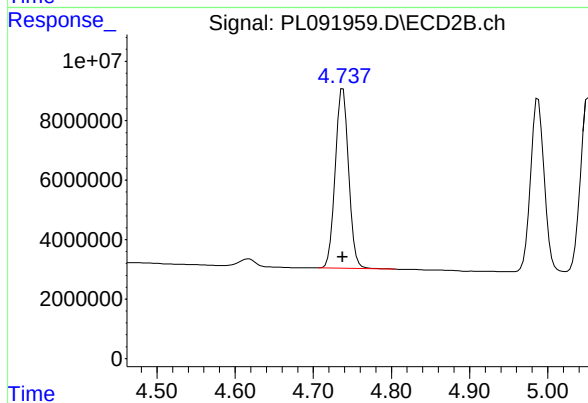
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 80745917  
Conc: 23.00 ng/ml



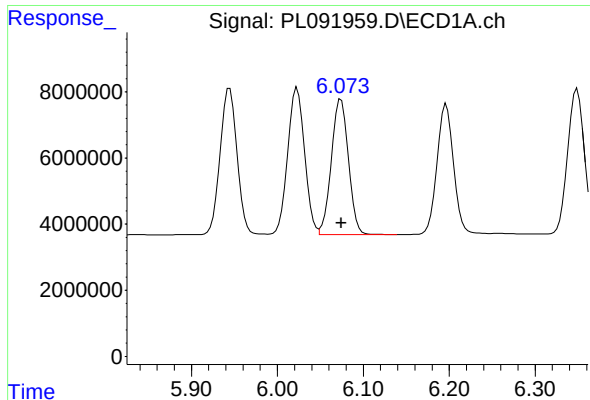
#8 Heptachlor epoxide

R.T.: 5.687 min  
Delta R.T.: 0.000 min  
Response: 62343383  
Conc: 25.73 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.738 min  
Delta R.T.: 0.000 min  
Response: 71825079  
Conc: 24.00 ng/ml



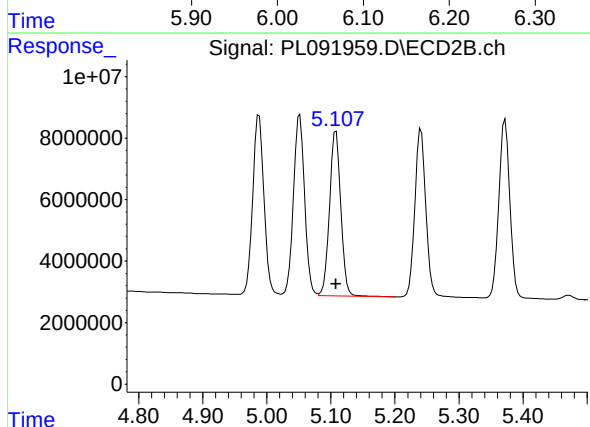
## #9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 57087002  
Conc: 25.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

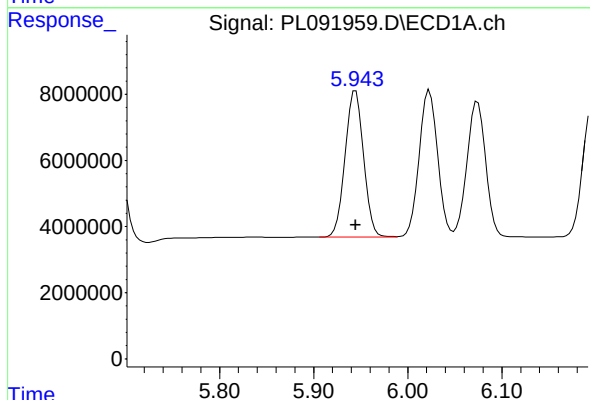
Manual Integrations  
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Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



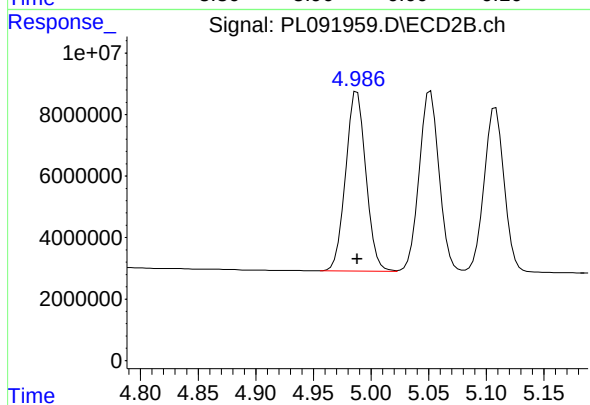
## #9 Endosulfan I

R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 65341726  
Conc: 23.96 ng/ml



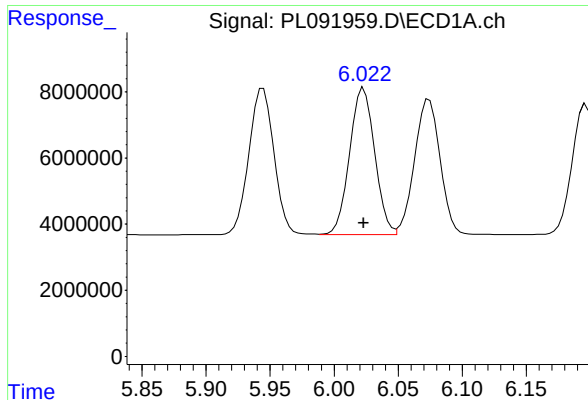
## #10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 60585043  
Conc: 25.75 ng/ml



## #10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 71022919  
Conc: 23.66 ng/ml



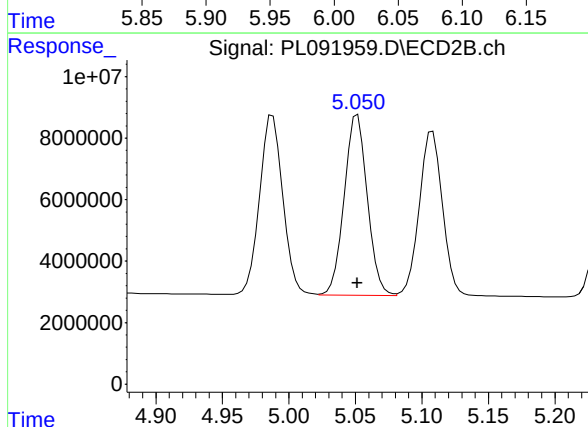
#11 alpha-Chlordane

R.T.: 6.023 min  
Delta R.T.: 0.000 min  
Response: 60598011  
Conc: 25.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

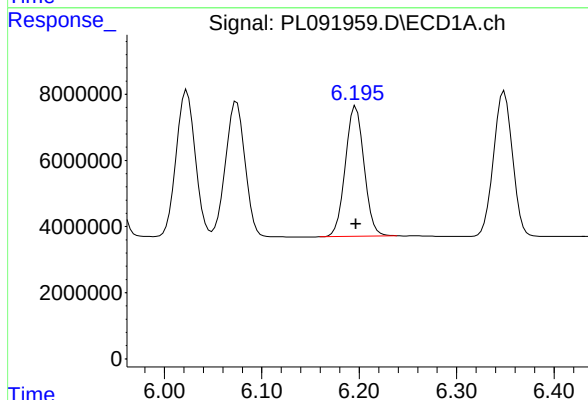
Manual Integrations  
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Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



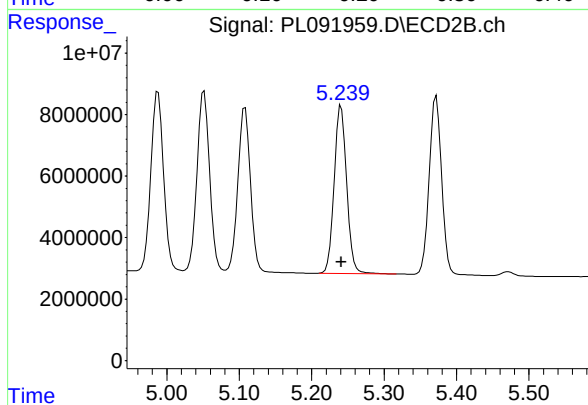
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 71035000  
Conc: 23.88 ng/ml



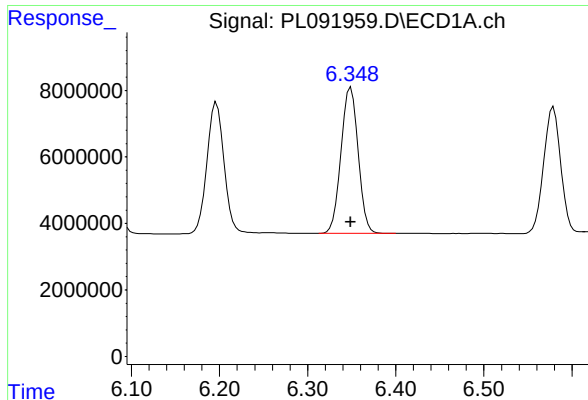
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 52611782  
Conc: 25.39 ng/ml



#12 4,4'-DDE

R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 65370544  
Conc: 23.41 ng/ml



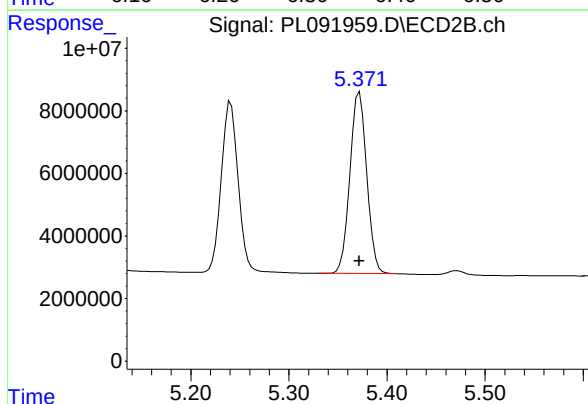
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 59510130  
Conc: 25.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

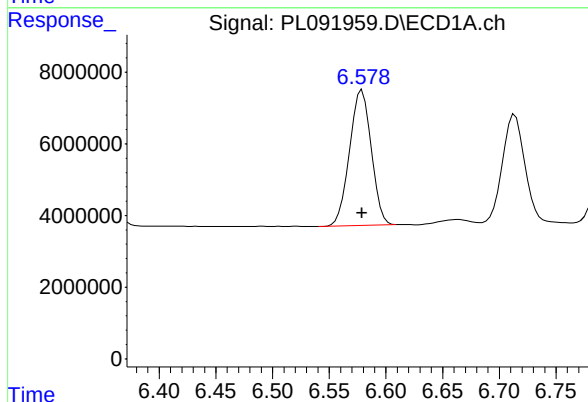
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



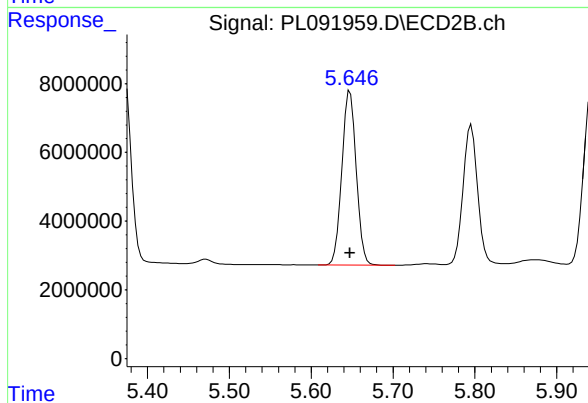
#13 Dieldrin

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 68975524  
Conc: 23.44 ng/ml



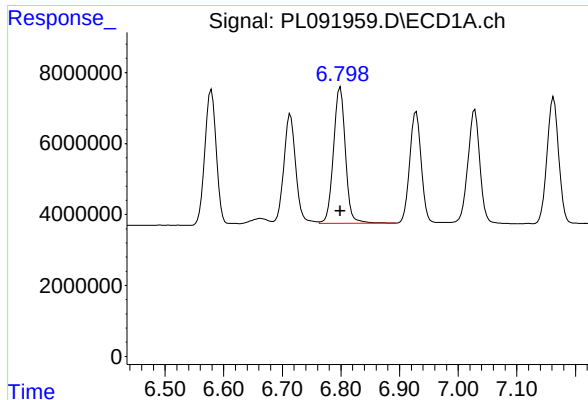
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 50407587  
Conc: 25.64 ng/ml



#14 Endrin

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 61937887  
Conc: 23.67 ng/ml



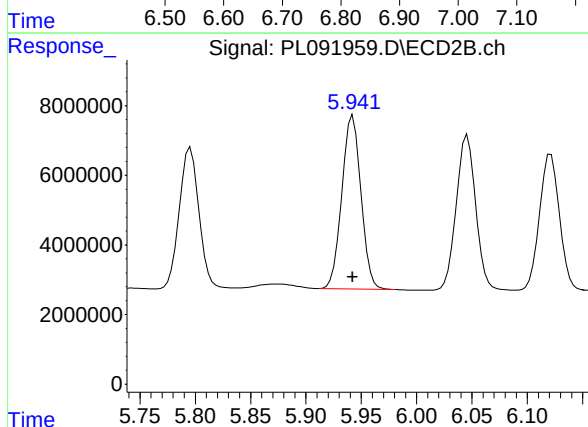
## #15 Endosulfan II

R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 54023259  
Conc: 26.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

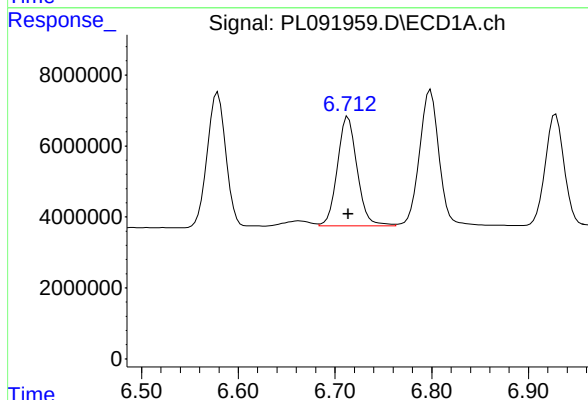
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



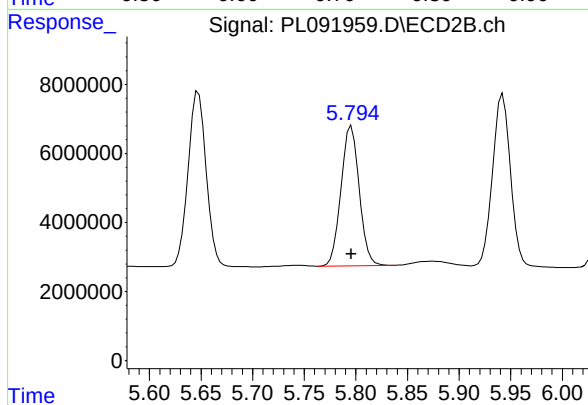
## #15 Endosulfan II

R.T.: 5.942 min  
Delta R.T.: 0.000 min  
Response: 59969308  
Conc: 24.07 ng/ml



## #16 4,4'-DDD

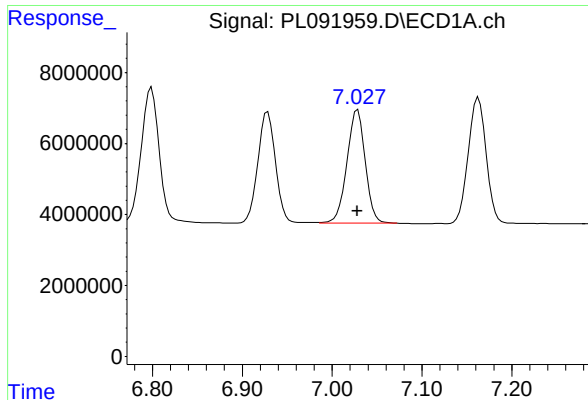
R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 43620120  
Conc: 25.95 ng/ml



## #16 4,4'-DDD

R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 49823326  
Conc: 23.23 ng/ml





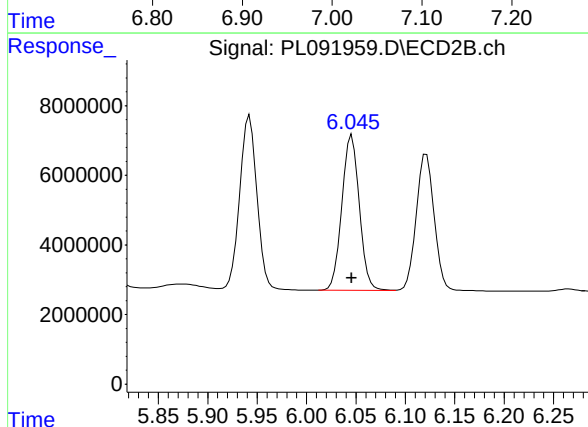
#17 4,4'-DDT

R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 45112797  
Conc: 25.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

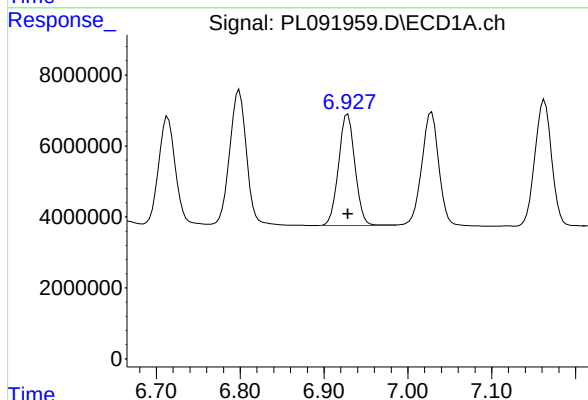
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



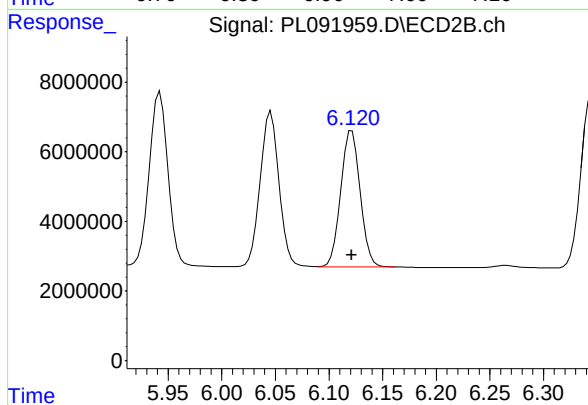
#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: 0.000 min  
Response: 54599950  
Conc: 23.38 ng/ml



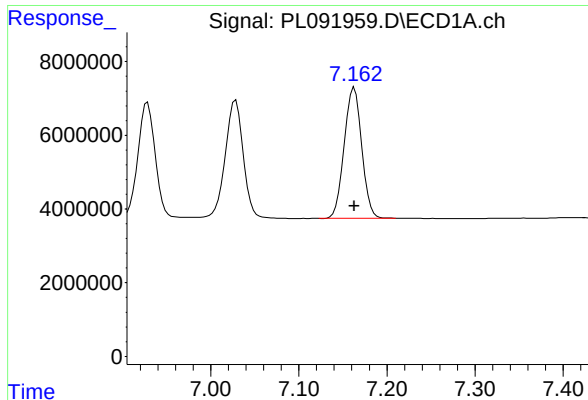
#18 Endrin aldehyde

R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 43011520  
Conc: 26.24 ng/ml



#18 Endrin aldehyde

R.T.: 6.121 min  
Delta R.T.: 0.000 min  
Response: 49279615  
Conc: 24.54 ng/ml



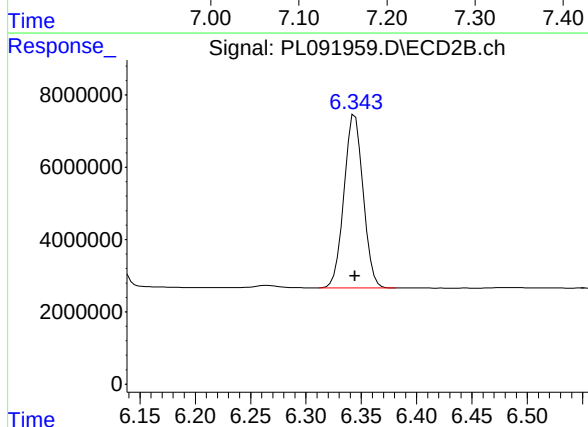
## #19 Endosulfan Sulfate

R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 49193811  
Conc: 26.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

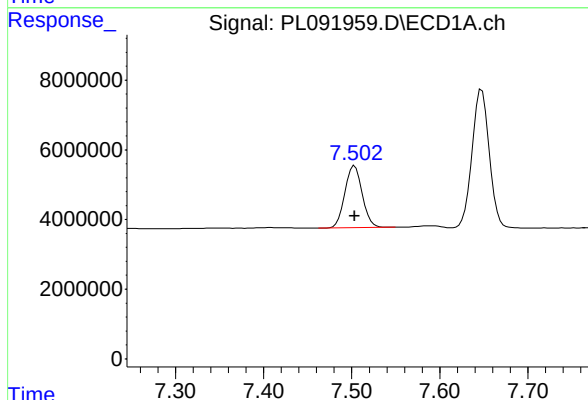
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



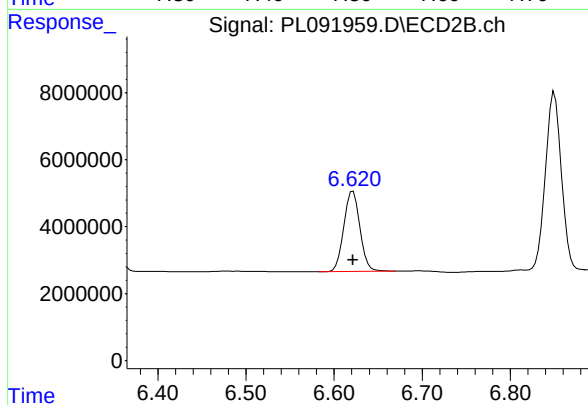
## #19 Endosulfan Sulfate

R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 57864995  
Conc: 24.26 ng/ml



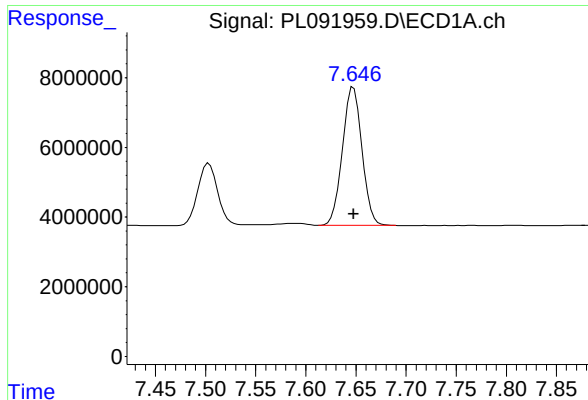
## #20 Methoxychlor

R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 24340566  
Conc: 25.84 ng/ml



## #20 Methoxychlor

R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 30579607  
Conc: 24.92 ng/ml



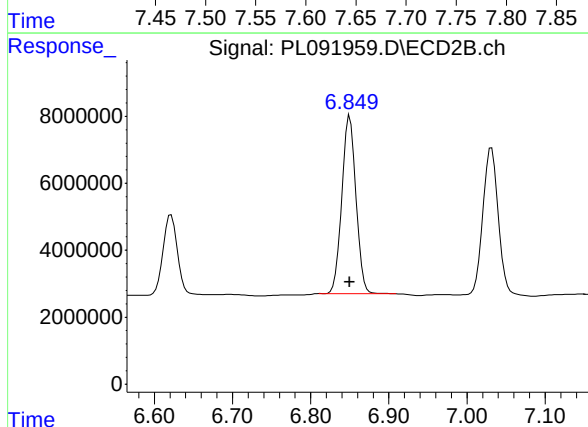
## #21 Endrin ketone

R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 53814546  
Conc: 25.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

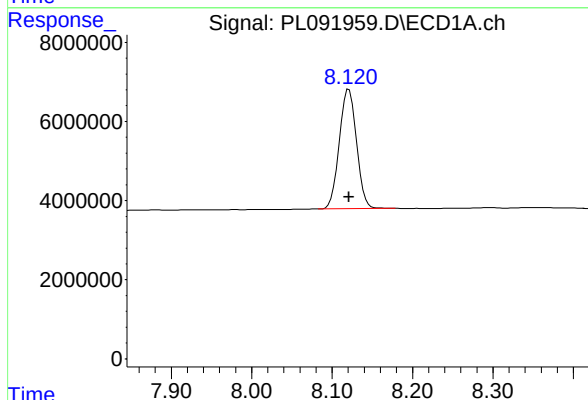
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



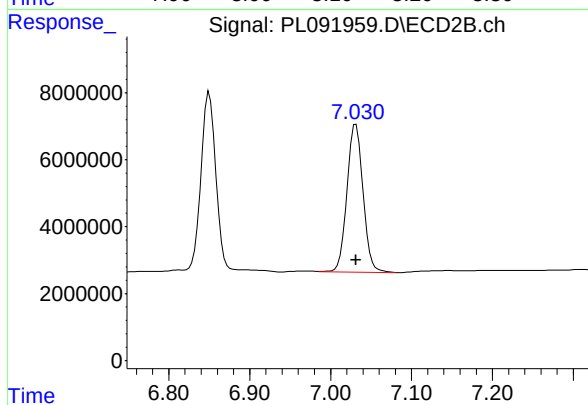
## #21 Endrin ketone

R.T.: 6.850 min  
Delta R.T.: 0.000 min  
Response: 66992334  
Conc: 24.28 ng/ml



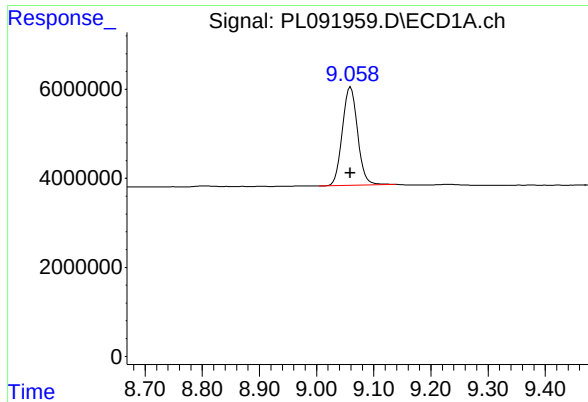
## #22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 45018343  
Conc: 26.60 ng/ml



## #22 Mirex

R.T.: 7.031 min  
Delta R.T.: 0.000 min  
Response: 60930117  
Conc: 26.02 ng/ml



#28 Decachlorobiphenyl

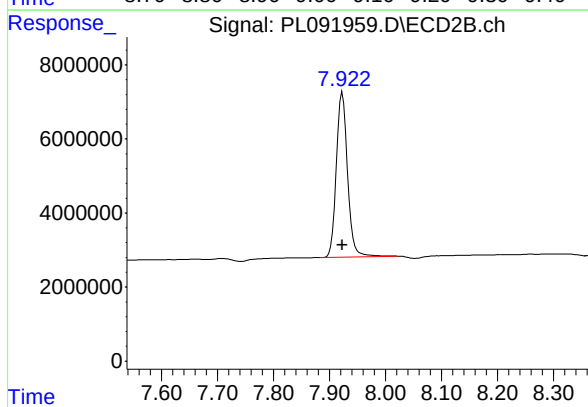
ICAL Form

R.T.: 9.059 min  
Delta R.T.: 0.000 min  
Response: 41073352  
Conc: 26.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

Manual Integrations  
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Supervised By :Ankita Jodhani 09/24/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 61966386  
Conc: 25.60 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091960.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 12:26  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC005

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/24/2024

Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 23 12:47:03 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 12:46:38 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.543 | 2.782 | 12633129 | 13182145 | 5.679  | 5.256  |
| 28) SA Decachlor...         | 9.059 | 7.923 | 9484821  | 14143204 | 5.790  | 5.653  |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.999 | 3.285 | 17234641 | 16938621 | 5.566  | 4.649  |
| 3) MA gamma-BHC...          | 4.331 | 3.615 | 18256381 | 16798623 | 5.891  | 4.758  |
| 4) MA Heptachlor            | 4.919 | 3.955 | 16494140 | 17975038 | 5.973m | 5.209  |
| 5) MB Aldrin                | 5.262 | 4.235 | 16538396 | 16809155 | 5.954  | 4.942  |
| 6) B beta-BHC               | 4.529 | 3.915 | 7951520  | 8491709  | 5.995  | 5.649  |
| 7) B delta-BHC              | 4.774 | 4.144 | 16230374 | 16566283 | 5.661m | 4.772  |
| 8) B Heptachlo...           | 5.687 | 4.737 | 15229887 | 15706926 | 6.010m | 5.196  |
| 9) A Endosulfan I           | 6.074 | 5.108 | 13873483 | 14080406 | 5.997  | 5.130  |
| 10) B gamma-Chl...          | 5.944 | 4.988 | 14729856 | 15187516 | 5.961  | 5.048  |
| 11) B alpha-Chl...          | 6.023 | 5.052 | 14655099 | 15333163 | 5.949  | 5.122  |
| 12) B 4,4'-DDE              | 6.196 | 5.241 | 12666670 | 13620254 | 5.852  | 4.901  |
| 13) MA Dieldrin             | 6.349 | 5.372 | 14459648 | 14445705 | 5.929  | 4.927  |
| 14) MA Endrin               | 6.578 | 5.647 | 12202391 | 13210948 | 5.921  | 5.038  |
| 15) B Endosulfa...          | 6.798 | 5.942 | 13878055 | 12738836 | 6.309  | 5.091  |
| 16) A 4,4'-DDD              | 6.713 | 5.795 | 11272715 | 10512441 | 6.382  | 4.921  |
| 17) MA 4,4'-DDT             | 7.027 | 6.046 | 10890247 | 11127077 | 5.915  | 4.810  |
| 18) B Endrin al...          | 6.928 | 6.122 | 10790390 | 10863269 | 6.192  | 5.323  |
| 19) B Endosulfa...          | 7.162 | 6.345 | 11985801 | 12600844 | 6.046  | 5.223  |
| 20) A Methoxychlor          | 7.502 | 6.621 | 5700396  | 6718459  | 5.819m | 5.373  |
| 21) B Endrin ke...          | 7.647 | 6.848 | 13084630 | 14041873 | 5.954  | 5.068m |
| 22) Mirex                   | 8.120 | 7.031 | 11179921 | 13974423 | 6.208  | 5.745  |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091960.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 12:26  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC005

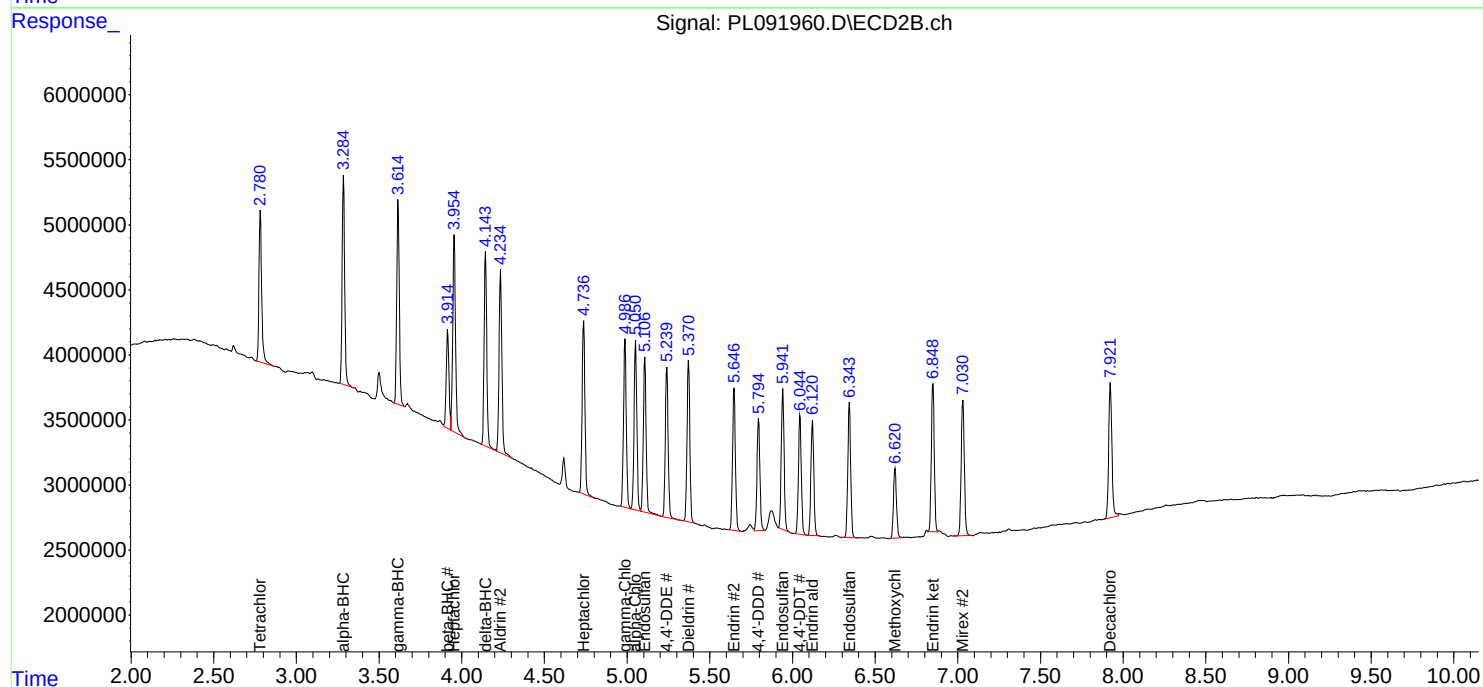
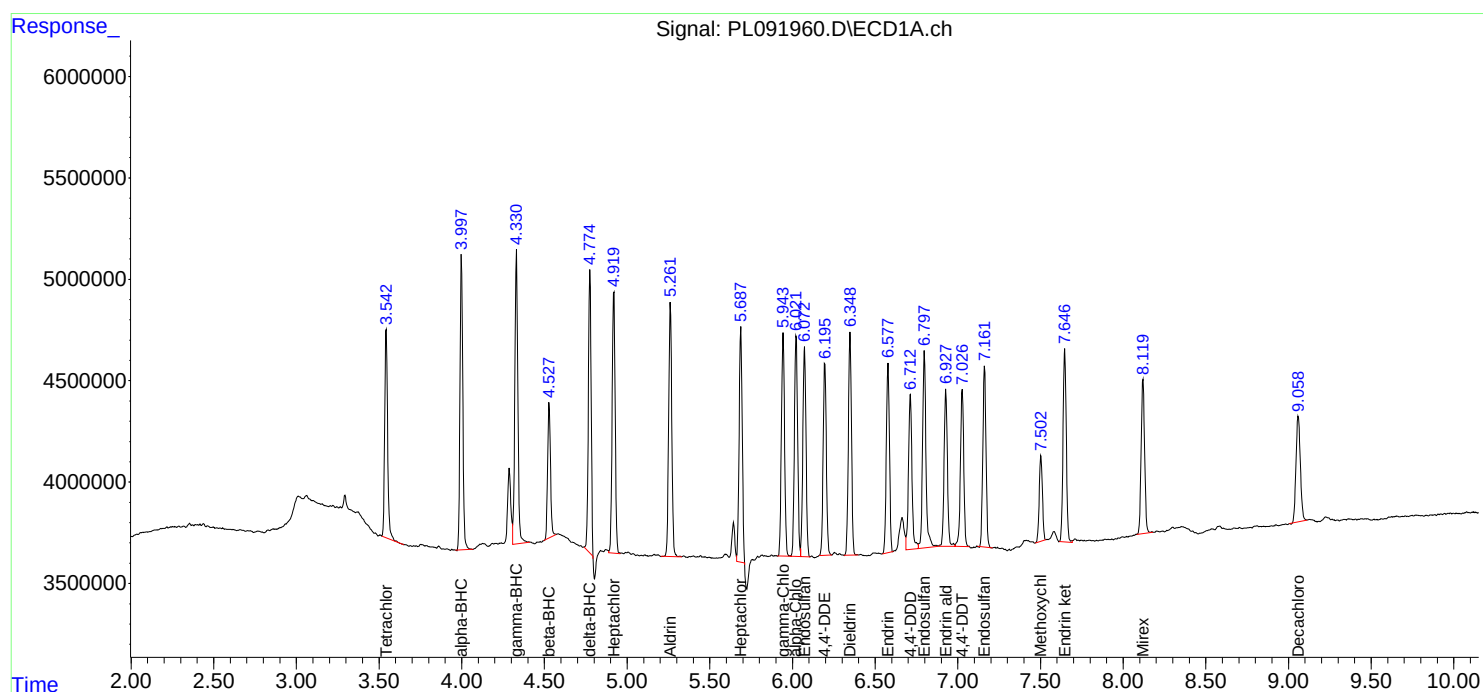
## Manual Integrations

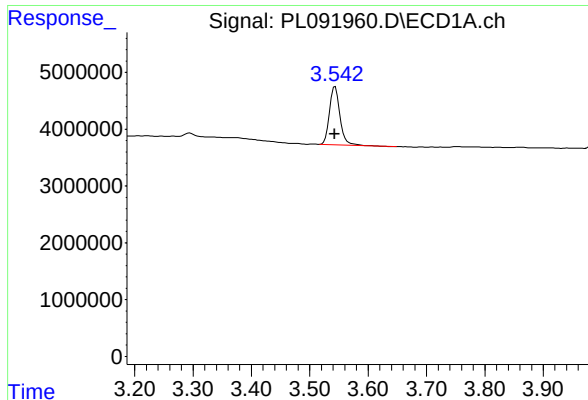
## APPROVED

Reviewed By : Abdul Mirza 09/24/2024  
Supervised By : Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 12:47:03 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 12:46:38 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





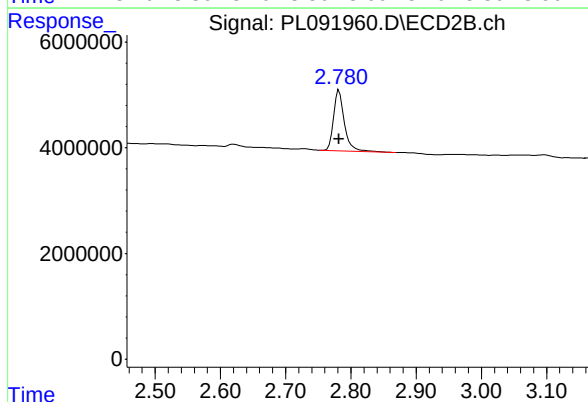
## #1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: 0.000 min  
Response: 12633129  
Conc: 5.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

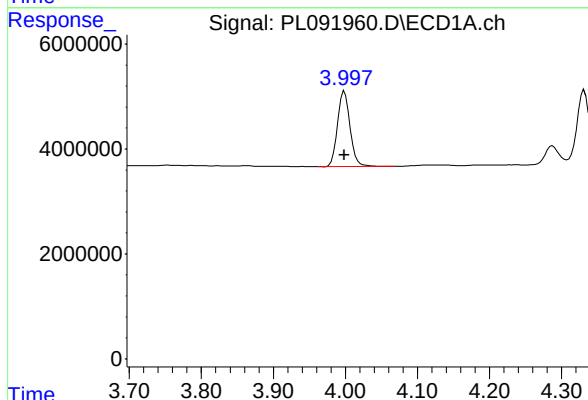
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



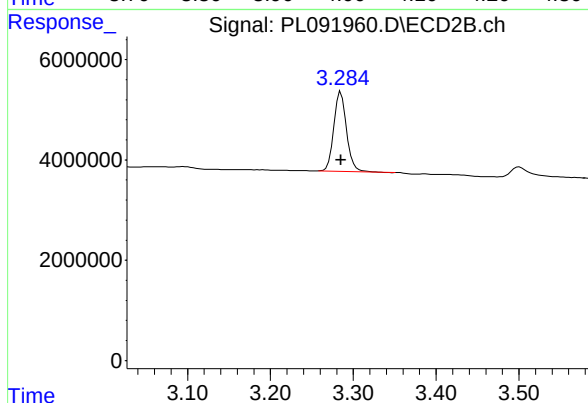
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 13182145  
Conc: 5.26 ng/ml



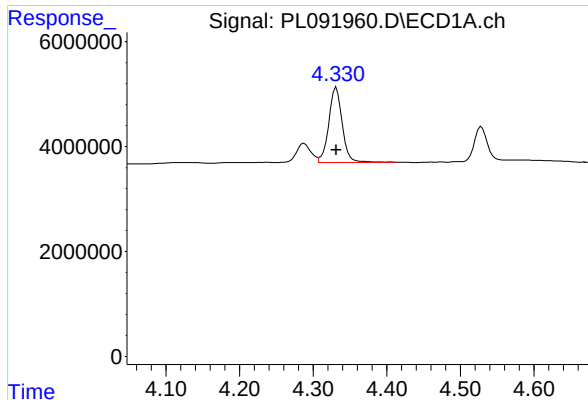
## #2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 17234641  
Conc: 5.57 ng/ml



## #2 alpha-BHC

R.T.: 3.285 min  
Delta R.T.: 0.000 min  
Response: 16938621  
Conc: 4.65 ng/ml



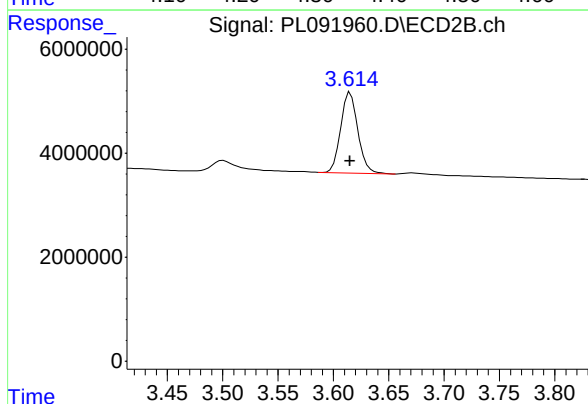
## #3 gamma-BHC (Lindane)

R.T.: 4.331 min  
Delta R.T.: 0.000 min  
Response: 18256381  
Conc: 5.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

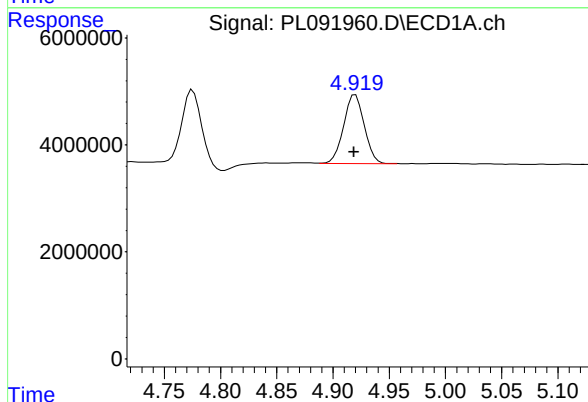
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 09/24/2024



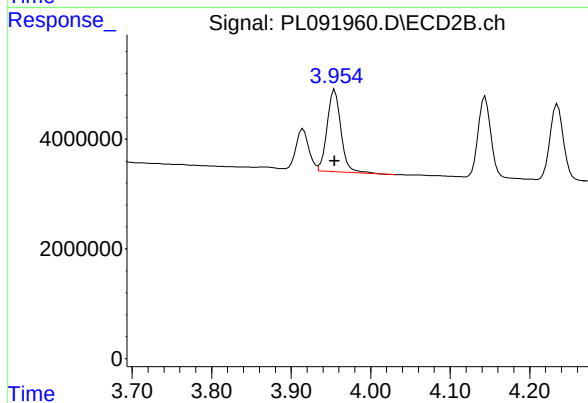
## #3 gamma-BHC (Lindane)

R.T.: 3.615 min  
Delta R.T.: 0.000 min  
Response: 16798623  
Conc: 4.76 ng/ml



## #4 Heptachlor

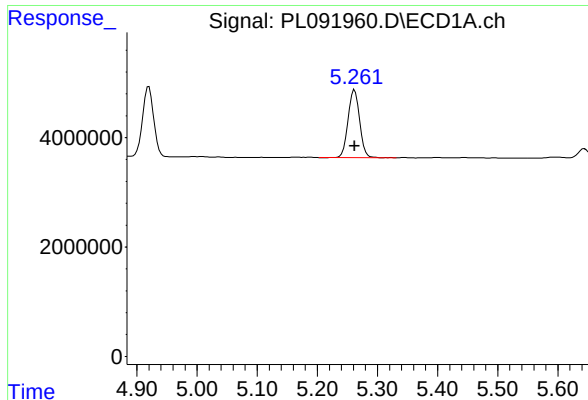
R.T.: 4.919 min  
Delta R.T.: 0.000 min  
Response: 16494140  
Conc: 5.97 ng/ml m



## #4 Heptachlor

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 17975038  
Conc: 5.21 ng/ml





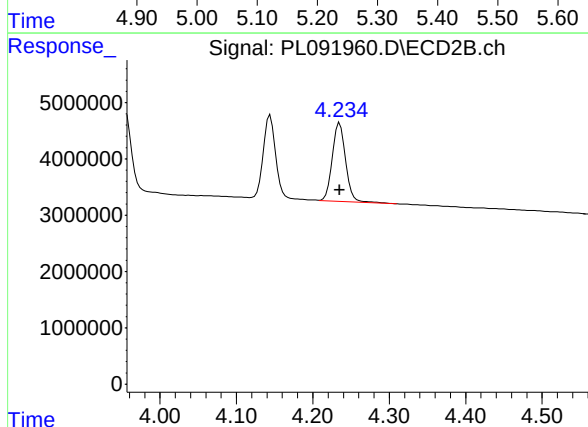
#5 Aldrin

R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 16538396  
Conc: 5.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

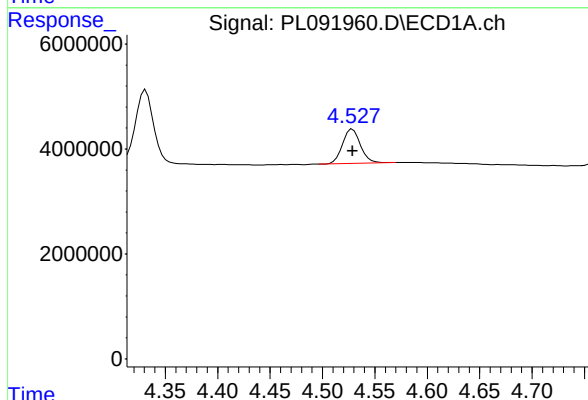
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 09/24/2024



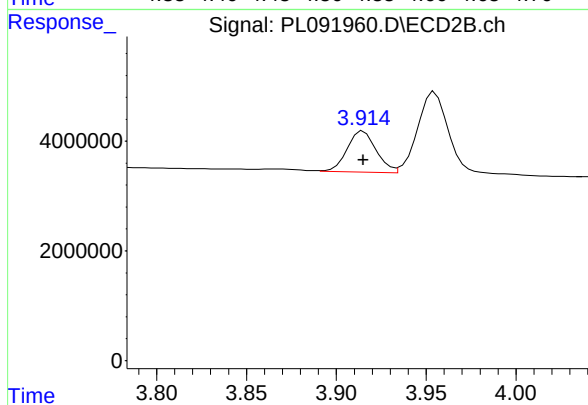
#5 Aldrin

R.T.: 4.235 min  
Delta R.T.: 0.000 min  
Response: 16809155  
Conc: 4.94 ng/ml



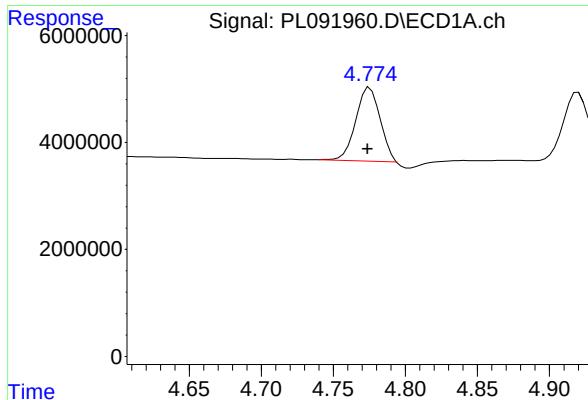
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 7951520  
Conc: 5.99 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 8491709  
Conc: 5.65 ng/ml



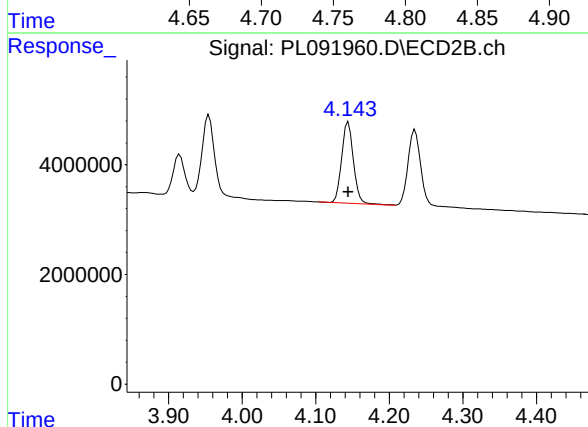
#7 delta-BHC

R.T.: 4.774 min  
Delta R.T.: 0.000 min  
Response: 16230374  
Conc: 5.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

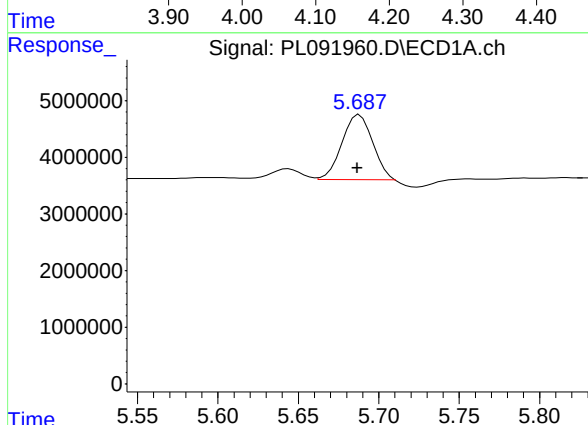
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 09/24/2024



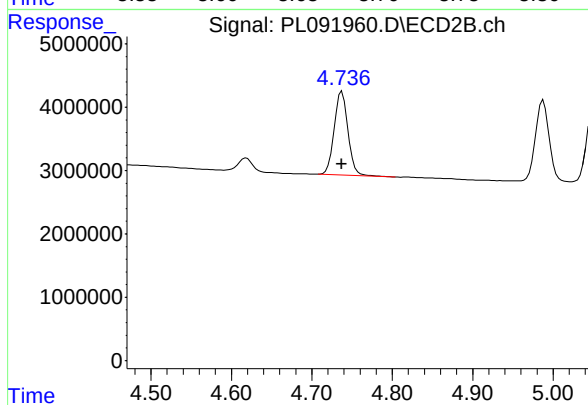
#7 delta-BHC

R.T.: 4.144 min  
Delta R.T.: 0.000 min  
Response: 16566283  
Conc: 4.77 ng/ml



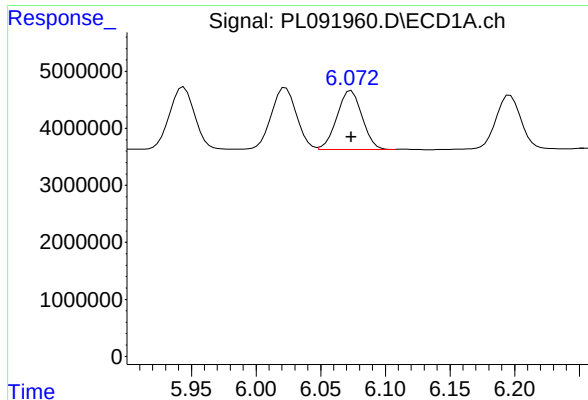
#8 Heptachlor epoxide

R.T.: 5.687 min  
Delta R.T.: 0.000 min  
Response: 15229887  
Conc: 6.01 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.737 min  
Delta R.T.: 0.000 min  
Response: 15706926  
Conc: 5.20 ng/ml



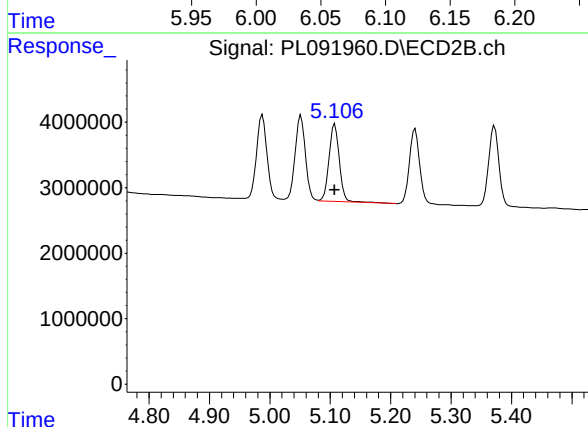
## #9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 13873483  
Conc: 6.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

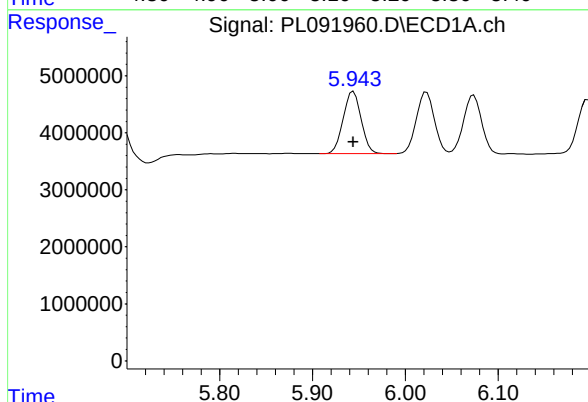
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



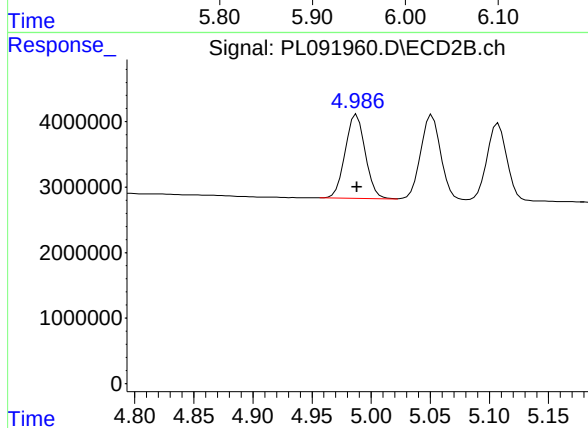
## #9 Endosulfan I

R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 14080406  
Conc: 5.13 ng/ml



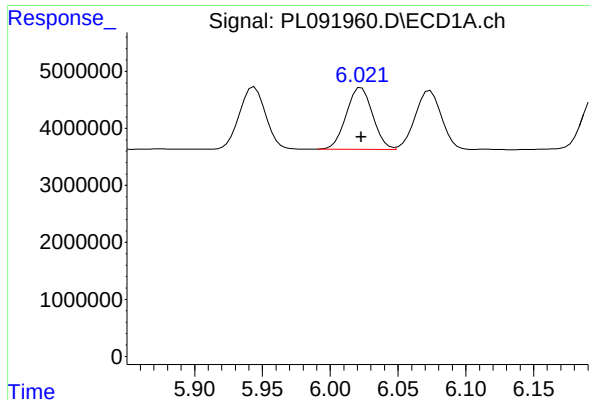
## #10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: 0.000 min  
Response: 14729856  
Conc: 5.96 ng/ml



## #10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 15187516  
Conc: 5.05 ng/ml



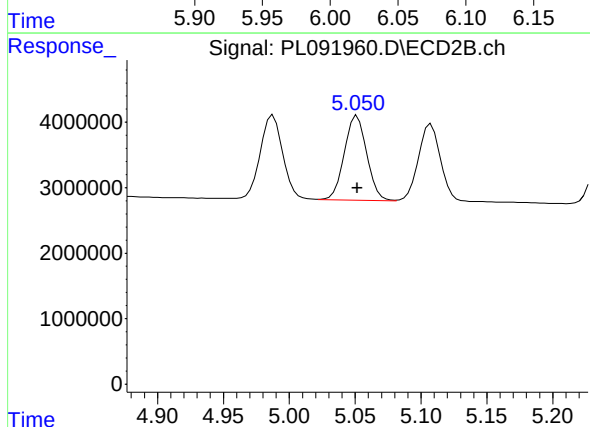
## #11 alpha-Chlordane

R.T.: 6.023 min  
Delta R.T.: 0.000 min  
Response: 14655099  
Conc: 5.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

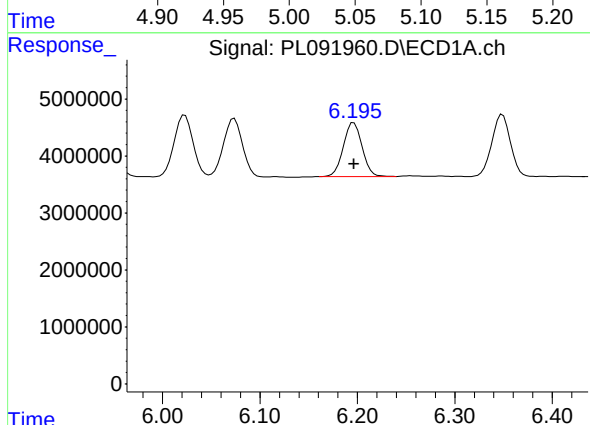
Manual Integrations  
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Supervised By :Ankita Jodhani 09/24/2024



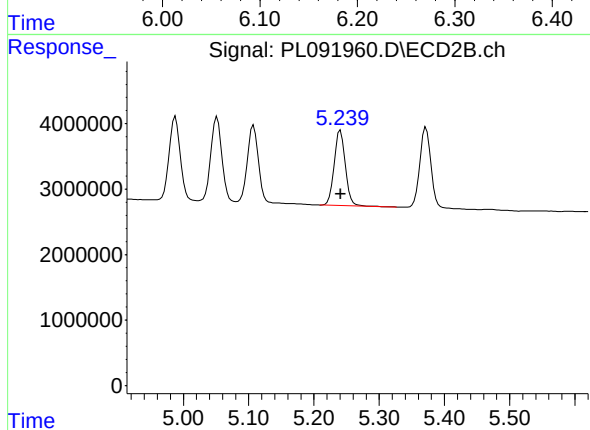
## #11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 15333163  
Conc: 5.12 ng/ml



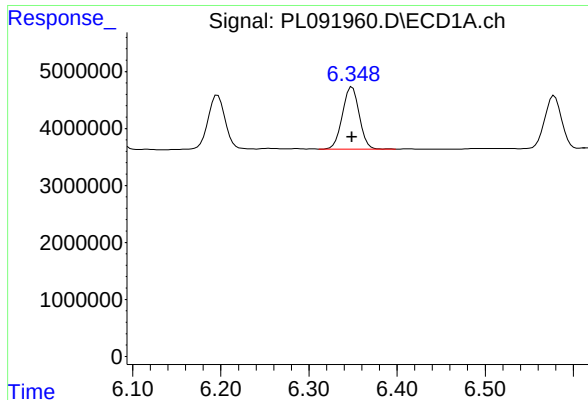
## #12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 12666670  
Conc: 5.85 ng/ml



## #12 4,4'-DDE

R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 13620254  
Conc: 4.90 ng/ml



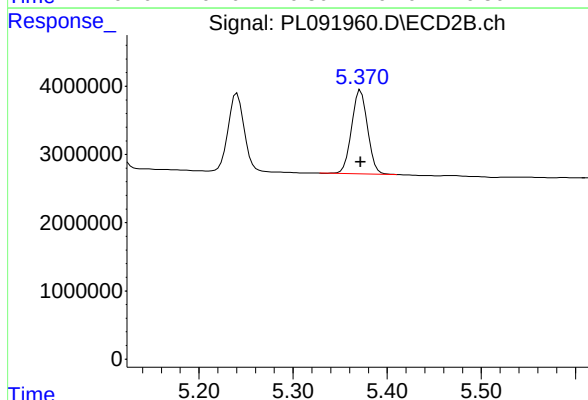
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 14459648  
Conc: 5.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

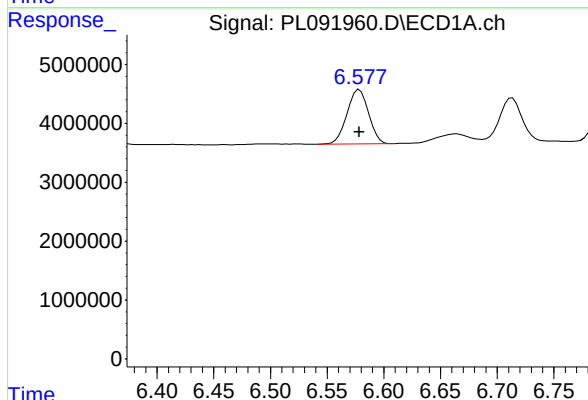
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



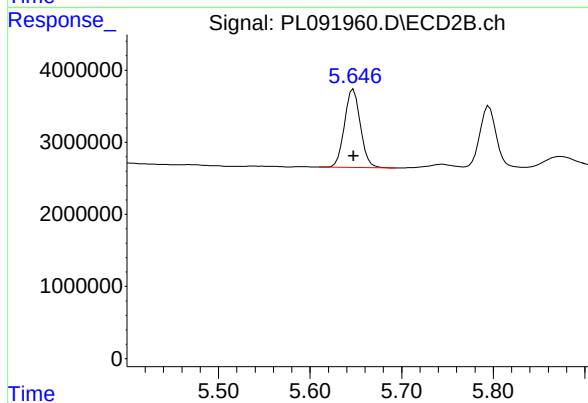
#13 Dieldrin

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 14445705  
Conc: 4.93 ng/ml



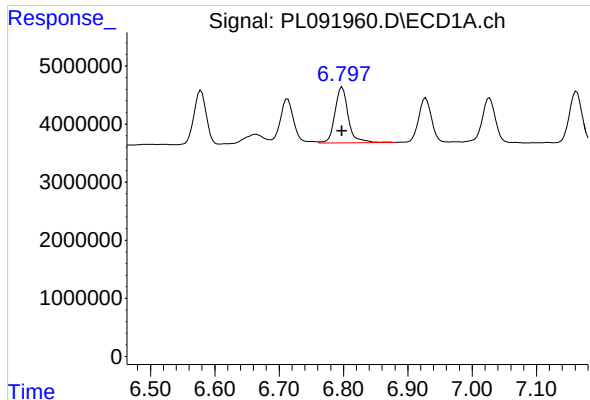
#14 Endrin

R.T.: 6.578 min  
Delta R.T.: 0.000 min  
Response: 12202391  
Conc: 5.92 ng/ml



#14 Endrin

R.T.: 5.647 min  
Delta R.T.: 0.000 min  
Response: 13210948  
Conc: 5.04 ng/ml



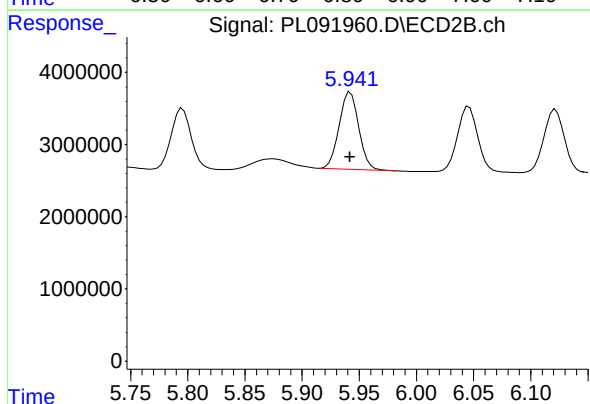
## #15 Endosulfan II

R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 13878055  
Conc: 6.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

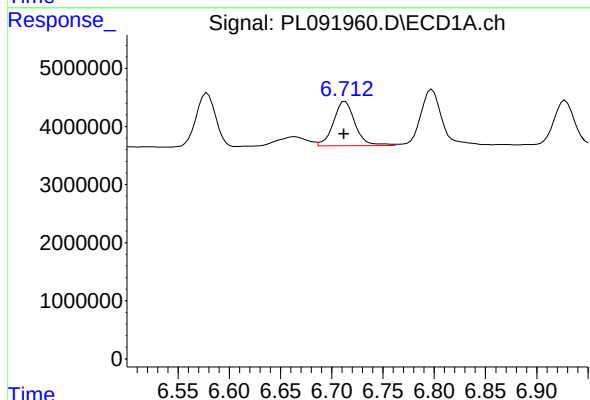
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



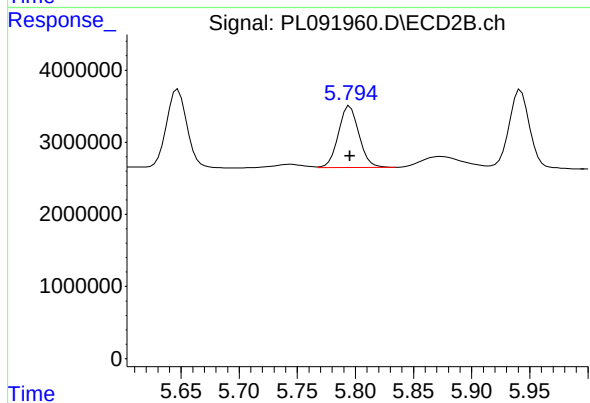
## #15 Endosulfan II

R.T.: 5.942 min  
Delta R.T.: 0.000 min  
Response: 12738836  
Conc: 5.09 ng/ml



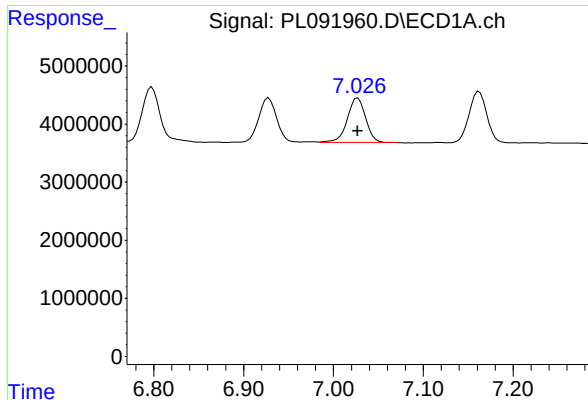
## #16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: 0.001 min  
Response: 11272715  
Conc: 6.38 ng/ml



## #16 4,4'-DDD

R.T.: 5.795 min  
Delta R.T.: 0.000 min  
Response: 10512441  
Conc: 4.92 ng/ml



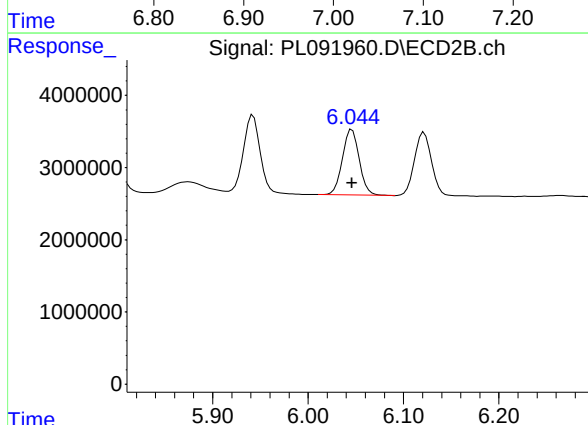
#17 4,4'-DDT

R.T.: 7.027 min  
Delta R.T.: 0.000 min  
Response: 10890247  
Conc: 5.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

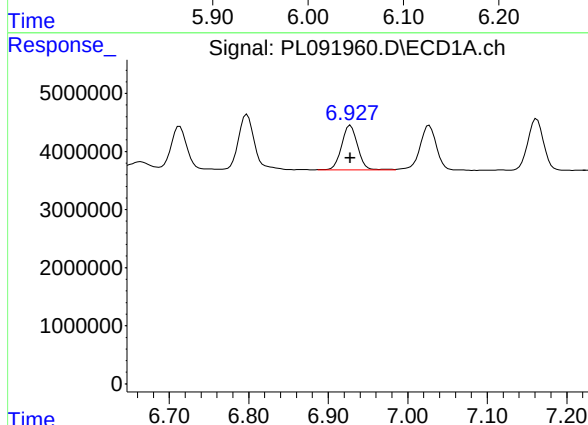
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



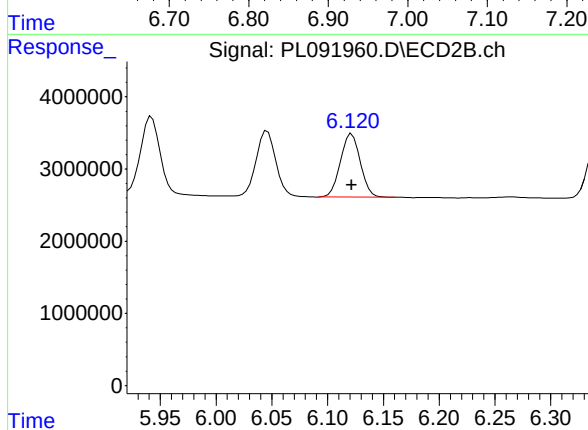
#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: 0.000 min  
Response: 11127077  
Conc: 4.81 ng/ml



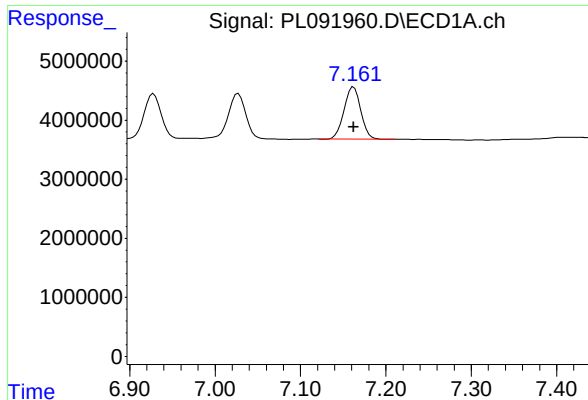
#18 Endrin aldehyde

R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 10790390  
Conc: 6.19 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 10863269  
Conc: 5.32 ng/ml



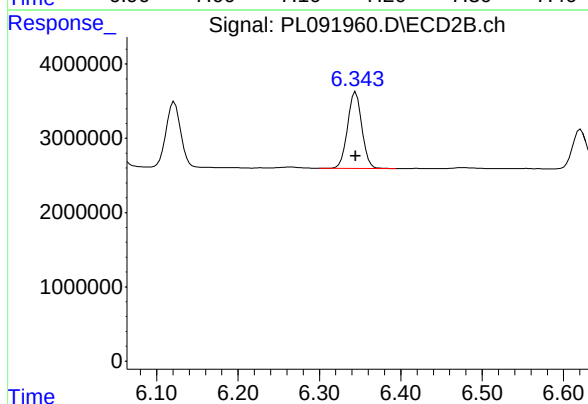
## #19 Endosulfan Sulfate

R.T.: 7.162 min  
Delta R.T.: 0.000 min  
Response: 11985801  
Conc: 6.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

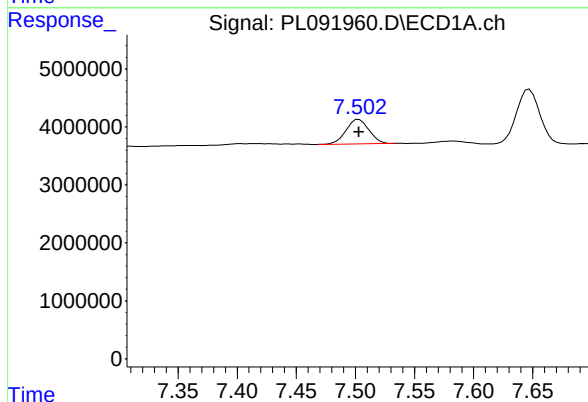
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



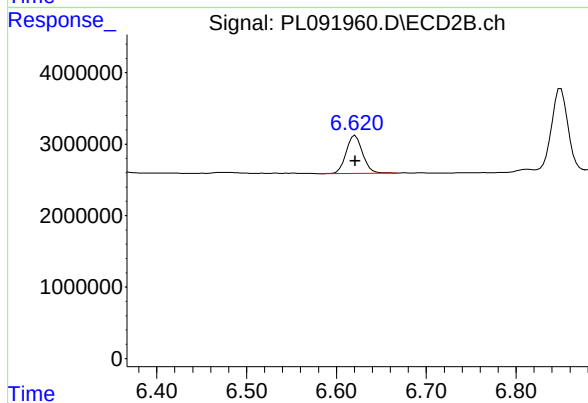
## #19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 12600844  
Conc: 5.22 ng/ml



## #20 Methoxychlor

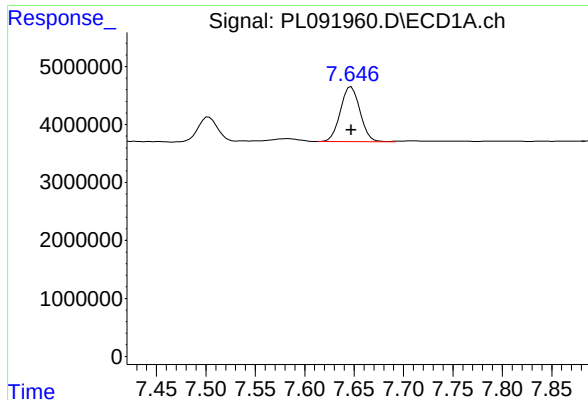
R.T.: 7.502 min  
Delta R.T.: -0.002 min  
Response: 5700396  
Conc: 5.82 ng/ml m



## #20 Methoxychlor

R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 6718459  
Conc: 5.37 ng/ml





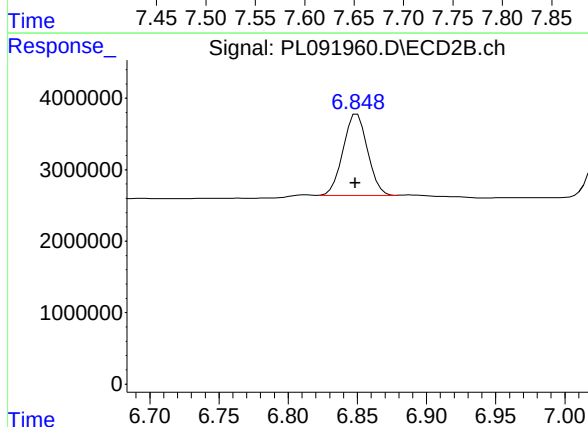
## #21 Endrin ketone

R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 13084630  
Conc: 5.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

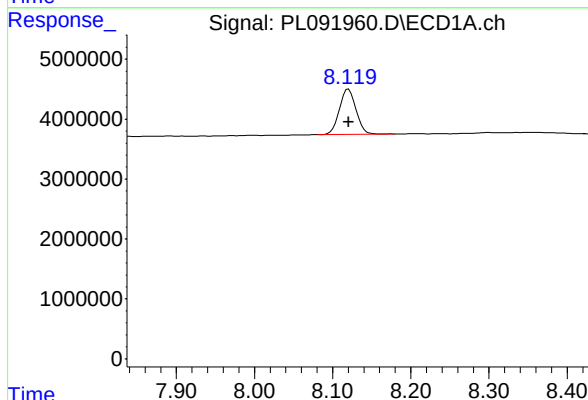
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



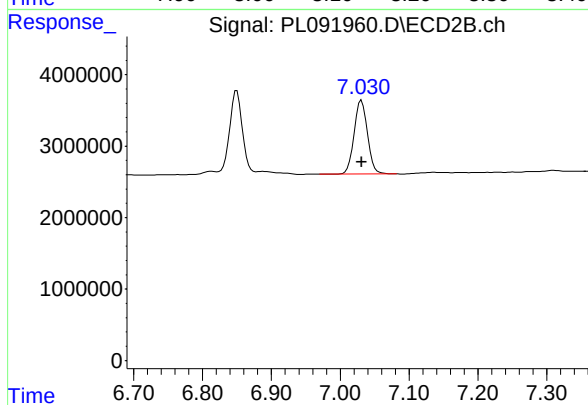
## #21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 14041873  
Conc: 5.07 ng/ml



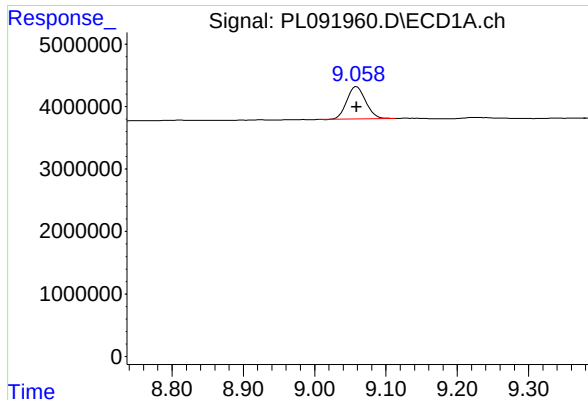
## #22 Mirex

R.T.: 8.120 min  
Delta R.T.: 0.000 min  
Response: 11179921  
Conc: 6.21 ng/ml



## #22 Mirex

R.T.: 7.031 min  
Delta R.T.: 0.000 min  
Response: 13974423  
Conc: 5.74 ng/ml



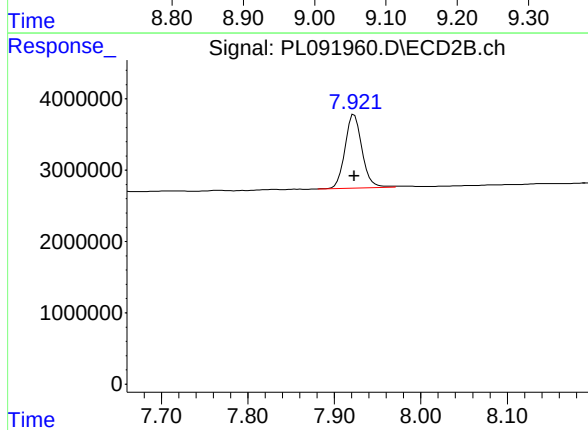
#28 Decachlorobiphenyl

R.T.: 9.059 min  
Delta R.T.: 0.000 min  
Response: 9484821  
Conc: 5.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

Manual Integrations  
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Supervised By :Ankita Jodhani 09/24/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 14143204  
Conc: 5.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091963.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 13:06  
 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: Sep 23 13:20:59 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 13:20:38 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 105.7E6  | 151.2E6  | 50.000  | 50.000  |
| 28) SA Decachlor...         | 9.061 | 7.924 | 78626748 | 121.3E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 23) Chlordane-1             | 4.706 | 3.781 | 49457629 | 49048818 | 500.000 | 500.000 |
| 24) Chlordane-2             | 5.236 | 4.358 | 51426580 | 54655467 | 500.000 | 500.000 |
| 25) Chlordane-3             | 5.946 | 4.989 | 177.7E6  | 164.8E6  | 500.000 | 500.000 |
| 26) Chlordane-4             | 6.028 | 5.051 | 216.0E6  | 157.8E6  | 500.000 | 500.000 |
| 27) Chlordane-5             | 6.877 | 5.947 | 42070403 | 54145786 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

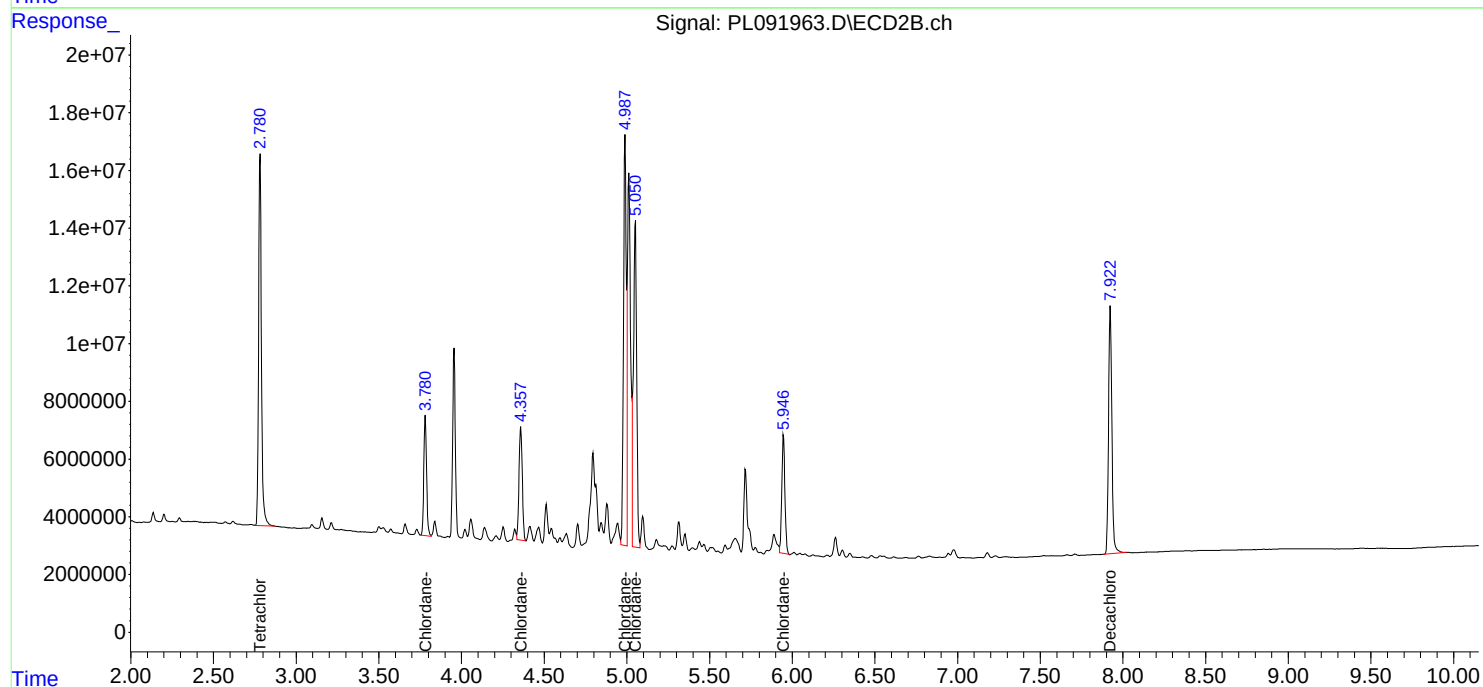
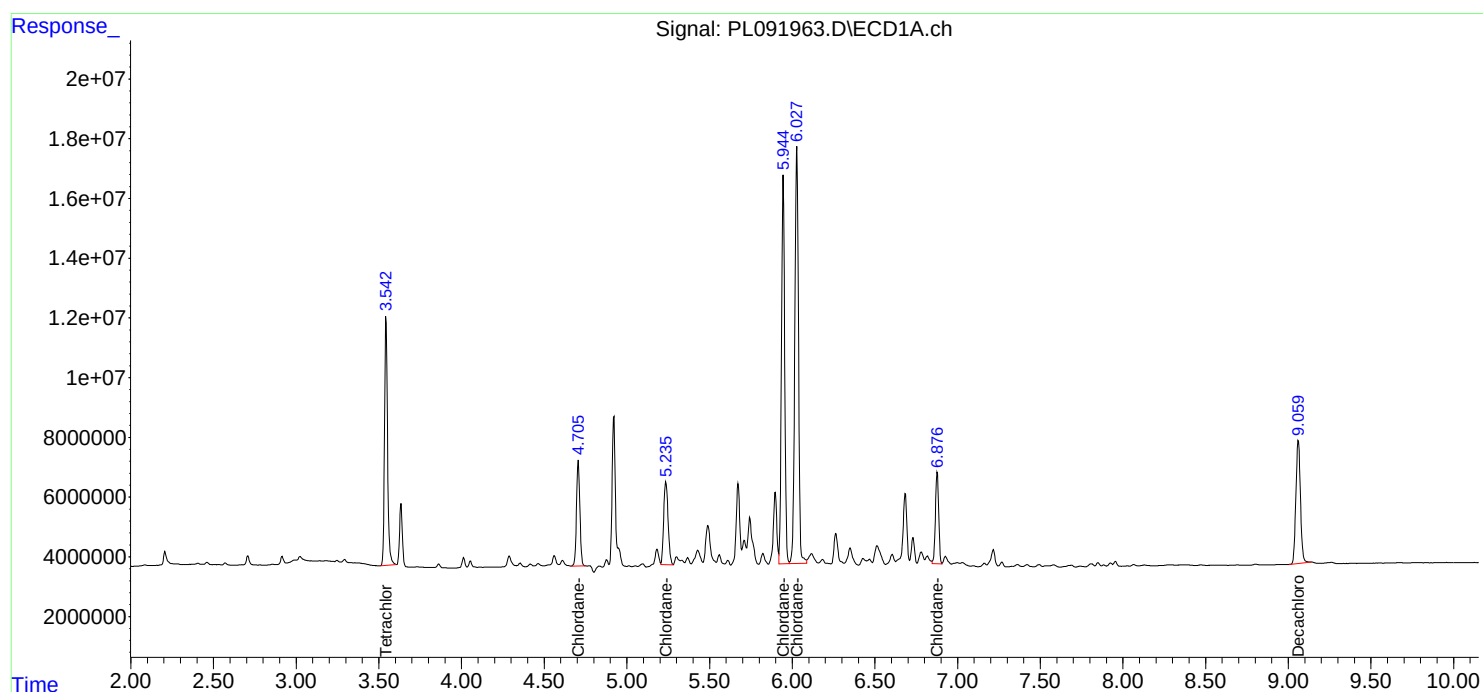
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

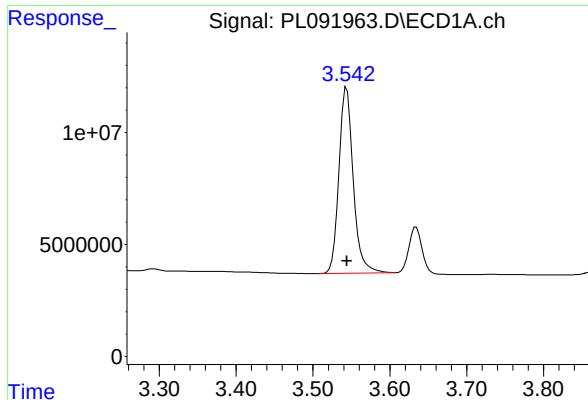
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091963.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 13:06  
Operator : AR\AJ  
Sample : PCHLORICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 13:20:59 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 13:20:38 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

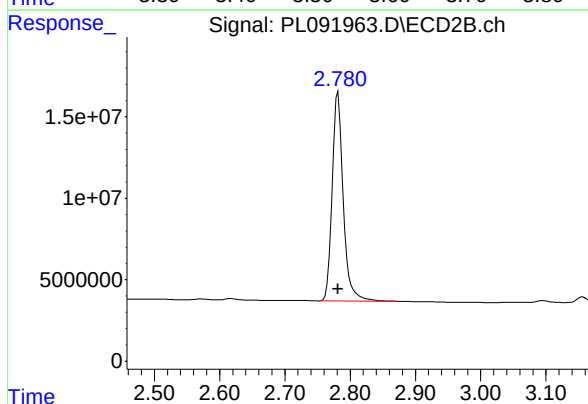




## #1 Tetrachloro-m-xylene

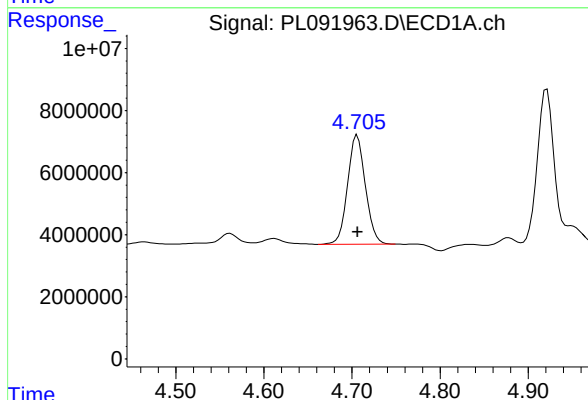
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 105675393  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



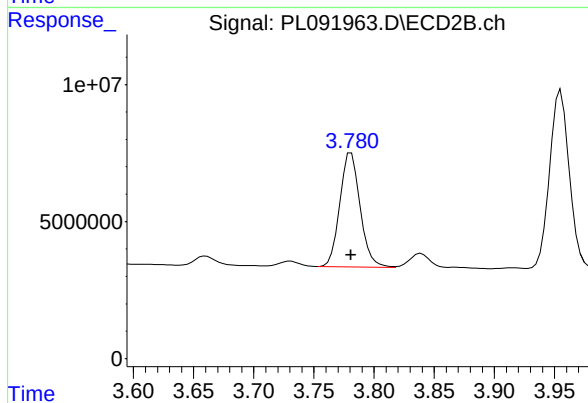
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 151157034  
Conc: 50.00 ng/ml



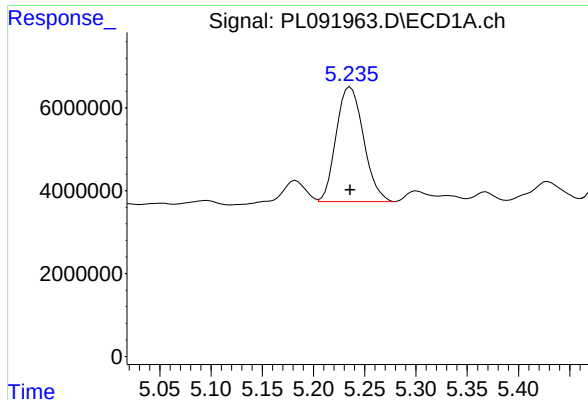
## #23 Chlordane-1

R.T.: 4.706 min  
Delta R.T.: 0.000 min  
Response: 49457629  
Conc: 500.00 ng/ml



## #23 Chlordane-1

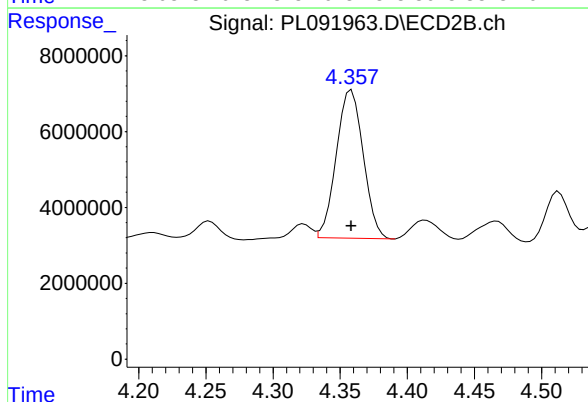
R.T.: 3.781 min  
Delta R.T.: 0.000 min  
Response: 49048818  
Conc: 500.00 ng/ml



#24 Chlordane-2

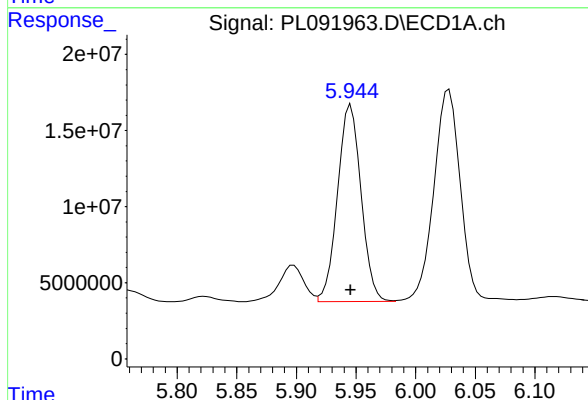
R.T.: 5.236 min  
Delta R.T.: 0.000 min  
Response: 51426580  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



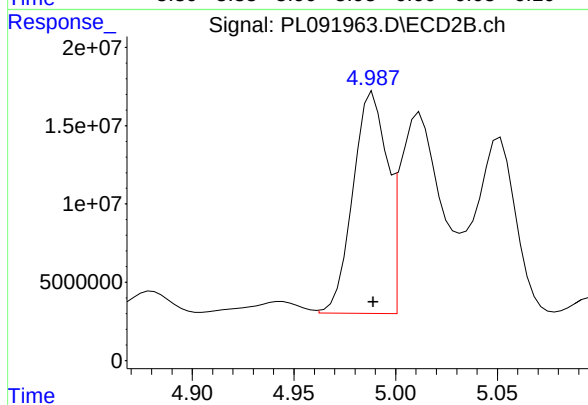
#24 Chlordane-2

R.T.: 4.358 min  
Delta R.T.: 0.000 min  
Response: 54655467  
Conc: 500.00 ng/ml



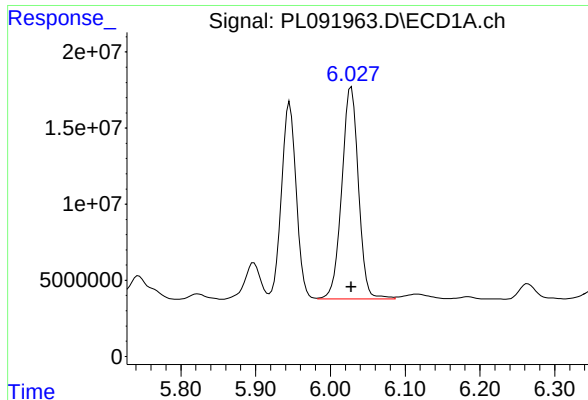
#25 Chlordane-3

R.T.: 5.946 min  
Delta R.T.: 0.000 min  
Response: 177668269  
Conc: 500.00 ng/ml



#25 Chlordane-3

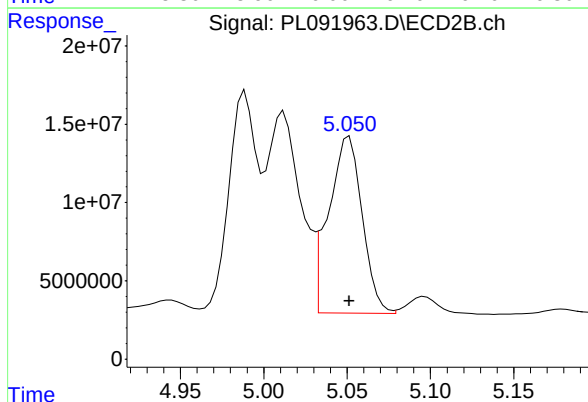
R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 164767709  
Conc: 500.00 ng/ml



#26 Chlordane-4

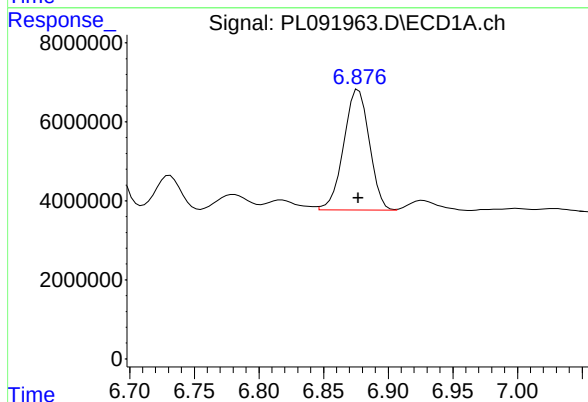
R.T.: 6.028 min  
Delta R.T.: 0.000 min  
Response: 216031706  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



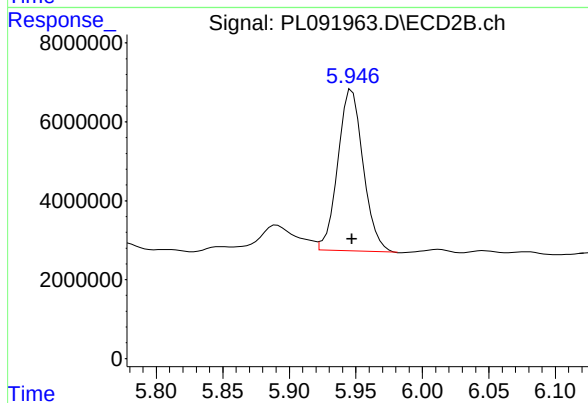
#26 Chlordane-4

R.T.: 5.051 min  
Delta R.T.: 0.000 min  
Response: 157779752  
Conc: 500.00 ng/ml



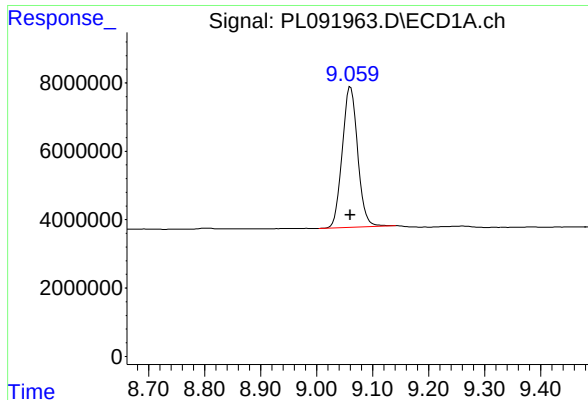
#27 Chlordane-5

R.T.: 6.877 min  
Delta R.T.: 0.000 min  
Response: 42070403  
Conc: 500.00 ng/ml



#27 Chlordane-5

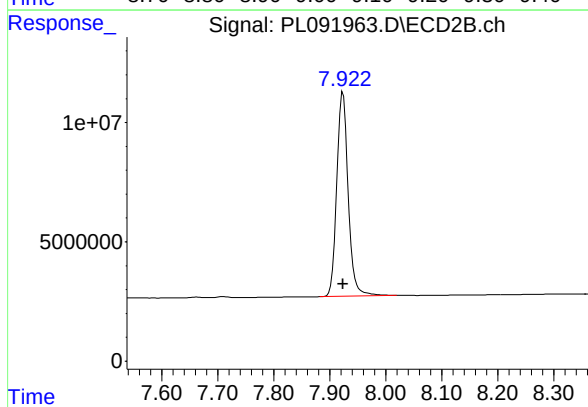
R.T.: 5.947 min  
Delta R.T.: 0.000 min  
Response: 54145786  
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 78626748  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 121336825  
Conc: 50.00 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091968.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 14:13  
 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: Sep 23 14:27:45 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 14:27:33 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.544 | 2.783 | 109.5E6  | 128.2E6  | 50.000  | 50.000  |
| 7) SA Decachlor...          | 9.061 | 7.924 | 79903287 | 127.0E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.242 | 5.013 | 11332642 | 9046791  | 500.000 | 500.000 |
| 3) Toxaphene-2              | 6.446 | 5.338 | 6961013  | 8635853  | 500.000 | 500.000 |
| 4) Toxaphene-3              | 7.064 | 6.612 | 35480266 | 31997930 | 500.000 | 500.000 |
| 5) Toxaphene-4              | 7.154 | 6.740 | 26925608 | 44333132 | 500.000 | 500.000 |
| 6) Toxaphene-5              | 7.939 | 7.053 | 19863490 | 30174872 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

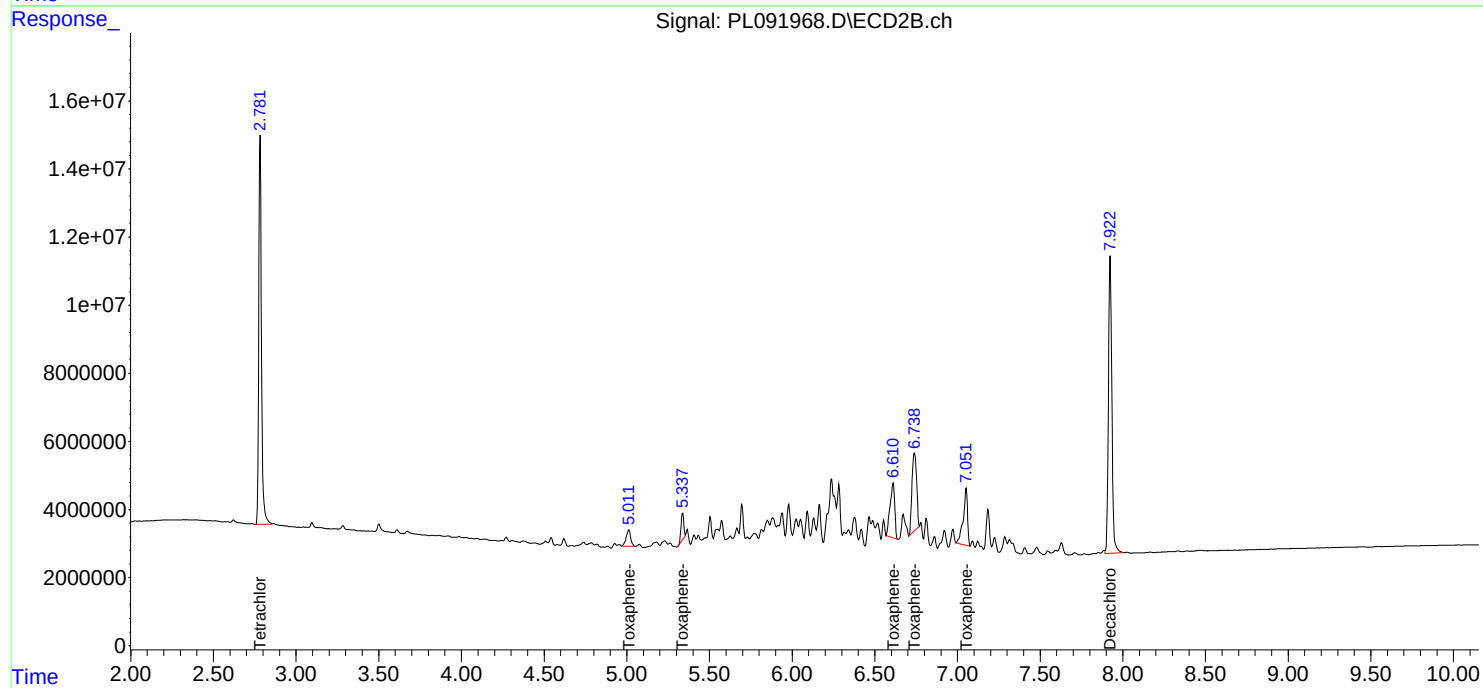
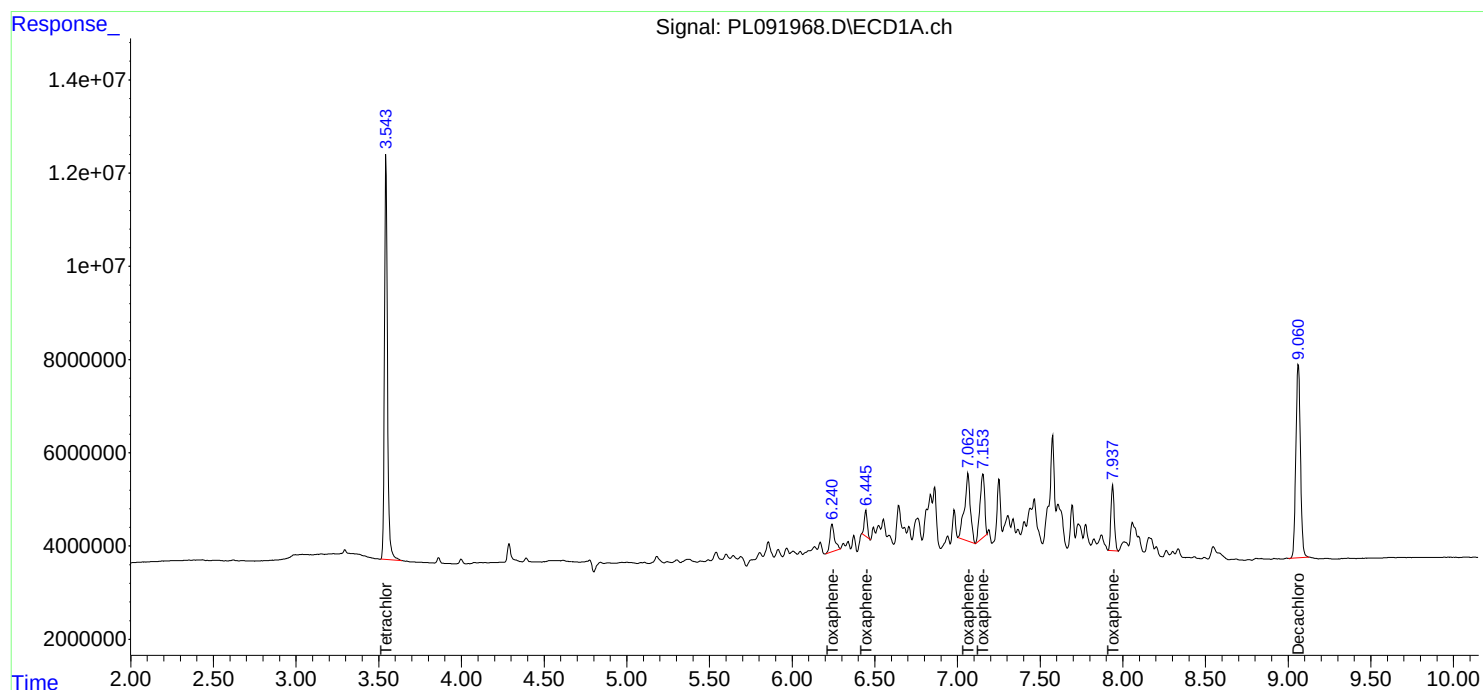
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

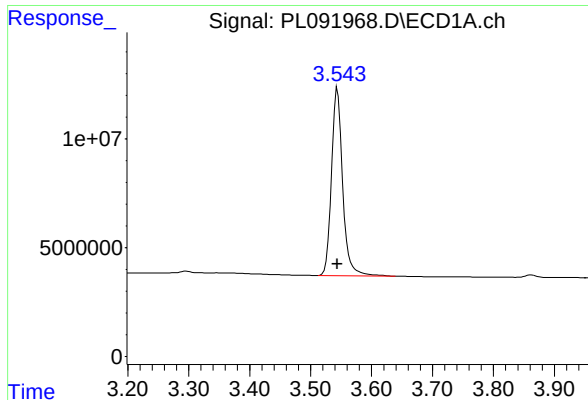
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091968.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 14:13  
Operator : AR\AJ  
Sample : PTOXICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 14:27:45 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:27:33 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

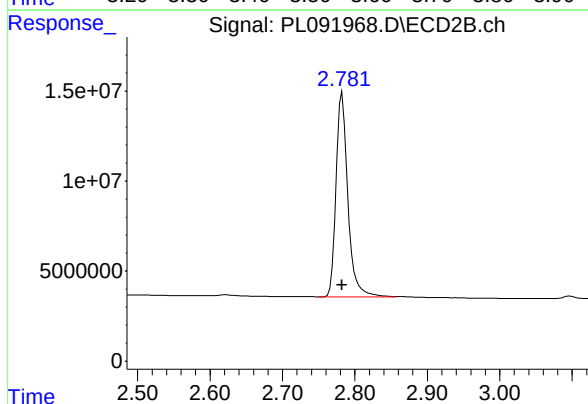




## #1 Tetrachloro-m-xylene

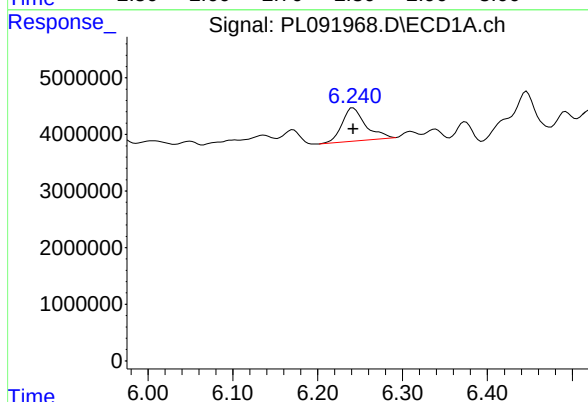
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 109530174  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



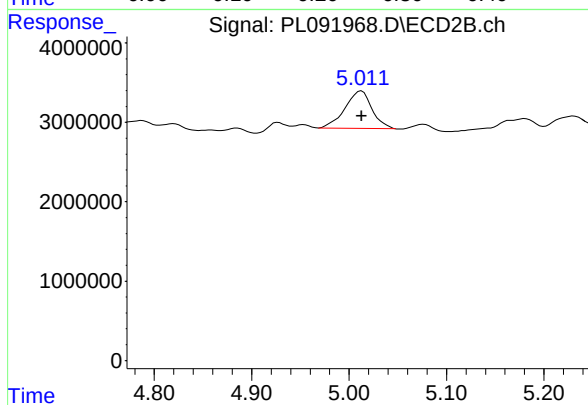
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 128182628  
Conc: 50.00 ng/ml



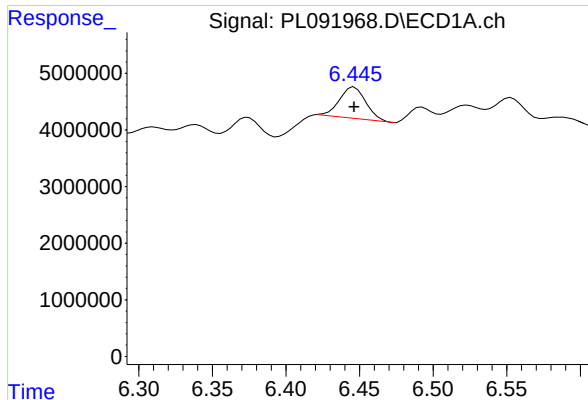
## #2 Toxaphene-1

R.T.: 6.242 min  
Delta R.T.: 0.000 min  
Response: 11332642  
Conc: 500.00 ng/ml



## #2 Toxaphene-1

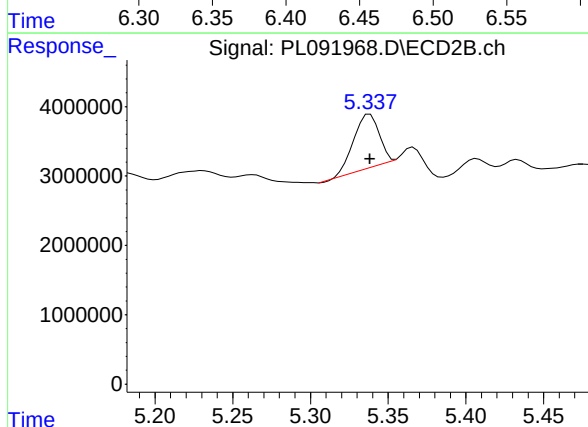
R.T.: 5.013 min  
Delta R.T.: 0.000 min  
Response: 9046791  
Conc: 500.00 ng/ml



#3 Toxaphene-2

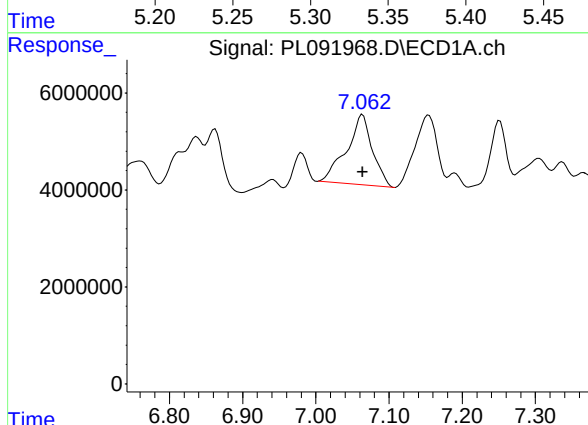
R.T.: 6.446 min  
Delta R.T.: 0.000 min  
Response: 6961013  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



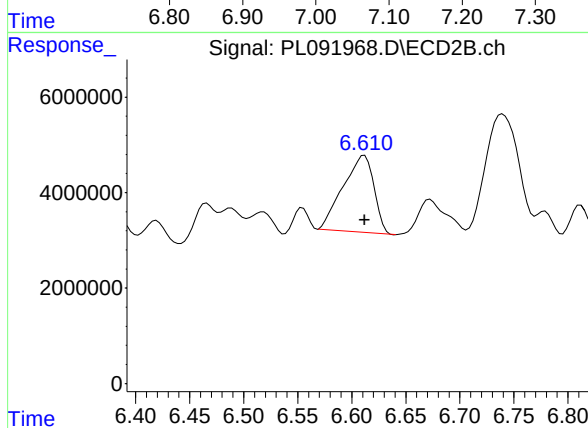
#3 Toxaphene-2

R.T.: 5.338 min  
Delta R.T.: 0.000 min  
Response: 8635853  
Conc: 500.00 ng/ml



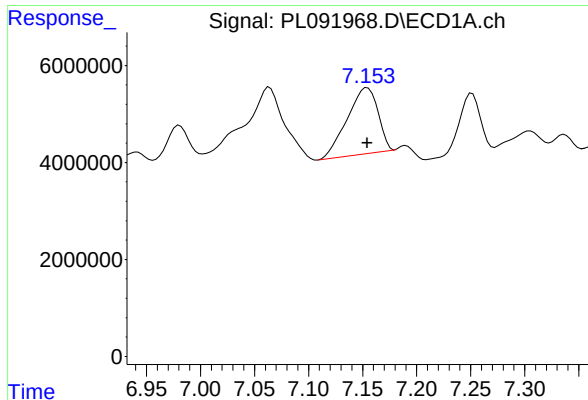
#4 Toxaphene-3

R.T.: 7.064 min  
Delta R.T.: 0.000 min  
Response: 35480266  
Conc: 500.00 ng/ml



#4 Toxaphene-3

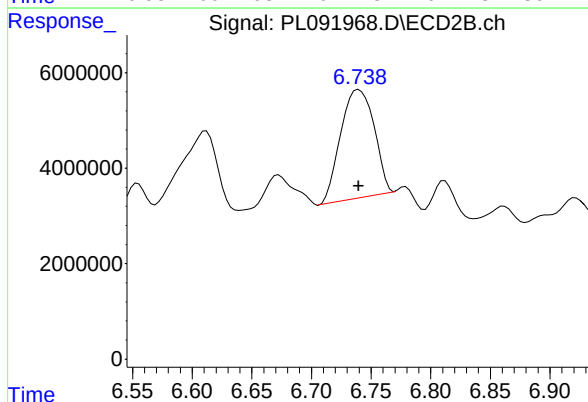
R.T.: 6.612 min  
Delta R.T.: 0.000 min  
Response: 31997930  
Conc: 500.00 ng/ml



## #5 Toxaphene-4

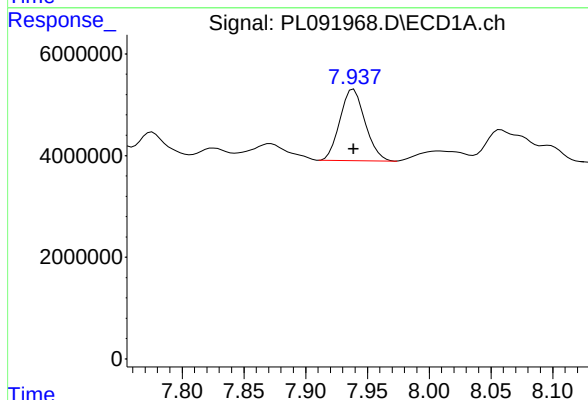
R.T.: 7.154 min  
Delta R.T.: 0.000 min  
Response: 26925608  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



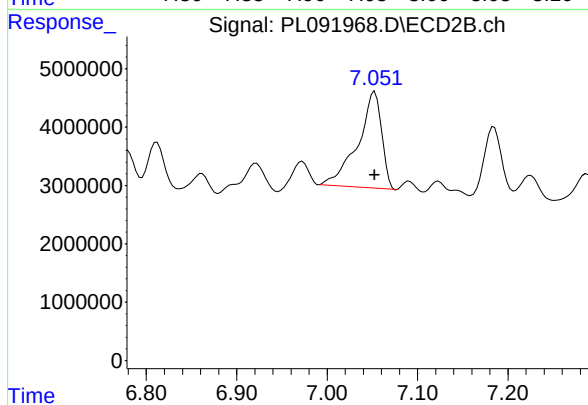
## #5 Toxaphene-4

R.T.: 6.740 min  
Delta R.T.: 0.000 min  
Response: 44333132  
Conc: 500.00 ng/ml



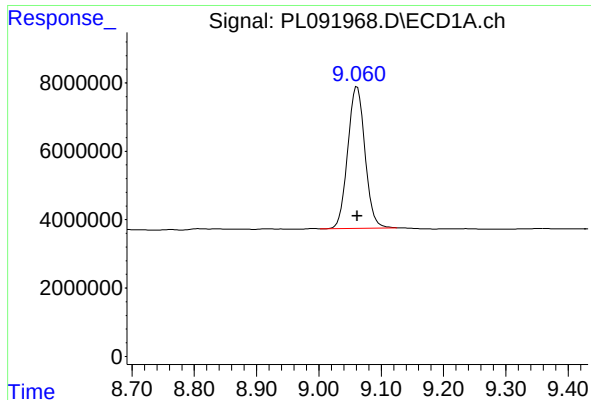
## #6 Toxaphene-5

R.T.: 7.939 min  
Delta R.T.: 0.000 min  
Response: 19863490  
Conc: 500.00 ng/ml



## #6 Toxaphene-5

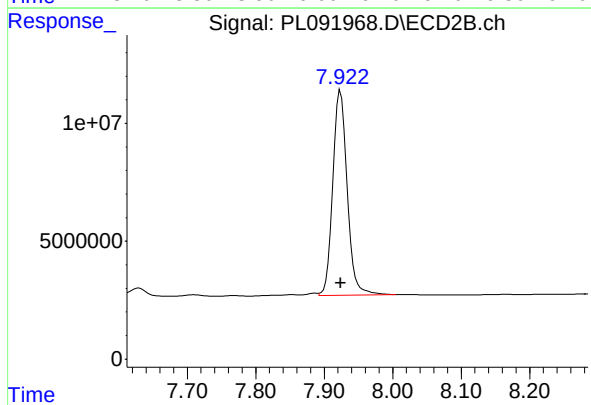
R.T.: 7.053 min  
Delta R.T.: 0.000 min  
Response: 30174872  
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 79903287  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 126970501  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091971.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 14:53  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL092324

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 23 15:03:44 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 14:03:20 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.544 | 2.783 | 109.9E6  | 128.4E6  | 49.390 | 51.205 |
| 28) SA Decachlor...         | 9.061 | 7.924 | 80630291 | 124.4E6  | 49.218 | 49.714 |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 4.000 | 3.286 | 153.8E6  | 191.8E6  | 49.681 | 52.648 |
| 3) MA gamma-BHC...          | 4.333 | 3.616 | 148.6E6  | 180.9E6  | 47.945 | 51.231 |
| 4) MA Heptachlor            | 4.921 | 3.956 | 136.9E6  | 180.2E6  | 49.499 | 52.235 |
| 5) MB Aldrin                | 5.263 | 4.236 | 131.2E6  | 170.0E6  | 47.251 | 49.996 |
| 6) B beta-BHC               | 4.529 | 3.916 | 66146006 | 76950183 | 49.870 | 51.194 |
| 7) B delta-BHC              | 4.777 | 4.145 | 137.2E6  | 174.0E6  | 47.561 | 50.106 |
| 8) B Heptachlo...           | 5.689 | 4.739 | 123.2E6  | 152.3E6  | 48.400 | 50.380 |
| 9) A Endosulfan I           | 6.075 | 5.109 | 112.6E6  | 141.2E6  | 48.653 | 51.437 |
| 10) B gamma-Chl...          | 5.945 | 4.989 | 121.7E6  | 157.8E6  | 49.229 | 52.448 |
| 11) B alpha-Chl...          | 6.024 | 5.052 | 120.9E6  | 155.4E6  | 49.062 | 51.920 |
| 12) B 4,4'-DDE              | 6.197 | 5.242 | 105.6E6  | 144.3E6  | 48.782 | 51.912 |
| 13) MA Dieldrin             | 6.350 | 5.373 | 118.3E6  | 151.6E6  | 48.519 | 51.702 |
| 14) MA Endrin               | 6.579 | 5.649 | 98509120 | 136.0E6  | 47.804 | 51.857 |
| 15) B Endosulfa...          | 6.799 | 5.943 | 105.0E6  | 130.1E6  | 47.716 | 51.995 |
| 16) A 4,4'-DDD              | 6.715 | 5.796 | 85129062 | 110.7E6  | 47.407 | 51.804 |
| 17) MA 4,4'-DDT             | 7.029 | 6.047 | 91095429 | 120.5E6  | 49.476 | 52.077 |
| 18) B Endrin al...          | 6.929 | 6.122 | 80636033 | 99387650 | 46.269 | 48.702 |
| 19) B Endosulfa...          | 7.163 | 6.345 | 95965254 | 123.4E6  | 48.412 | 51.142 |
| 20) A Methoxychlor          | 7.504 | 6.622 | 48243371 | 62546426 | 49.142 | 50.023 |
| 21) B Endrin ke...          | 7.648 | 6.851 | 105.6E6  | 141.0E6  | 48.075 | 50.910 |
| 22) Mirex                   | 8.122 | 7.032 | 83219849 | 114.6E6  | 46.208 | 47.114 |
| -----                       |       |       |          |          |        |        |

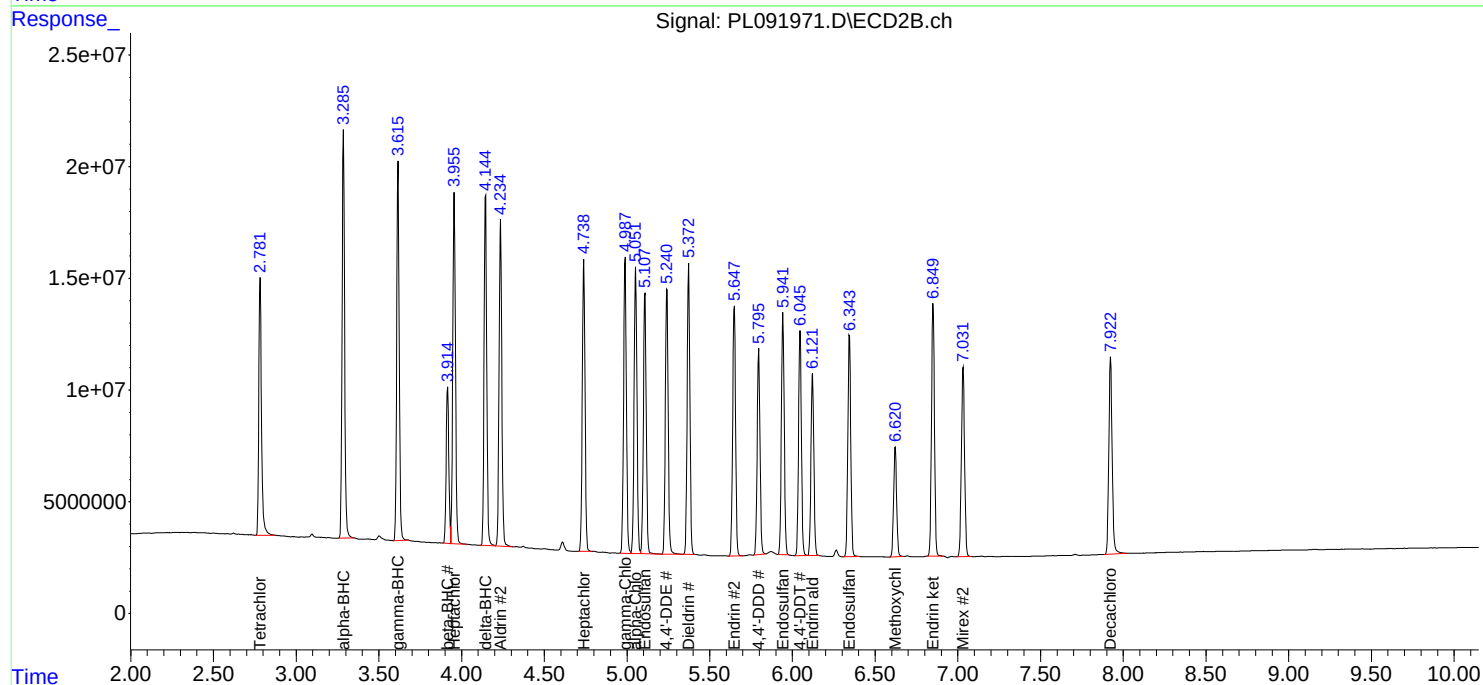
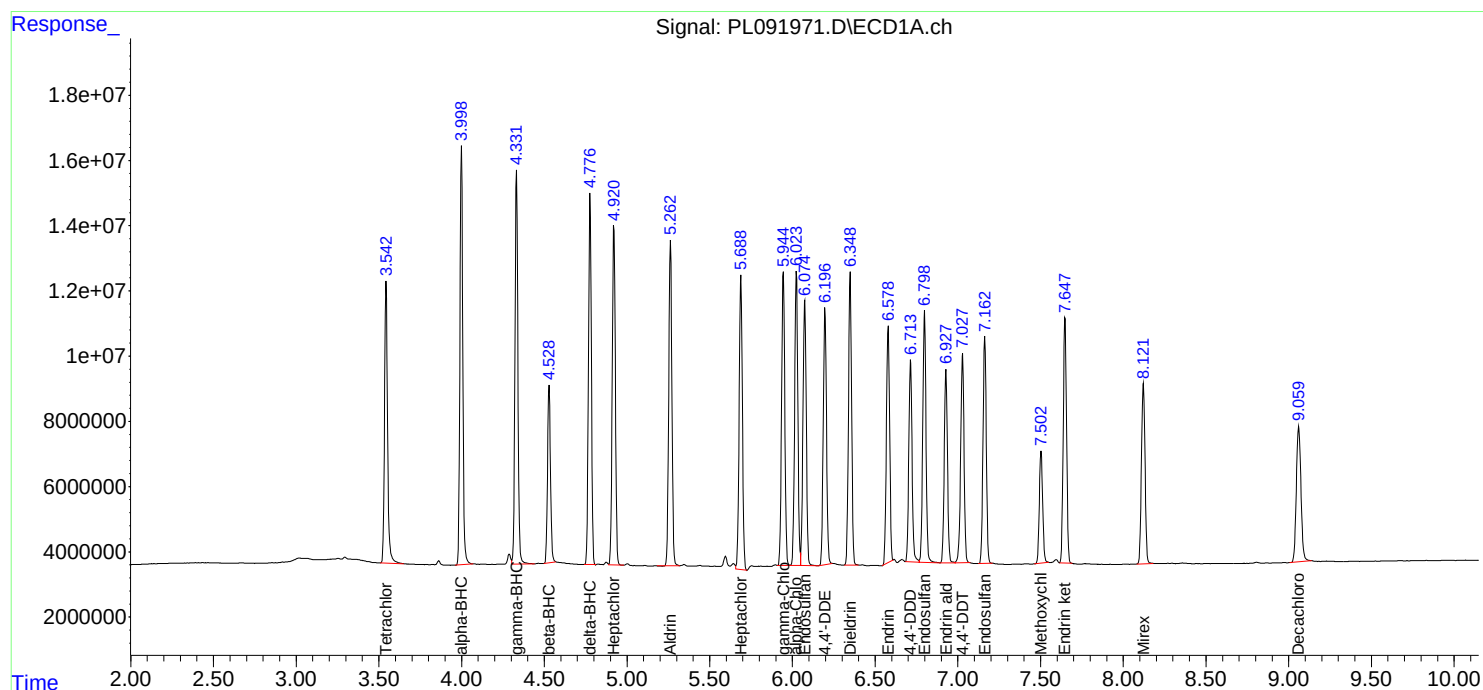
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091971.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 14:53  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

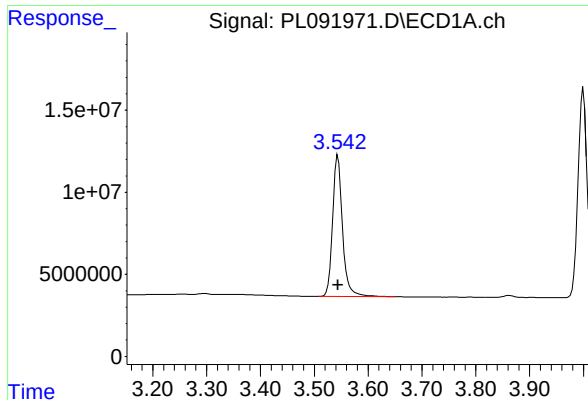
Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 15:03:44 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:03:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



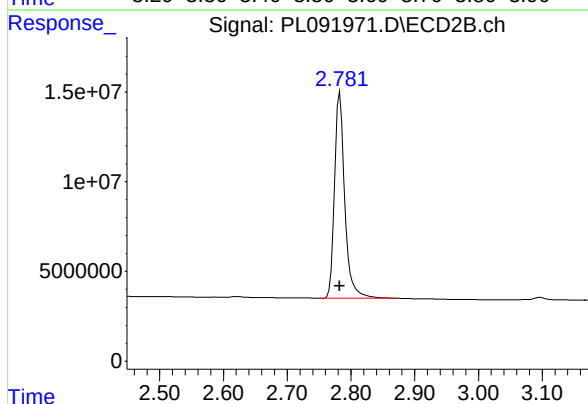




#1 Tetrachloro-m-xylene

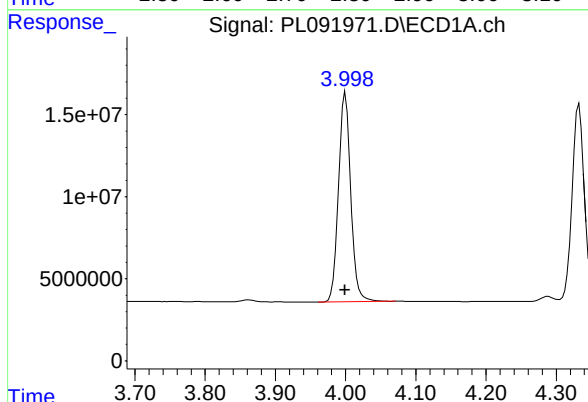
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 109876268  
Conc: 49.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



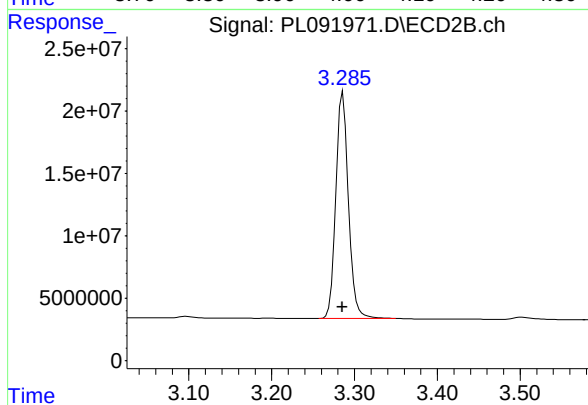
#1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 128425539  
Conc: 51.20 ng/ml



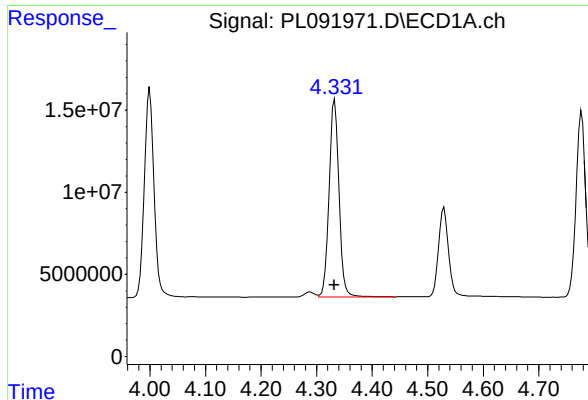
#2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 153836774  
Conc: 49.68 ng/ml



#2 alpha-BHC

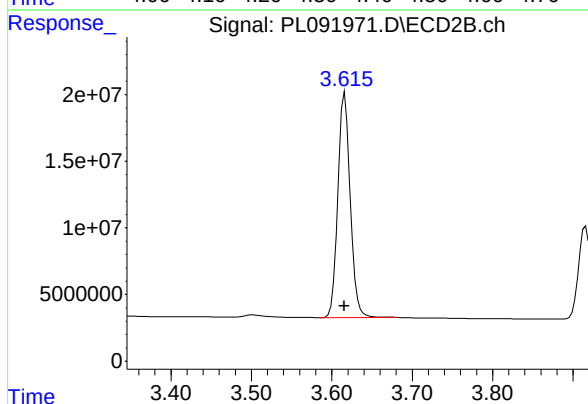
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 191812400  
Conc: 52.65 ng/ml



#3 gamma-BHC (Lindane)

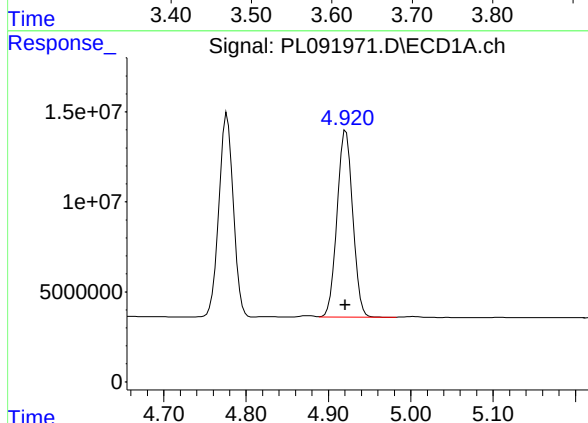
R.T.: 4.333 min  
Delta R.T.: 0.000 min  
Response: 148571679  
Conc: 47.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



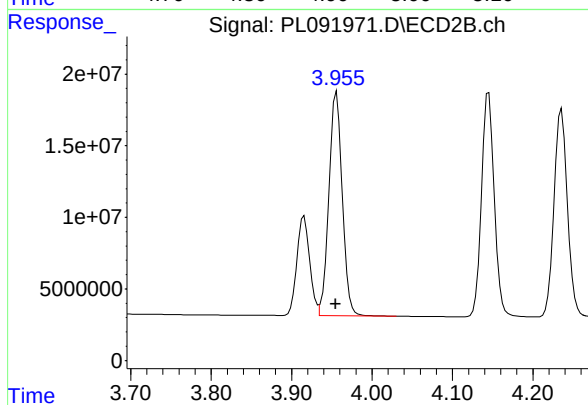
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 180894590  
Conc: 51.23 ng/ml



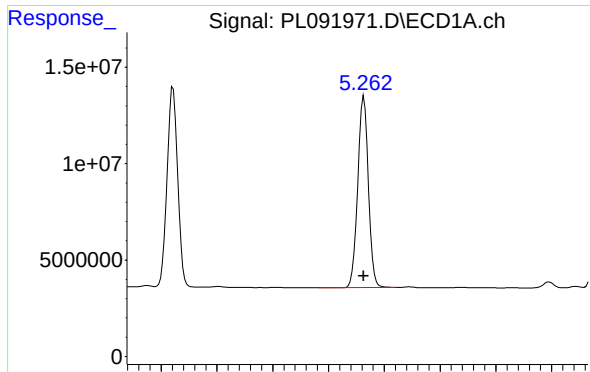
#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 136887689  
Conc: 49.50 ng/ml



#4 Heptachlor

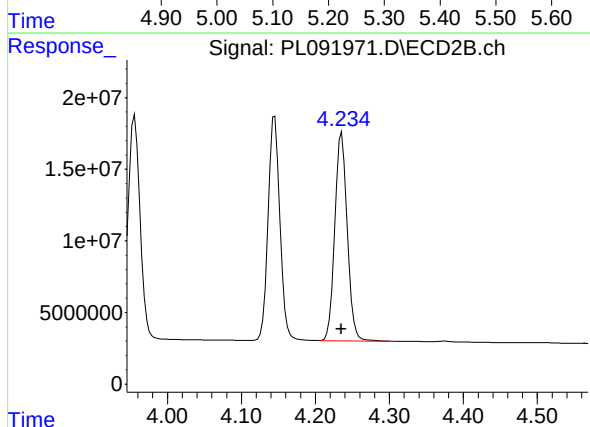
R.T.: 3.956 min  
Delta R.T.: 0.000 min  
Response: 180242286  
Conc: 52.23 ng/ml



#5 Aldrin

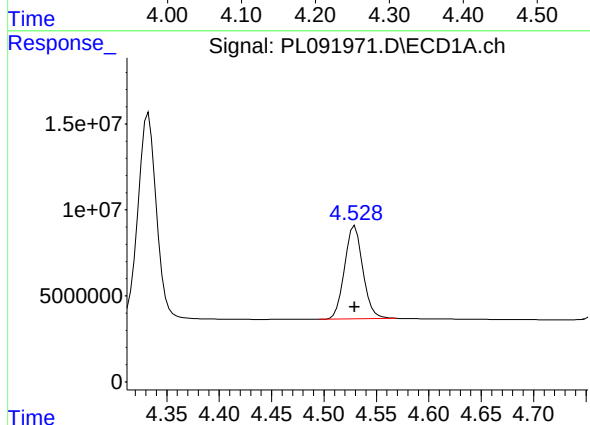
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 131244221  
Conc: 47.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



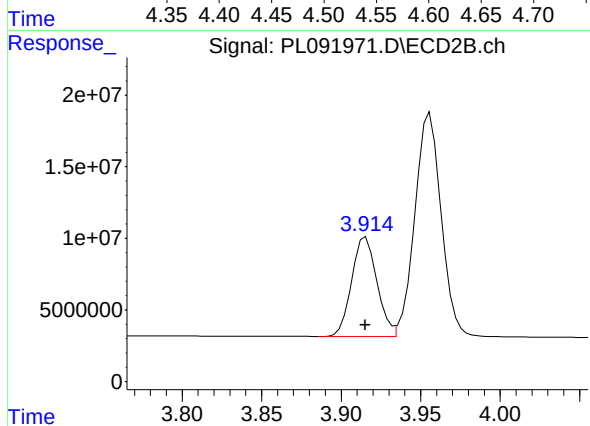
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 170042739  
Conc: 50.00 ng/ml



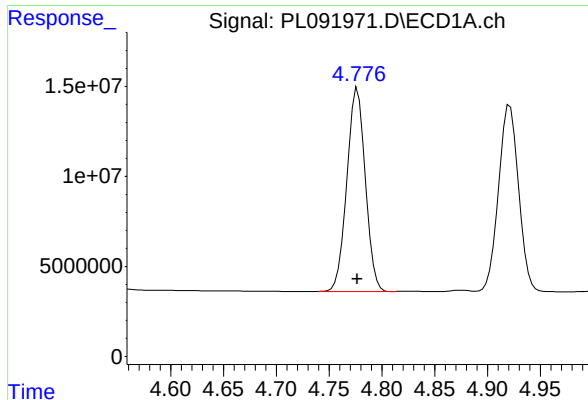
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 66146006  
Conc: 49.87 ng/ml



#6 beta-BHC

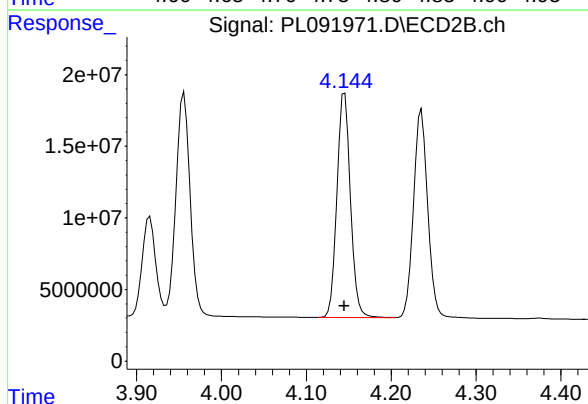
R.T.: 3.916 min  
Delta R.T.: 0.000 min  
Response: 76950183  
Conc: 51.19 ng/ml



#7 delta-BHC

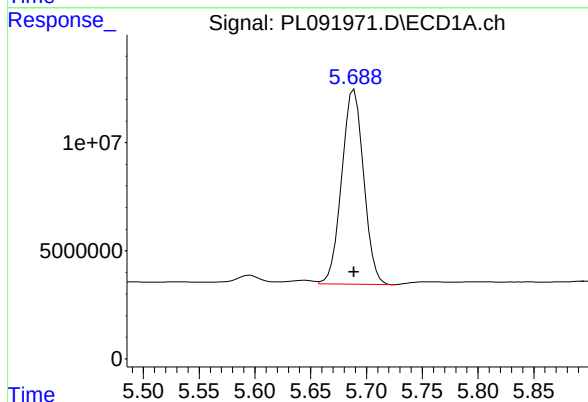
R.T.: 4.777 min  
Delta R.T.: 0.000 min  
Response: 137176810  
Conc: 47.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



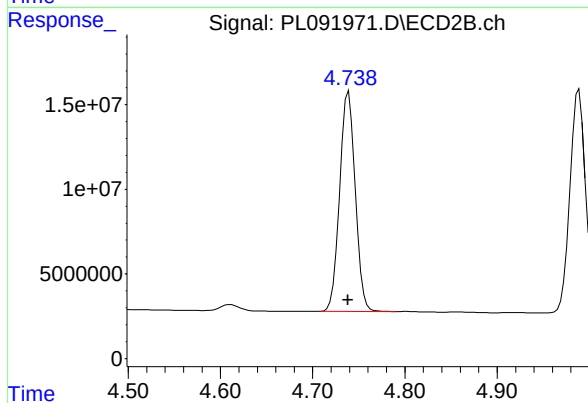
#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 173953097  
Conc: 50.11 ng/ml



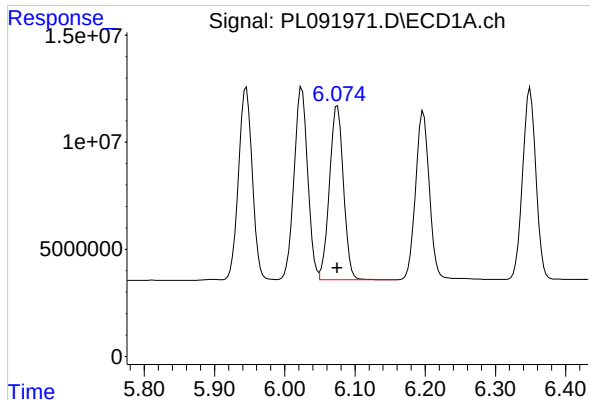
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 123177023  
Conc: 48.40 ng/ml



#8 Heptachlor epoxide

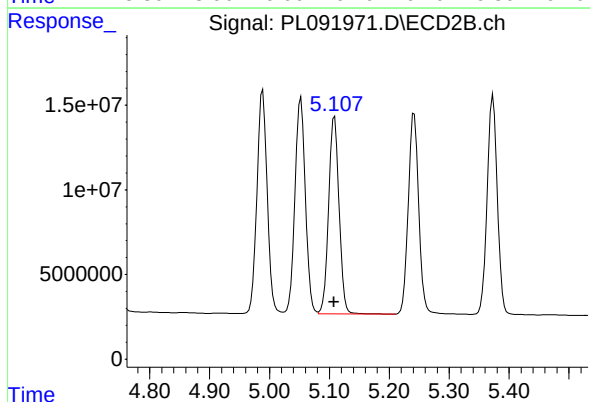
R.T.: 4.739 min  
Delta R.T.: 0.000 min  
Response: 152294080  
Conc: 50.38 ng/ml



## #9 Endosulfan I

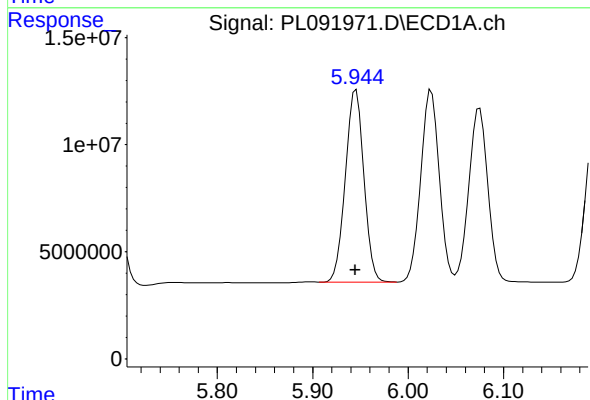
R.T.: 6.075 min  
Delta R.T.: 0.000 min  
Response: 112553834  
Conc: 48.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



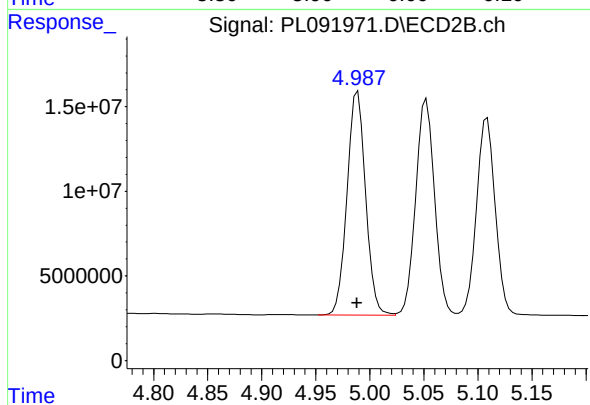
## #9 Endosulfan I

R.T.: 5.109 min  
Delta R.T.: 0.000 min  
Response: 141175786  
Conc: 51.44 ng/ml



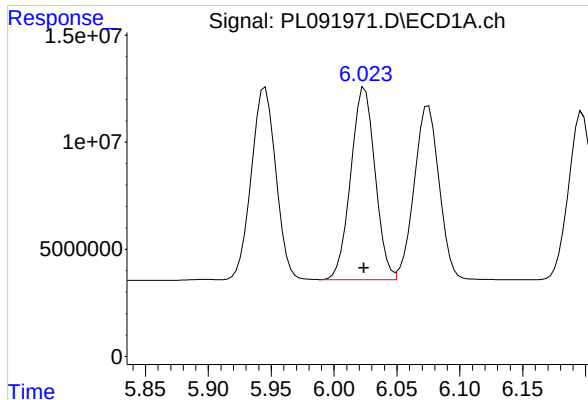
## #10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 121655217  
Conc: 49.23 ng/ml



## #10 gamma-Chlordane

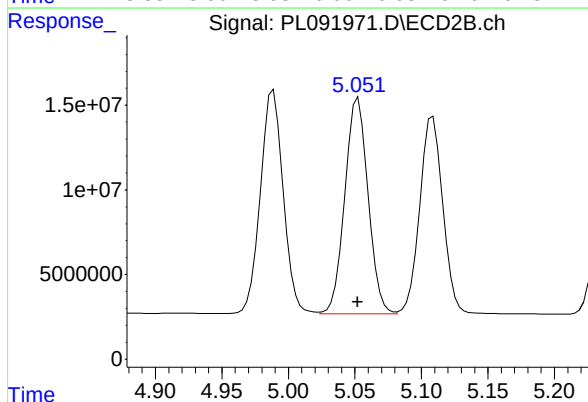
R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 157794225  
Conc: 52.45 ng/ml



#11 alpha-Chlordane

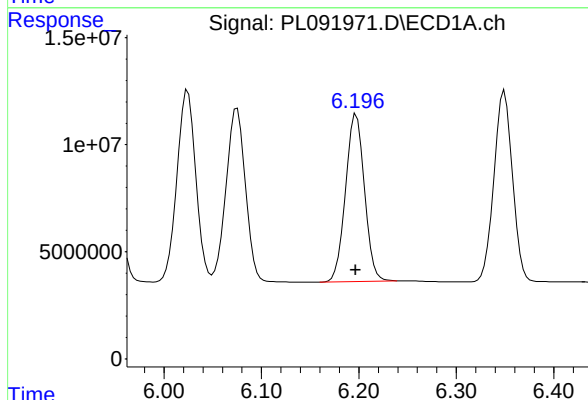
R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 120856670  
Conc: 49.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



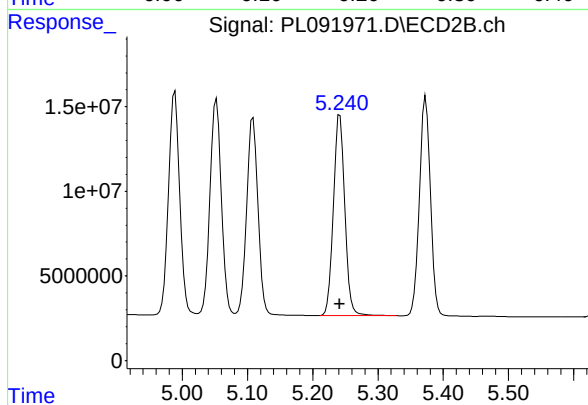
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 155423469  
Conc: 51.92 ng/ml



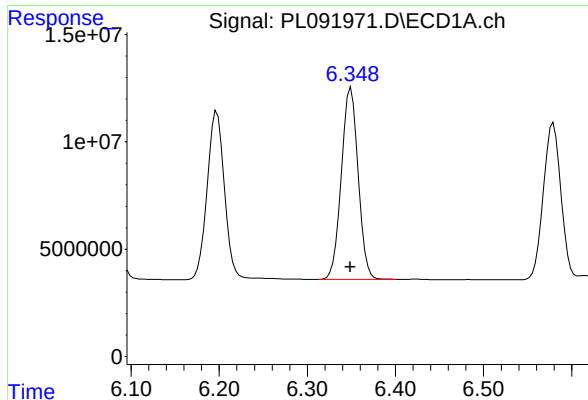
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 105583913  
Conc: 48.78 ng/ml



#12 4,4'-DDE

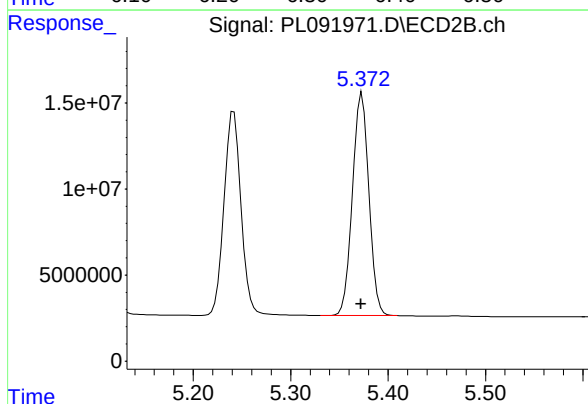
R.T.: 5.242 min  
Delta R.T.: 0.000 min  
Response: 144255374  
Conc: 51.91 ng/ml



#13 Dieldrin

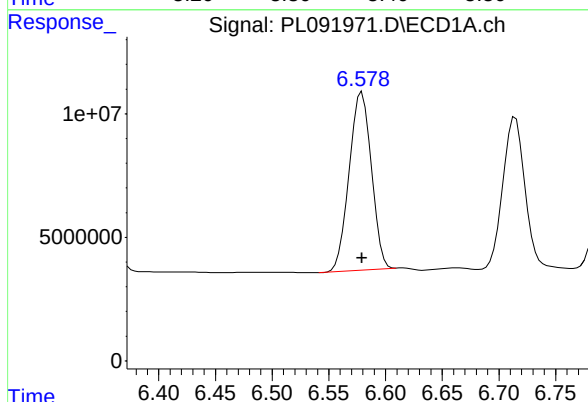
R.T.: 6.350 min  
Delta R.T.: 0.000 min  
Response: 118332046  
Conc: 48.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



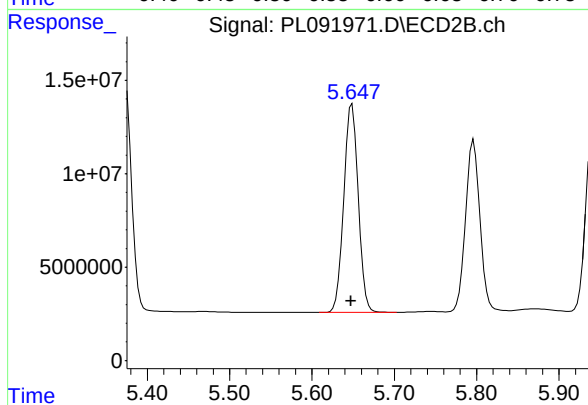
#13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 151581621  
Conc: 51.70 ng/ml



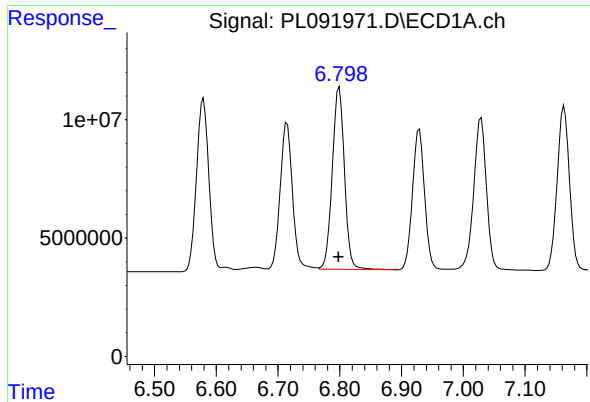
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 98509120  
Conc: 47.80 ng/ml



#14 Endrin

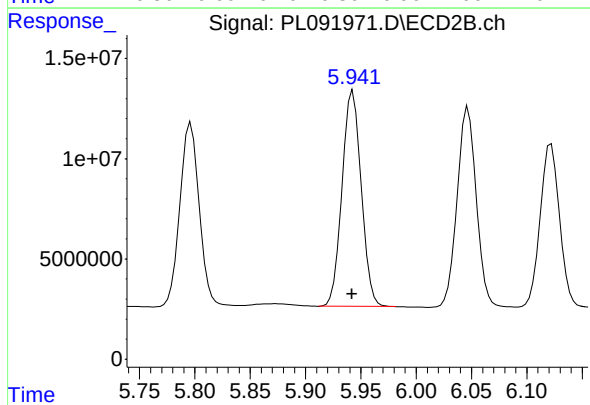
R.T.: 5.649 min  
Delta R.T.: 0.001 min  
Response: 135979076  
Conc: 51.86 ng/ml



#15 Endosulfan II

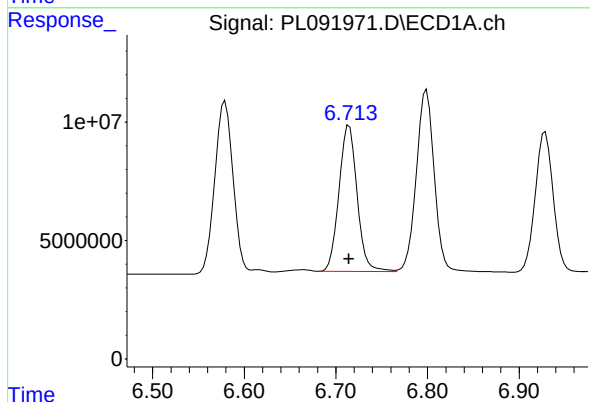
R.T.: 6.799 min  
Delta R.T.: 0.001 min  
Response: 104961924  
Conc: 47.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



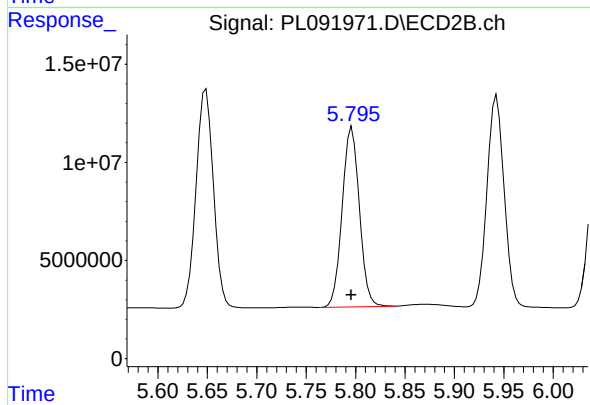
#15 Endosulfan II

R.T.: 5.943 min  
Delta R.T.: 0.000 min  
Response: 130113425  
Conc: 52.00 ng/ml



#16 4,4'-DDD

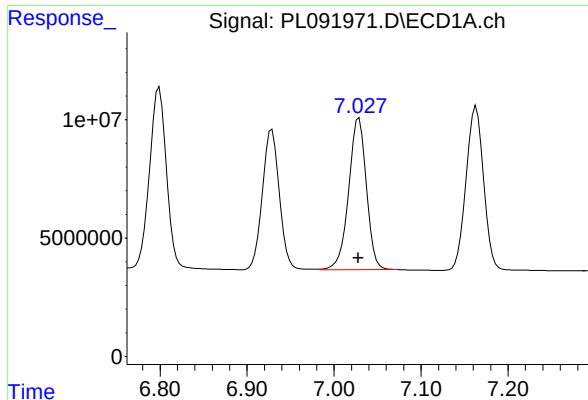
R.T.: 6.715 min  
Delta R.T.: 0.000 min  
Response: 85129062  
Conc: 47.41 ng/ml



#16 4,4'-DDD

R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 110665287  
Conc: 51.80 ng/ml

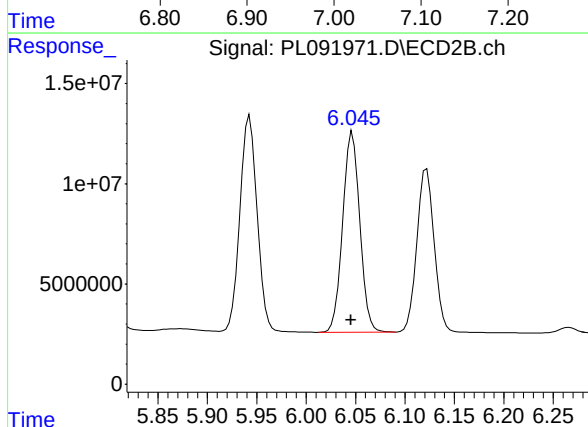




#17 4,4'-DDT

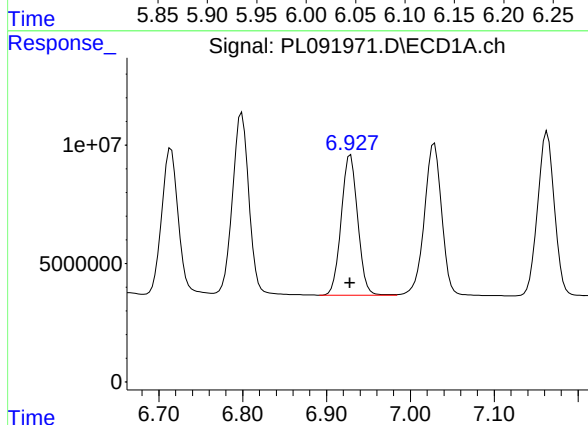
R.T.: 7.029 min  
Delta R.T.: 0.000 min  
Response: 91095429  
Conc: 49.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



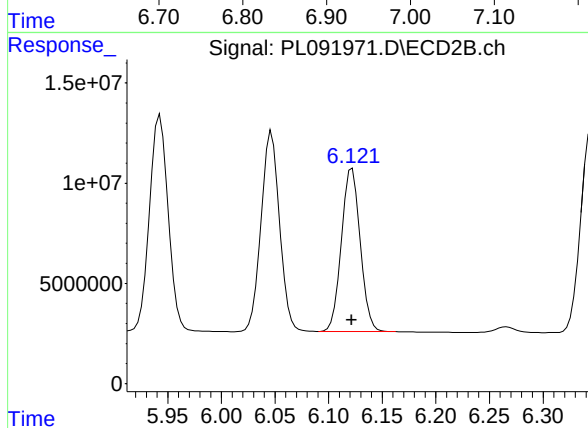
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.001 min  
Response: 120462614  
Conc: 52.08 ng/ml



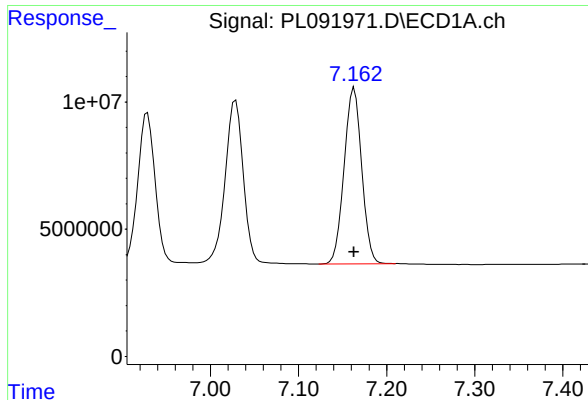
#18 Endrin aldehyde

R.T.: 6.929 min  
Delta R.T.: 0.000 min  
Response: 80636033  
Conc: 46.27 ng/ml



#18 Endrin aldehyde

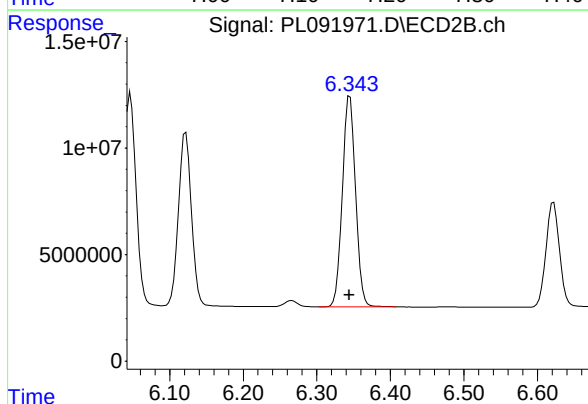
R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 99387650  
Conc: 48.70 ng/ml



## #19 Endosulfan Sulfate

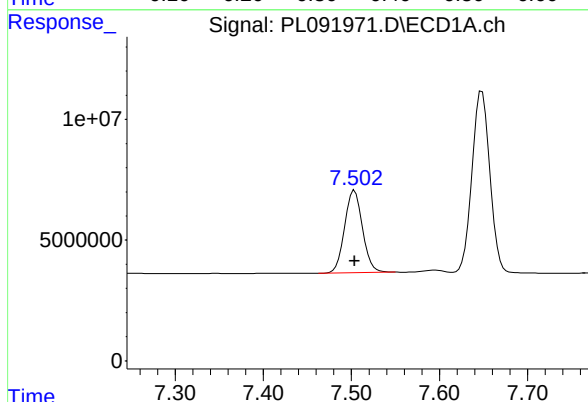
R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 95965254  
Conc: 48.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



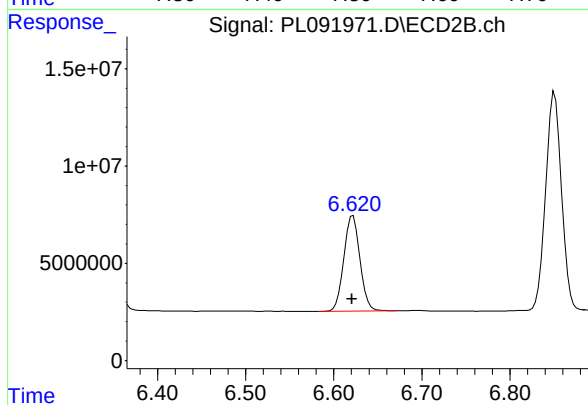
## #19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 123381603  
Conc: 51.14 ng/ml



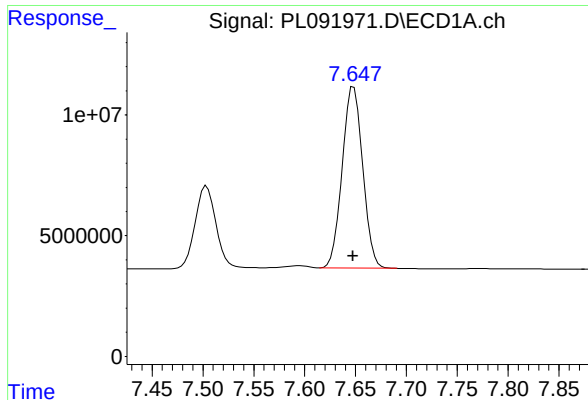
## #20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.000 min  
Response: 48243371  
Conc: 49.14 ng/ml



## #20 Methoxychlor

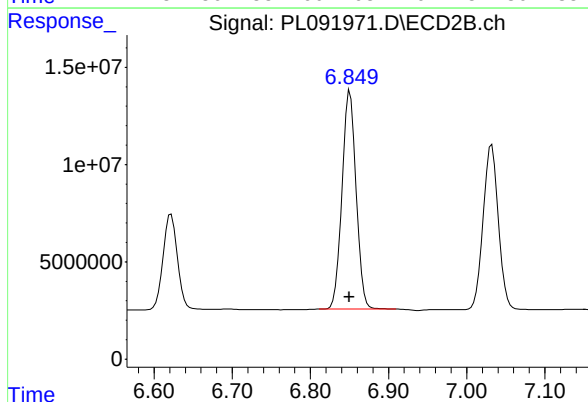
R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 62546426  
Conc: 50.02 ng/ml



#21 Endrin ketone

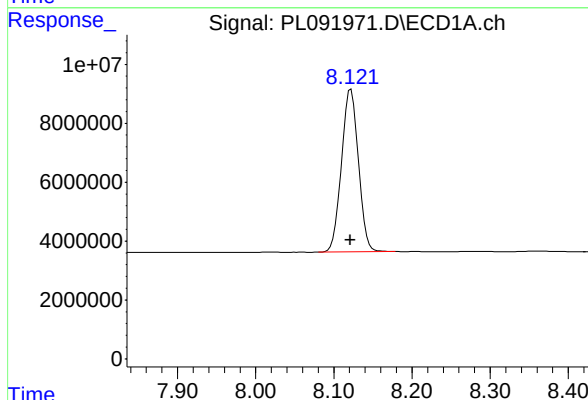
R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 105647048  
Conc: 48.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



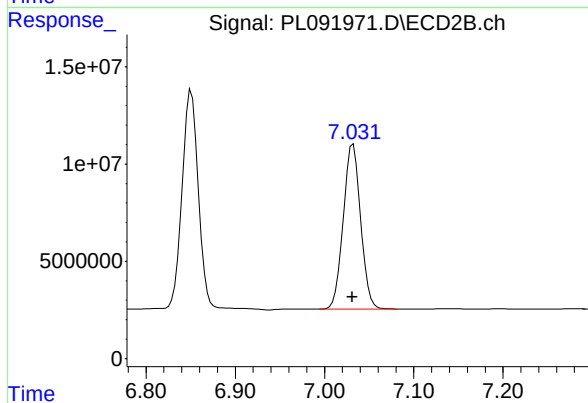
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 140965910  
Conc: 50.91 ng/ml



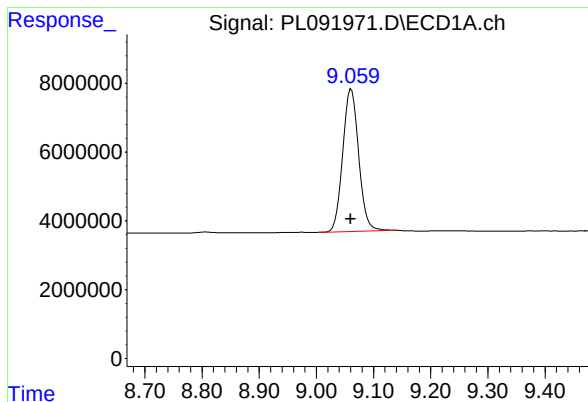
#22 Mirex

R.T.: 8.122 min  
Delta R.T.: 0.000 min  
Response: 83219849  
Conc: 46.21 ng/ml



#22 Mirex

R.T.: 7.032 min  
Delta R.T.: 0.000 min  
Response: 114612030  
Conc: 47.11 ng/ml

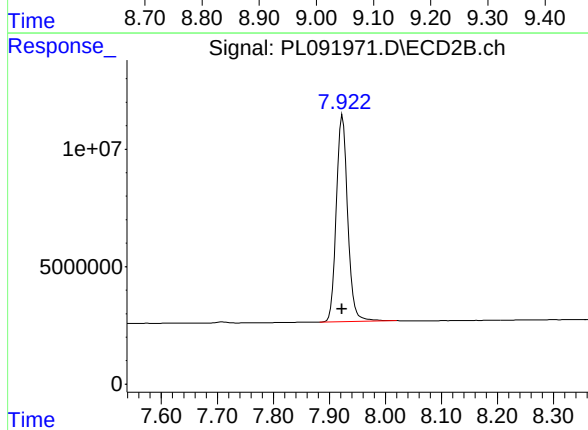


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 80630291  
Conc: 49.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 124380654  
Conc: 49.71 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091972.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 15:20  
 Operator : AR\AJ  
 Sample : PCHLORICV500  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL092324

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 23 16:42:47 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 16:41:55 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 106.0E6  | 152.5E6  | 48.293  | 49.786  |
| 28) SA Decachlor...         | 9.061 | 7.924 | 78307449 | 122.8E6  | 48.429  | 49.154  |
| Target Compounds            |       |       |          |          |         |         |
| 23) Chlordane-1             | 4.706 | 3.781 | 48433111 | 49506810 | 472.544 | 495.163 |
| 24) Chlordane-2             | 5.236 | 4.359 | 51223526 | 55177128 | 477.624 | 491.661 |
| 25) Chlordane-3             | 5.946 | 4.989 | 177.0E6  | 165.6E6  | 472.503 | 499.985 |
| 26) Chlordane-4             | 6.028 | 5.052 | 215.1E6  | 156.2E6  | 474.993 | 492.258 |
| 27) Chlordane-5             | 6.877 | 5.948 | 42165256 | 54383336 | 483.464 | 501.463 |
| -----                       |       |       |          |          |         |         |

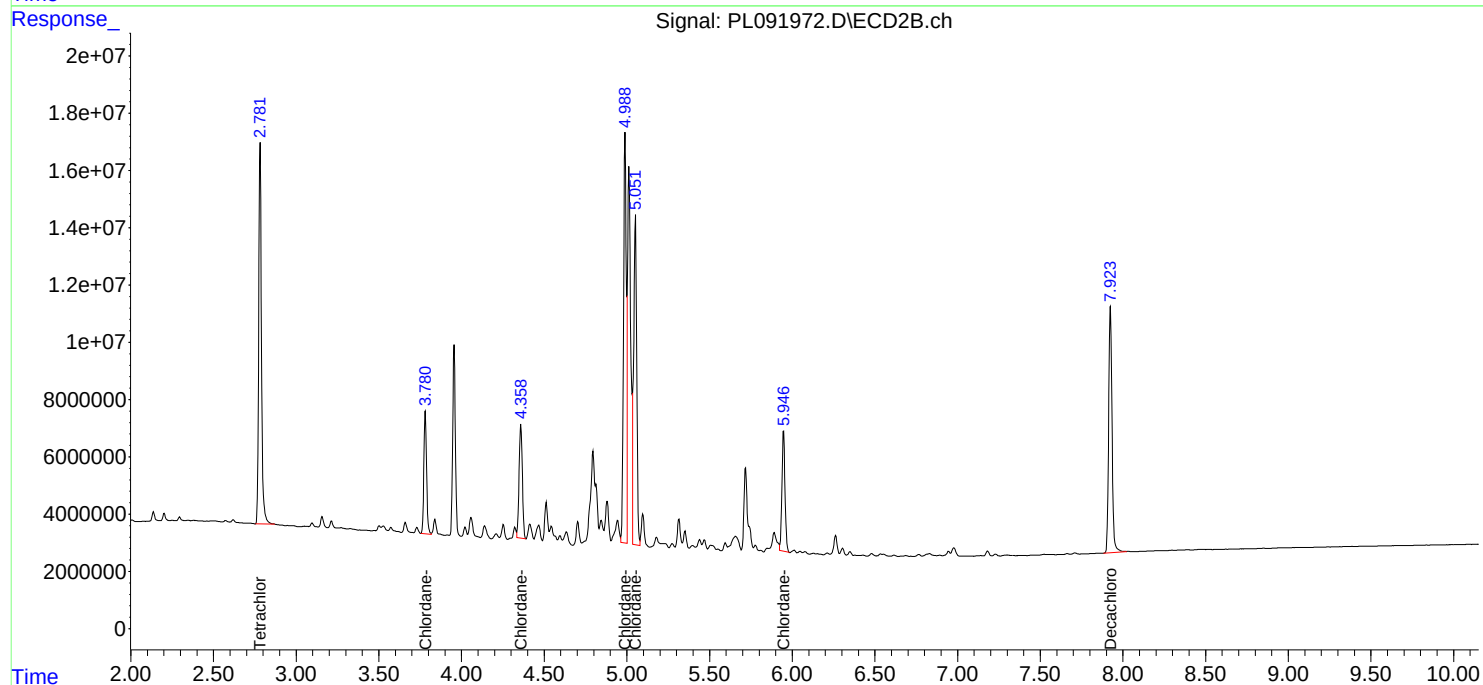
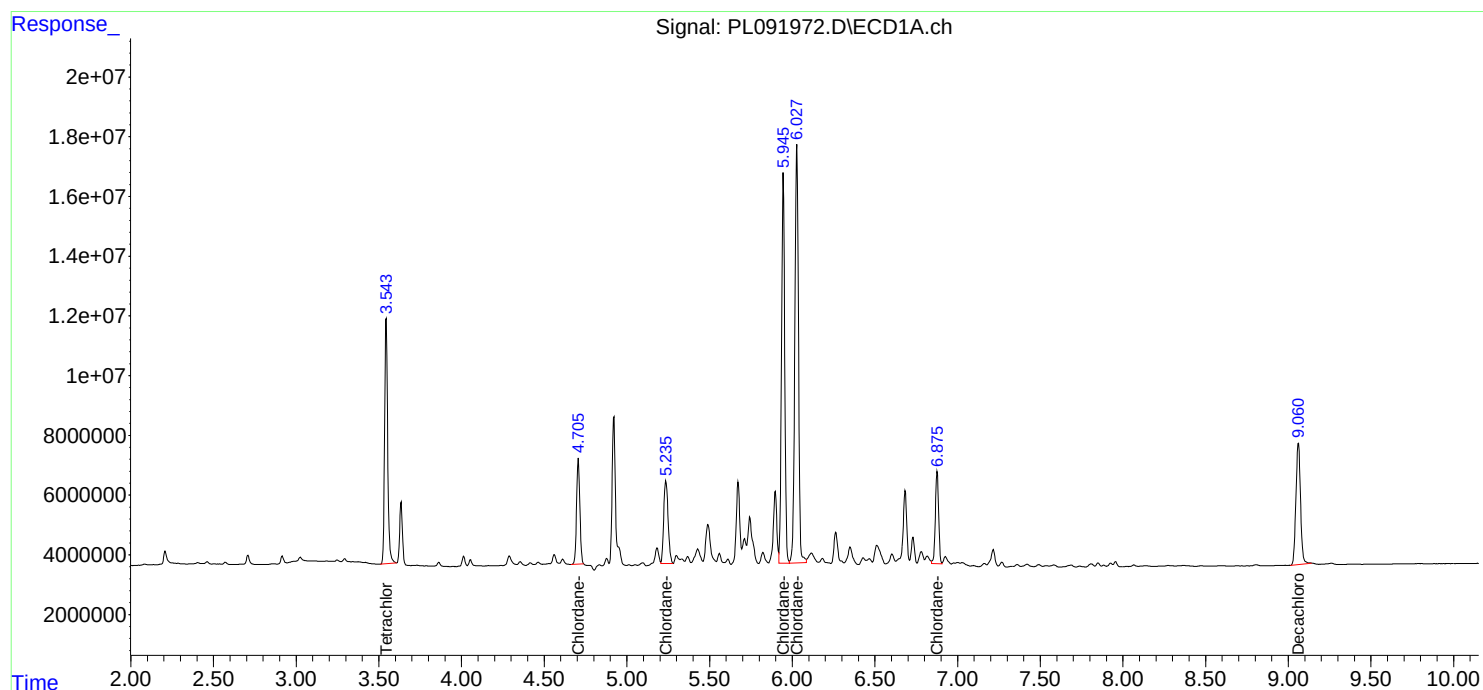
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

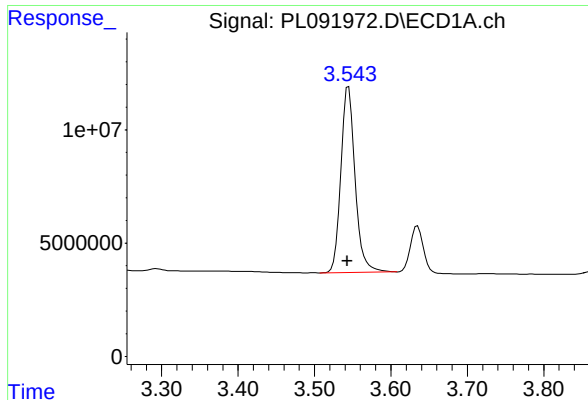
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091972.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 15:20  
Operator : AR\AJ  
Sample : PCHLORICV500  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 16:42:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:41:55 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

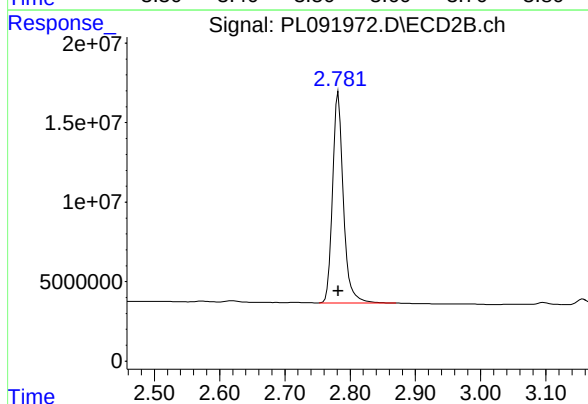




#1 Tetrachloro-m-xylene

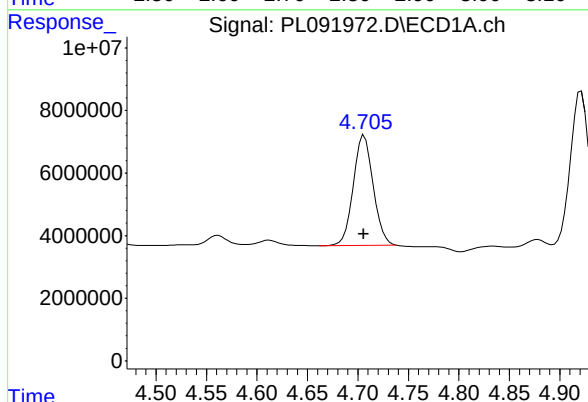
R.T.: 3.544 min  
Delta R.T.: 0.001 min  
Response: 106020958  
Conc: 48.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



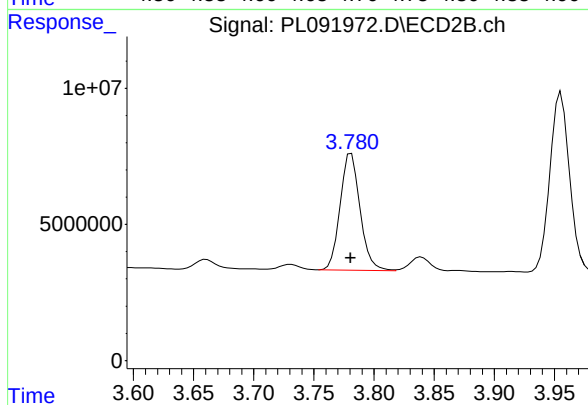
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 152495345  
Conc: 49.79 ng/ml



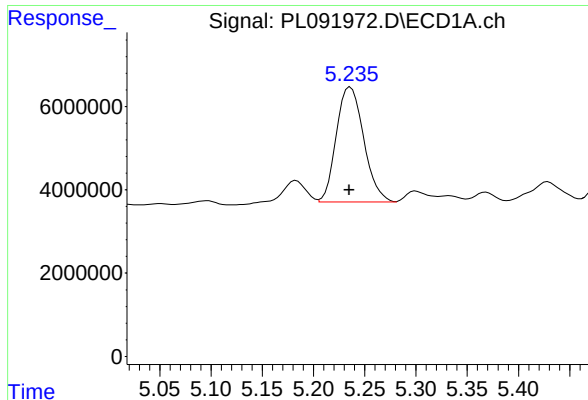
#23 Chlordane-1

R.T.: 4.706 min  
Delta R.T.: 0.000 min  
Response: 48433111  
Conc: 472.54 ng/ml



#23 Chlordane-1

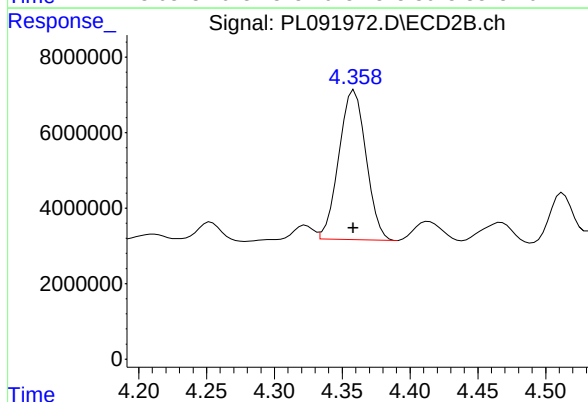
R.T.: 3.781 min  
Delta R.T.: 0.000 min  
Response: 49506810  
Conc: 495.16 ng/ml



#24 Chlordane-2

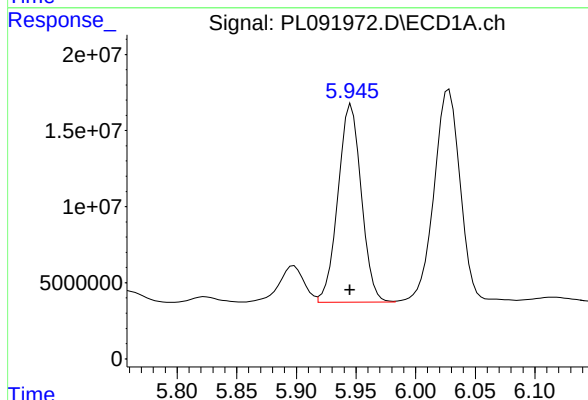
R.T.: 5.236 min  
Delta R.T.: 0.000 min  
Response: 51223526  
Conc: 477.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



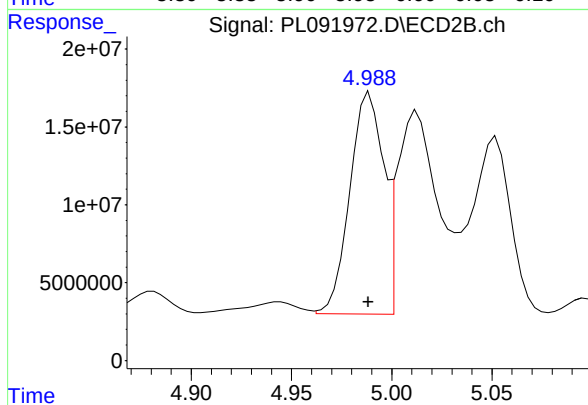
#24 Chlordane-2

R.T.: 4.359 min  
Delta R.T.: 0.000 min  
Response: 55177128  
Conc: 491.66 ng/ml



#25 Chlordane-3

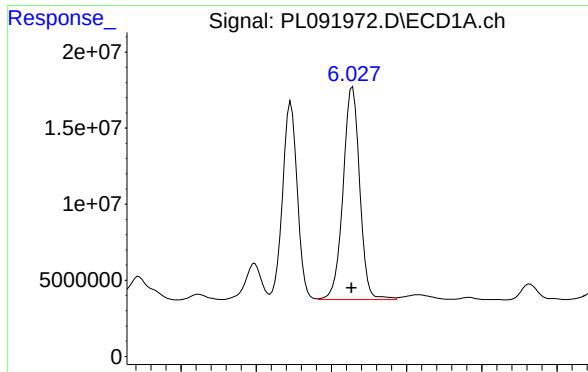
R.T.: 5.946 min  
Delta R.T.: 0.000 min  
Response: 176988585  
Conc: 472.50 ng/ml



#25 Chlordane-3

R.T.: 4.989 min  
Delta R.T.: 0.000 min  
Response: 165609265  
Conc: 499.99 ng/ml

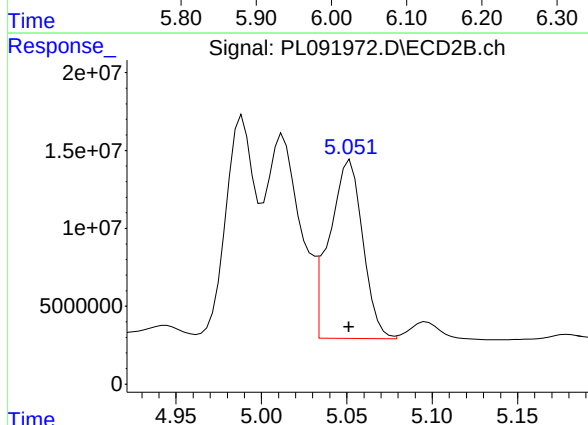




#26 Chlordane-4

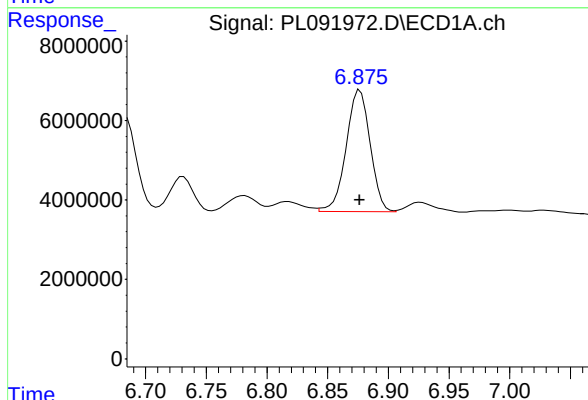
R.T.: 6.028 min  
Delta R.T.: 0.001 min  
Response: 215098949  
Conc: 474.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



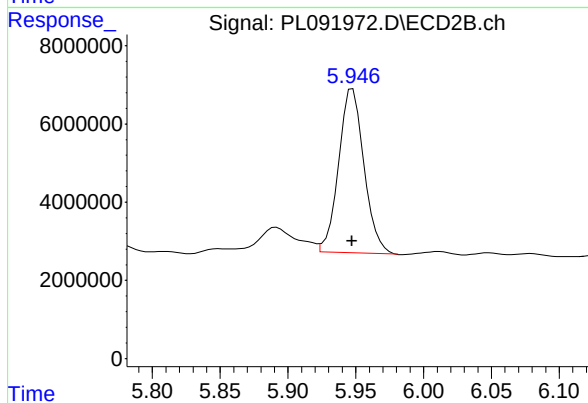
#26 Chlordane-4

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 156184672  
Conc: 492.26 ng/ml



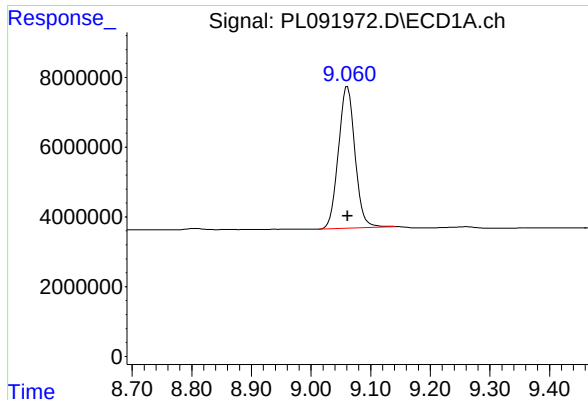
#27 Chlordane-5

R.T.: 6.877 min  
Delta R.T.: 0.000 min  
Response: 42165256  
Conc: 483.46 ng/ml



#27 Chlordane-5

R.T.: 5.948 min  
Delta R.T.: 0.000 min  
Response: 54383336  
Conc: 501.46 ng/ml

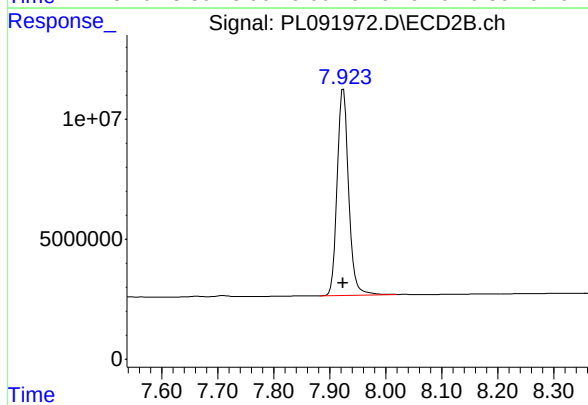


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 78307449  
Conc: 48.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 122848008  
Conc: 49.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091973.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 15:47  
Operator : AR\AJ  
Sample : PTOXICV500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 15:57:27 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:51:37 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.544 | 2.783 | 106.0E6  | 124.1E6  | 46.888  | 47.823  |
| 7) SA Decachlor...          | 9.061 | 7.924 | 76815884 | 122.2E6  | 46.636  | 47.394  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.241 | 5.013 | 11013305 | 8801665  | 475.036 | 483.177 |
| 3) Toxaphene-2              | 6.445 | 5.337 | 6784732  | 8482784  | 470.031 | 485.233 |
| 4) Toxaphene-3              | 7.062 | 6.611 | 33644733 | 30213842 | 462.251 | 489.402 |
| 5) Toxaphene-4              | 7.154 | 6.740 | 25440428 | 43005290 | 460.778 | 489.466 |
| 6) Toxaphene-5              | 7.938 | 7.052 | 19006455 | 28140333 | 465.831 | 472.098 |
| -----                       |       |       |          |          |         |         |

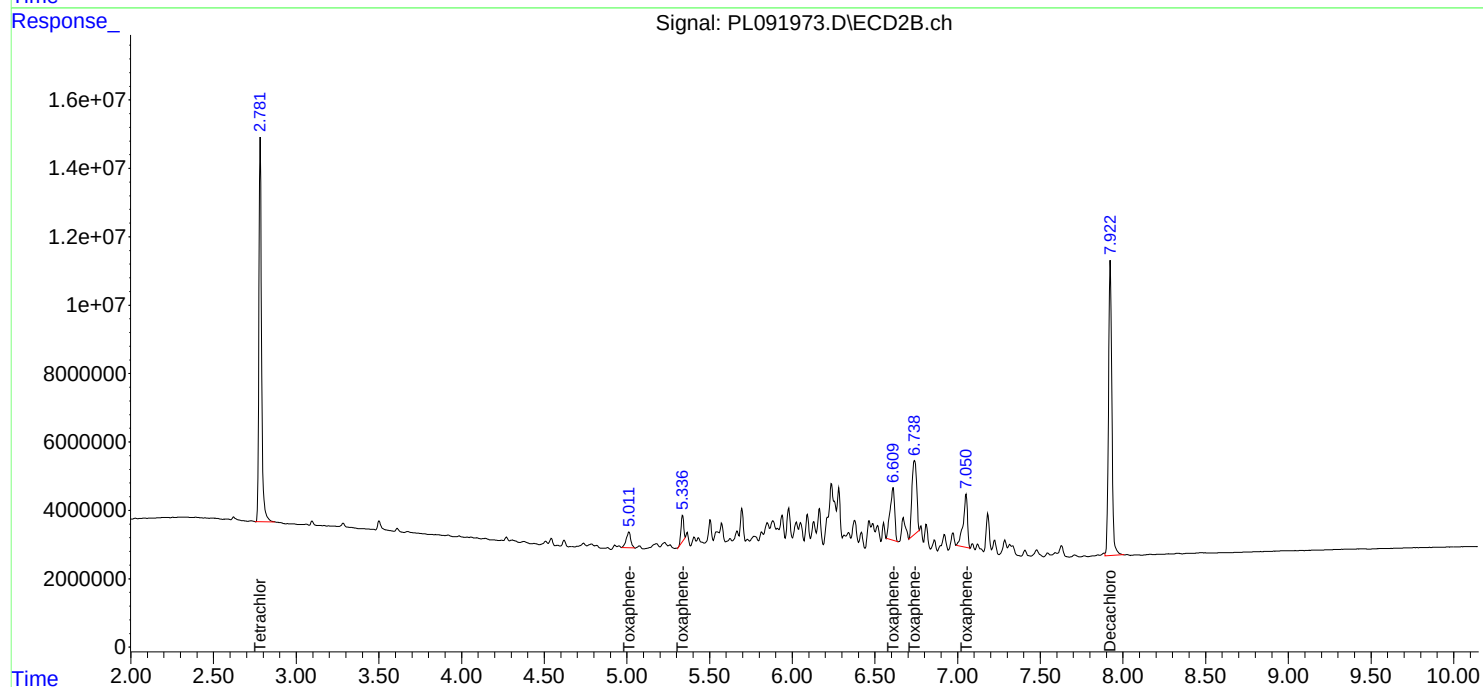
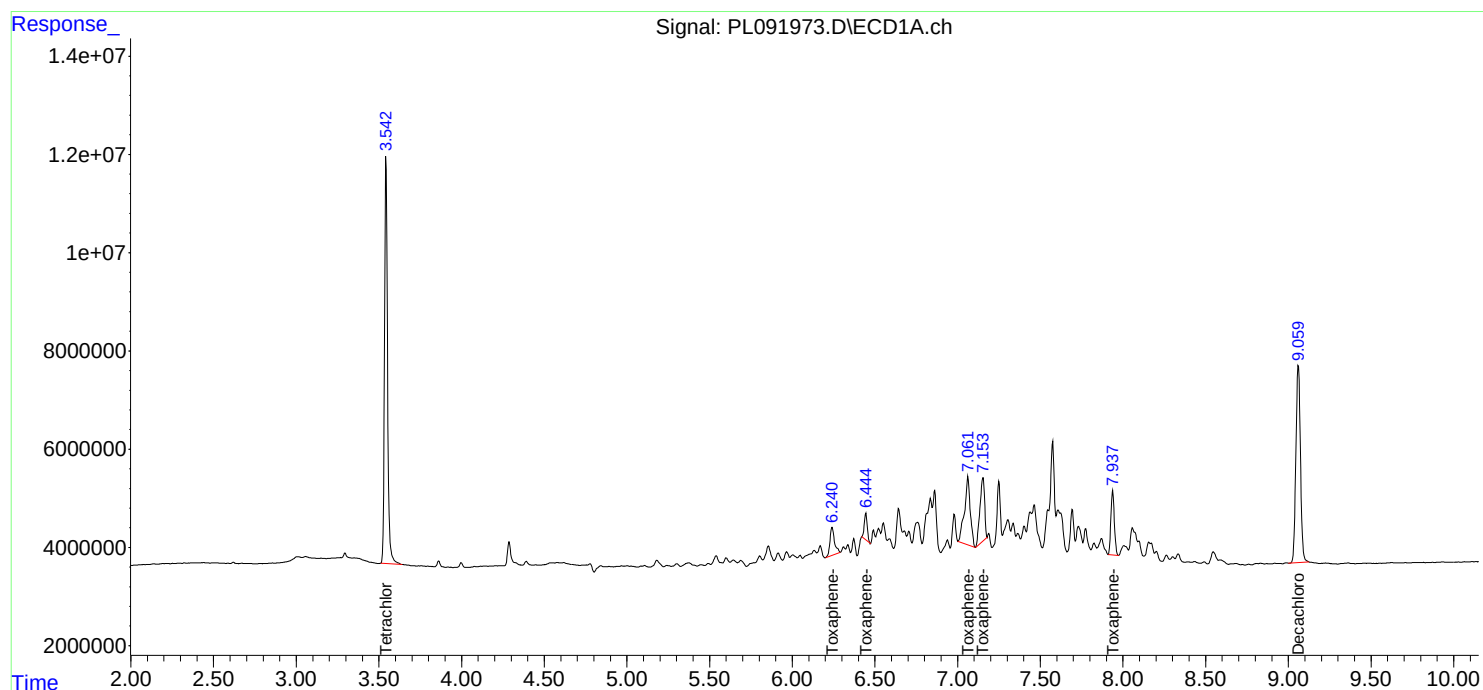
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

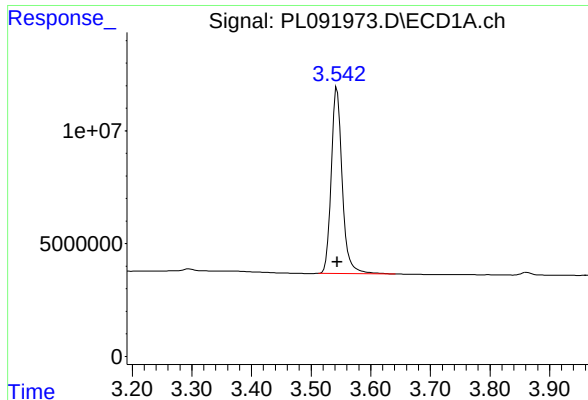
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091973.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 15:47  
Operator : AR\AJ  
Sample : PTOXICV500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 15:57:27 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:51:37 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

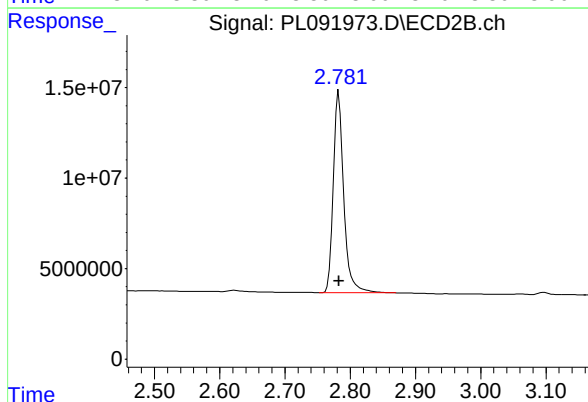




## #1 Tetrachloro-m-xylene

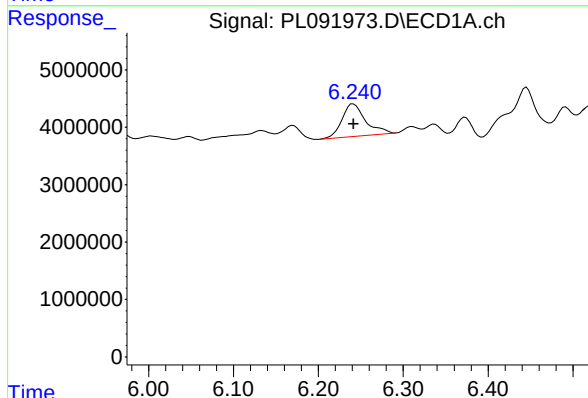
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 106030184  
Conc: 46.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



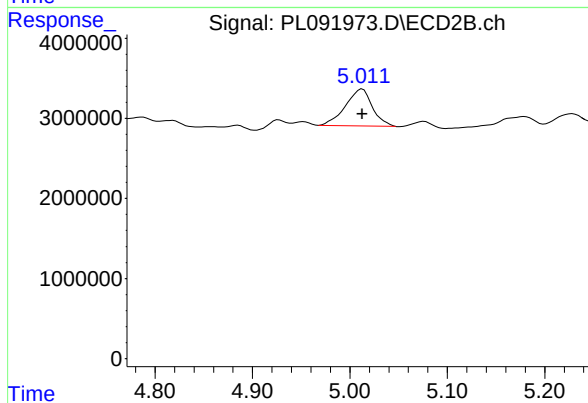
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 124113309  
Conc: 47.82 ng/ml



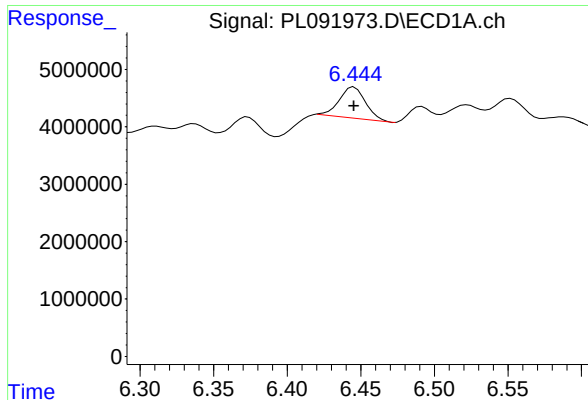
## #2 Toxaphene-1

R.T.: 6.241 min  
Delta R.T.: 0.000 min  
Response: 11013305  
Conc: 475.04 ng/ml



## #2 Toxaphene-1

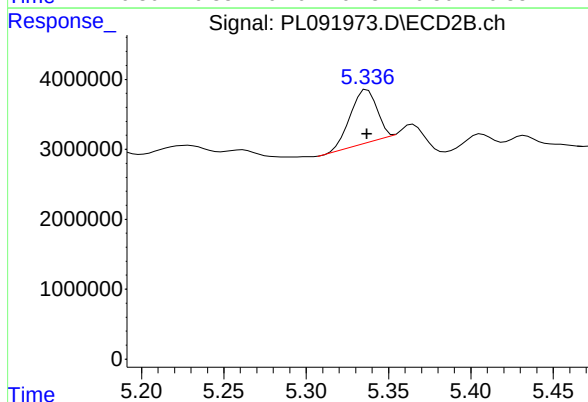
R.T.: 5.013 min  
Delta R.T.: 0.000 min  
Response: 8801665  
Conc: 483.18 ng/ml



#3 Toxaphene-2

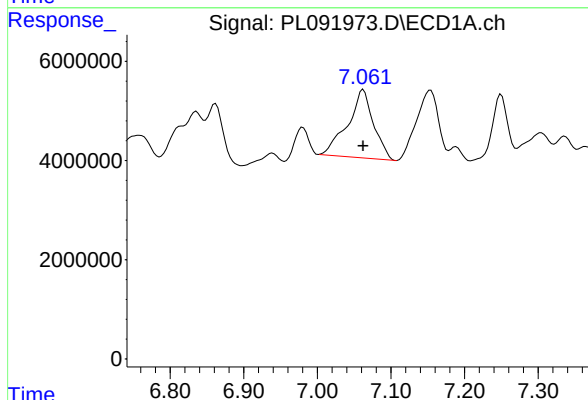
R.T.: 6.445 min  
Delta R.T.: 0.000 min  
Response: 6784732  
Conc: 470.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



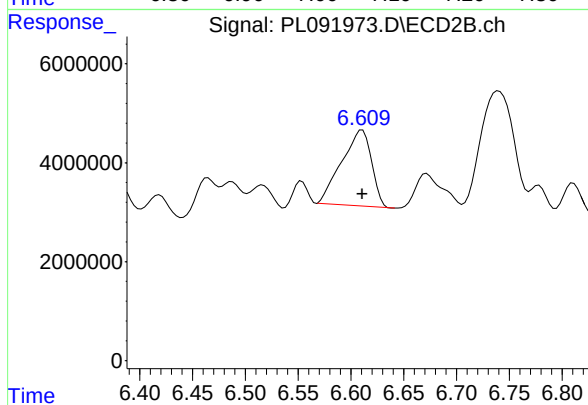
#3 Toxaphene-2

R.T.: 5.337 min  
Delta R.T.: 0.000 min  
Response: 8482784  
Conc: 485.23 ng/ml



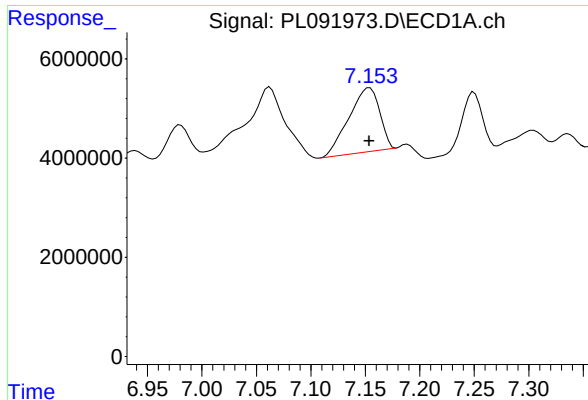
#4 Toxaphene-3

R.T.: 7.062 min  
Delta R.T.: 0.000 min  
Response: 33644733  
Conc: 462.25 ng/ml



#4 Toxaphene-3

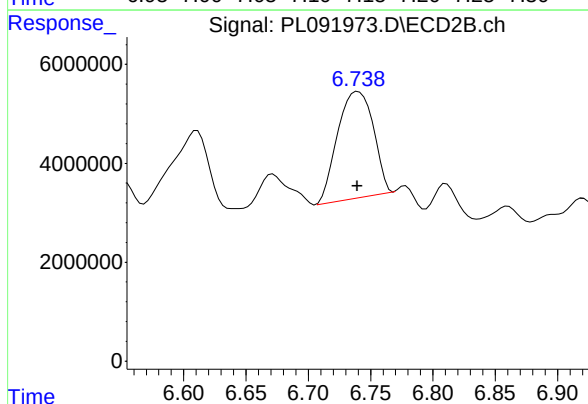
R.T.: 6.611 min  
Delta R.T.: 0.000 min  
Response: 30213842  
Conc: 489.40 ng/ml



#5 Toxaphene-4

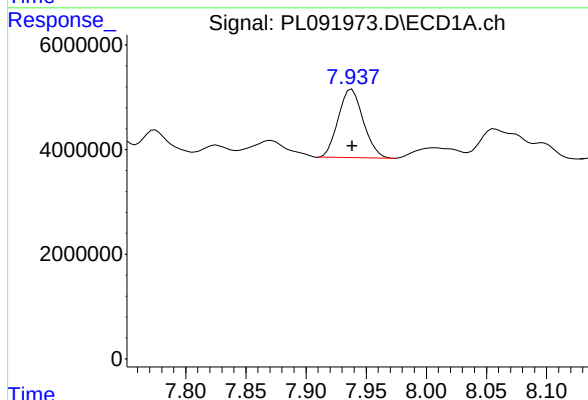
R.T.: 7.154 min  
Delta R.T.: 0.000 min  
Response: 25440428  
Conc: 460.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



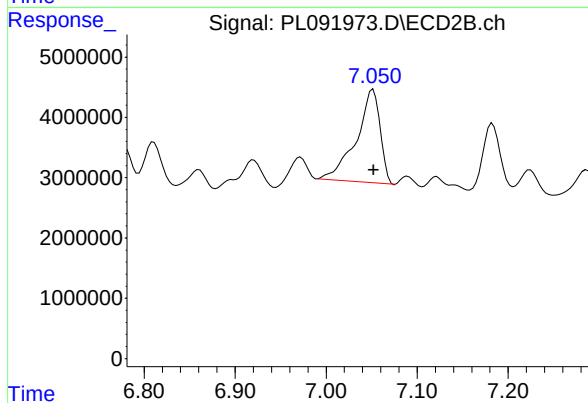
#5 Toxaphene-4

R.T.: 6.740 min  
Delta R.T.: 0.000 min  
Response: 43005290  
Conc: 489.47 ng/ml



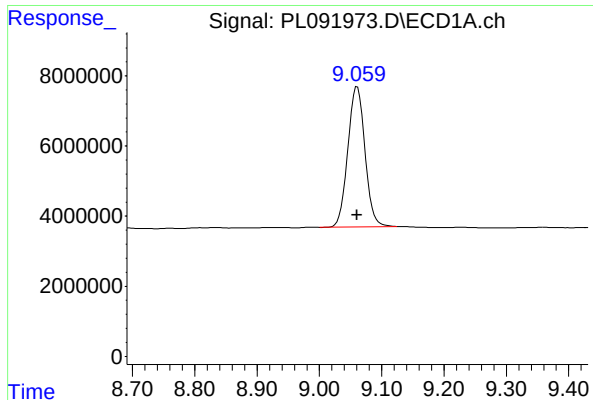
#6 Toxaphene-5

R.T.: 7.938 min  
Delta R.T.: 0.000 min  
Response: 19006455  
Conc: 465.83 ng/ml



#6 Toxaphene-5

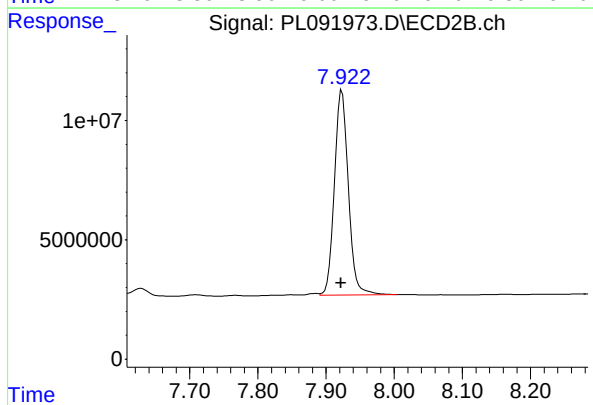
R.T.: 7.052 min  
Delta R.T.: 0.000 min  
Response: 28140333  
Conc: 472.10 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 76815884  
Conc: 46.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL092324



#7 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.002 min  
Response: 122214426  
Conc: 47.39 ng/ml





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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:24 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 4.00      | 3.90      | 4.10 | 0.00       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.77       | 4.78      | 4.68      | 4.88 | 0.01       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.69      | 5.59      | 5.79 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Endrin               | 6.58       | 6.58      | 6.48      | 6.68 | 0.01       |
| Endosulfan II        | 6.79       | 6.80      | 6.70      | 6.90 | 0.01       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.03      | 6.93      | 7.13 | 0.00       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.64       | 7.65      | 7.55      | 7.75 | 0.01       |
| Endrin aldehyde      | 6.92       | 6.93      | 6.83      | 7.03 | 0.01       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.95      | 5.85      | 6.05 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:24 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.93      | 7.83      | 8.03 | 0.01       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.29      | 3.19      | 3.39 | 0.01       |
| beta-BHC             | 3.91       | 3.92      | 3.82      | 4.02 | 0.01       |
| delta-BHC            | 4.14       | 4.15      | 4.05      | 4.25 | 0.01       |
| gamma-BHC (Lindane)  | 3.61       | 3.62      | 3.52      | 3.72 | 0.01       |
| Heptachlor           | 3.95       | 3.96      | 3.86      | 4.06 | 0.01       |
| Aldrin               | 4.23       | 4.24      | 4.14      | 4.34 | 0.01       |
| Heptachlor epoxide   | 4.74       | 4.74      | 4.64      | 4.84 | 0.00       |
| Endosulfan I         | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Endrin               | 5.65       | 5.65      | 5.55      | 5.75 | 0.01       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.80      | 5.70      | 5.90 | 0.01       |
| Endosulfan sulfate   | 6.34       | 6.35      | 6.25      | 6.45 | 0.01       |
| 4,4'-DDT             | 6.05       | 6.05      | 5.95      | 6.15 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL01 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091606.D Time Analyzed: 11:24

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.711 | 6.614     | 6.814 | 50.380             | 50.000            | 0.8  |
| 4,4'-DDE             | 6.195 | 6.096     | 6.296 | 52.010             | 50.000            | 4.0  |
| 4,4'-DDT             | 7.025 | 6.928     | 7.128 | 51.170             | 50.000            | 2.3  |
| Aldrin               | 5.261 | 5.162     | 5.362 | 51.410             | 50.000            | 2.8  |
| alpha-BHC            | 3.997 | 3.899     | 4.099 | 51.800             | 50.000            | 3.6  |
| alpha-Chlordane      | 6.021 | 5.923     | 6.123 | 52.350             | 50.000            | 4.7  |
| beta-BHC             | 4.527 | 4.428     | 4.628 | 53.390             | 50.000            | 6.8  |
| Decachlorobiphenyl   | 9.056 | 8.960     | 9.160 | 48.210             | 50.000            | -3.6 |
| delta-BHC            | 4.774 | 4.676     | 4.876 | 48.830             | 50.000            | -2.3 |
| Dieldrin             | 6.347 | 6.249     | 6.449 | 51.690             | 50.000            | 3.4  |
| Endosulfan I         | 6.072 | 5.974     | 6.174 | 51.030             | 50.000            | 2.1  |
| Endosulfan II        | 6.794 | 6.698     | 6.898 | 50.780             | 50.000            | 1.6  |
| Endosulfan sulfate   | 7.160 | 7.062     | 7.262 | 49.440             | 50.000            | -1.1 |
| Endrin               | 6.575 | 6.479     | 6.679 | 53.500             | 50.000            | 7.0  |
| Endrin aldehyde      | 6.924 | 6.829     | 7.029 | 48.410             | 50.000            | -3.2 |
| Endrin ketone        | 7.644 | 7.547     | 7.747 | 49.290             | 50.000            | -1.4 |
| gamma-BHC (Lindane)  | 4.330 | 4.232     | 4.432 | 52.550             | 50.000            | 5.1  |
| gamma-Chlordane      | 5.942 | 5.845     | 6.045 | 50.370             | 50.000            | 0.7  |
| Heptachlor           | 4.919 | 4.821     | 5.021 | 53.180             | 50.000            | 6.4  |
| Heptachlor epoxide   | 5.687 | 5.589     | 5.789 | 49.590             | 50.000            | -0.8 |
| Methoxychlor         | 7.501 | 7.403     | 7.603 | 52.370             | 50.000            | 4.7  |
| Tetrachloro-m-xylene | 3.542 | 3.444     | 3.644 | 51.360             | 50.000            | 2.7  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL01 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091606.D Time Analyzed: 11:24

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.793 | 5.697     | 5.897 | 53.490             | 50.000            | 7.0  |
| 4,4'-DDE             | 5.240 | 5.142     | 5.342 | 57.060             | 50.000            | 14.1 |
| 4,4'-DDT             | 6.045 | 5.947     | 6.147 | 56.400             | 50.000            | 12.8 |
| Aldrin               | 4.232 | 4.136     | 4.336 | 56.190             | 50.000            | 12.4 |
| alpha-BHC            | 3.284 | 3.186     | 3.386 | 55.020             | 50.000            | 10.0 |
| alpha-Chlordane      | 5.050 | 4.953     | 5.153 | 55.870             | 50.000            | 11.7 |
| beta-BHC             | 3.913 | 3.815     | 4.015 | 52.190             | 50.000            | 4.4  |
| Decachlorobiphenyl   | 7.921 | 7.825     | 8.025 | 50.900             | 50.000            | 1.8  |
| delta-BHC            | 4.143 | 4.045     | 4.245 | 55.640             | 50.000            | 11.3 |
| Dieldrin             | 5.371 | 5.274     | 5.474 | 55.540             | 50.000            | 11.1 |
| Endosulfan I         | 5.106 | 5.009     | 5.209 | 55.030             | 50.000            | 10.1 |
| Endosulfan II        | 5.941 | 5.843     | 6.043 | 54.340             | 50.000            | 8.7  |
| Endosulfan sulfate   | 6.343 | 6.246     | 6.446 | 53.200             | 50.000            | 6.4  |
| Endrin               | 5.645 | 5.549     | 5.749 | 55.660             | 50.000            | 11.3 |
| Endrin aldehyde      | 6.120 | 6.023     | 6.223 | 53.900             | 50.000            | 7.8  |
| Endrin ketone        | 6.848 | 6.751     | 6.951 | 51.690             | 50.000            | 3.4  |
| gamma-BHC (Lindane)  | 3.614 | 3.516     | 3.716 | 53.960             | 50.000            | 7.9  |
| gamma-Chlordane      | 4.985 | 4.889     | 5.089 | 54.100             | 50.000            | 8.2  |
| Heptachlor           | 3.953 | 3.856     | 4.056 | 55.330             | 50.000            | 10.7 |
| Heptachlor epoxide   | 4.735 | 4.639     | 4.839 | 55.200             | 50.000            | 10.4 |
| Methoxychlor         | 6.619 | 6.523     | 6.723 | 54.800             | 50.000            | 9.6  |
| Tetrachloro-m-xylene | 2.781 | 2.683     | 2.883 | 54.440             | 50.000            | 8.9  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
 Data File : PL091606.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Sep 2024 11:24  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 09/11/2024  
 Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 11 05:30:58 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.781 | 80054556 | 101.8E6  | 51.363  | 54.438  |
| 28) SA Decachlor...         | 9.056 | 7.921 | 58586381 | 93994687 | 48.206  | 50.903  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.997 | 3.284 | 111.9E6  | 146.3E6  | 51.796  | 55.020  |
| 3) MA gamma-BHC...          | 4.330 | 3.614 | 108.0E6  | 132.7E6  | 52.551  | 53.959  |
| 4) MA Heptachlor            | 4.919 | 3.953 | 99614893 | 133.3E6  | 53.184  | 55.332  |
| 5) MB Aldrin                | 5.261 | 4.232 | 95758181 | 128.2E6  | 51.412  | 56.186m |
| 6) B beta-BHC               | 4.527 | 3.913 | 48583758 | 57010583 | 53.388  | 52.185  |
| 7) B delta-BHC              | 4.774 | 4.143 | 93810121 | 128.0E6  | 48.830  | 55.644  |
| 8) B Heptachlo...           | 5.687 | 4.735 | 82743985 | 116.3E6  | 49.585  | 55.199m |
| 9) A Endosulfan I           | 6.072 | 5.106 | 79506093 | 106.2E6  | 51.027  | 55.032  |
| 10) B gamma-Chl...          | 5.942 | 4.985 | 84150350 | 119.3E6  | 50.366  | 54.101m |
| 11) B alpha-Chl...          | 6.021 | 5.050 | 84386013 | 115.6E6  | 52.354  | 55.872  |
| 12) B 4,4'-DDE              | 6.195 | 5.240 | 75867910 | 108.2E6  | 52.012  | 57.059  |
| 13) MA Dieldrin             | 6.347 | 5.371 | 84344962 | 114.2E6  | 51.690  | 55.537  |
| 14) MA Endrin               | 6.575 | 5.645 | 71132222 | 105.0E6  | 53.495m | 55.662m |
| 15) B Endosulfa...          | 6.794 | 5.941 | 78713024 | 96130488 | 50.782m | 54.344  |
| 16) A 4,4'-DDD              | 6.711 | 5.793 | 63860334 | 89628199 | 50.381  | 53.485m |
| 17) MA 4,4'-DDT             | 7.025 | 6.045 | 67122566 | 90625147 | 51.170  | 56.402  |
| 18) B Endrin al...          | 6.924 | 6.120 | 57511873 | 73688510 | 48.405m | 53.904  |
| 19) B Endosulfa...          | 7.160 | 6.343 | 69042452 | 91293036 | 49.443  | 53.198  |
| 20) A Methoxychlor          | 7.501 | 6.619 | 35429713 | 48536467 | 52.375  | 54.796  |
| 21) B Endrin ke...          | 7.644 | 6.848 | 76213040 | 104.0E6  | 49.287  | 51.689  |
| 22) Mirex                   | 8.118 | 7.029 | 59315076 | 84691469 | 49.535  | 47.761  |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
Data File : PL091606.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 11:24  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

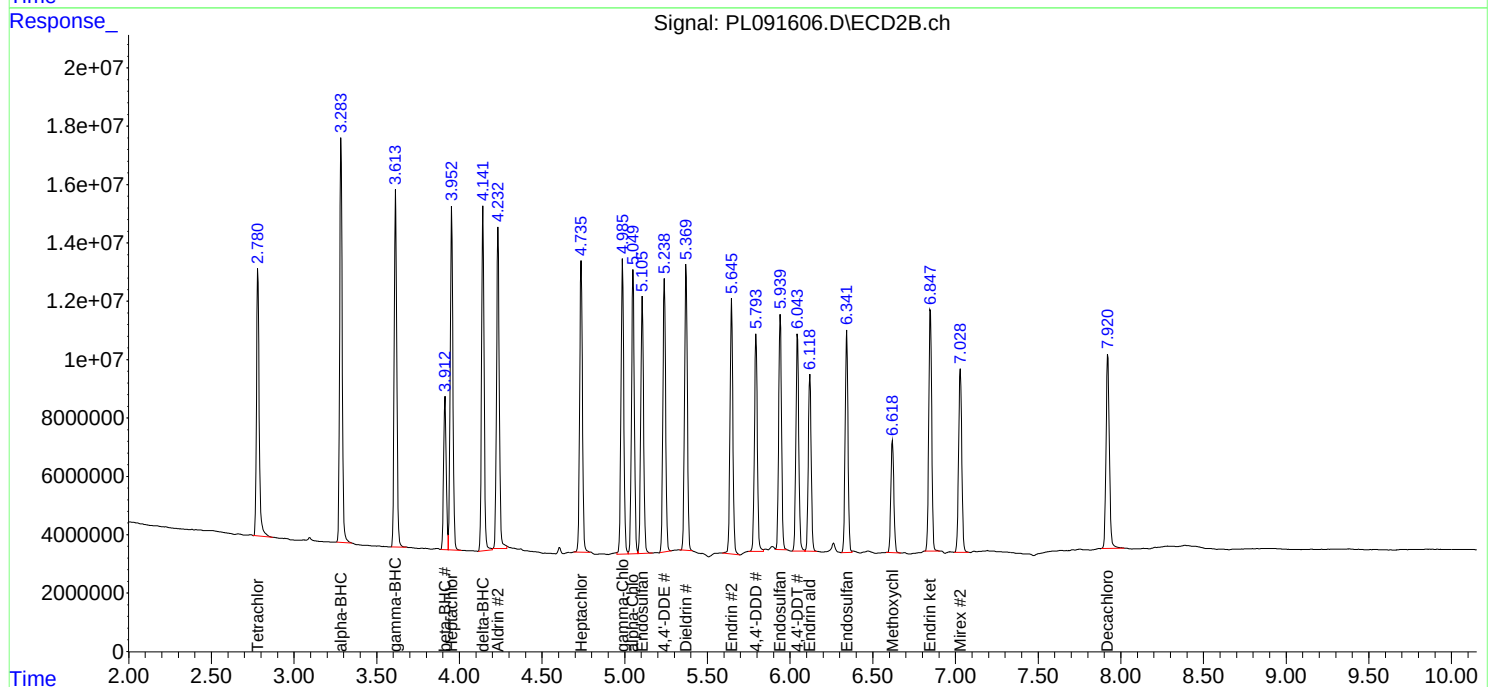
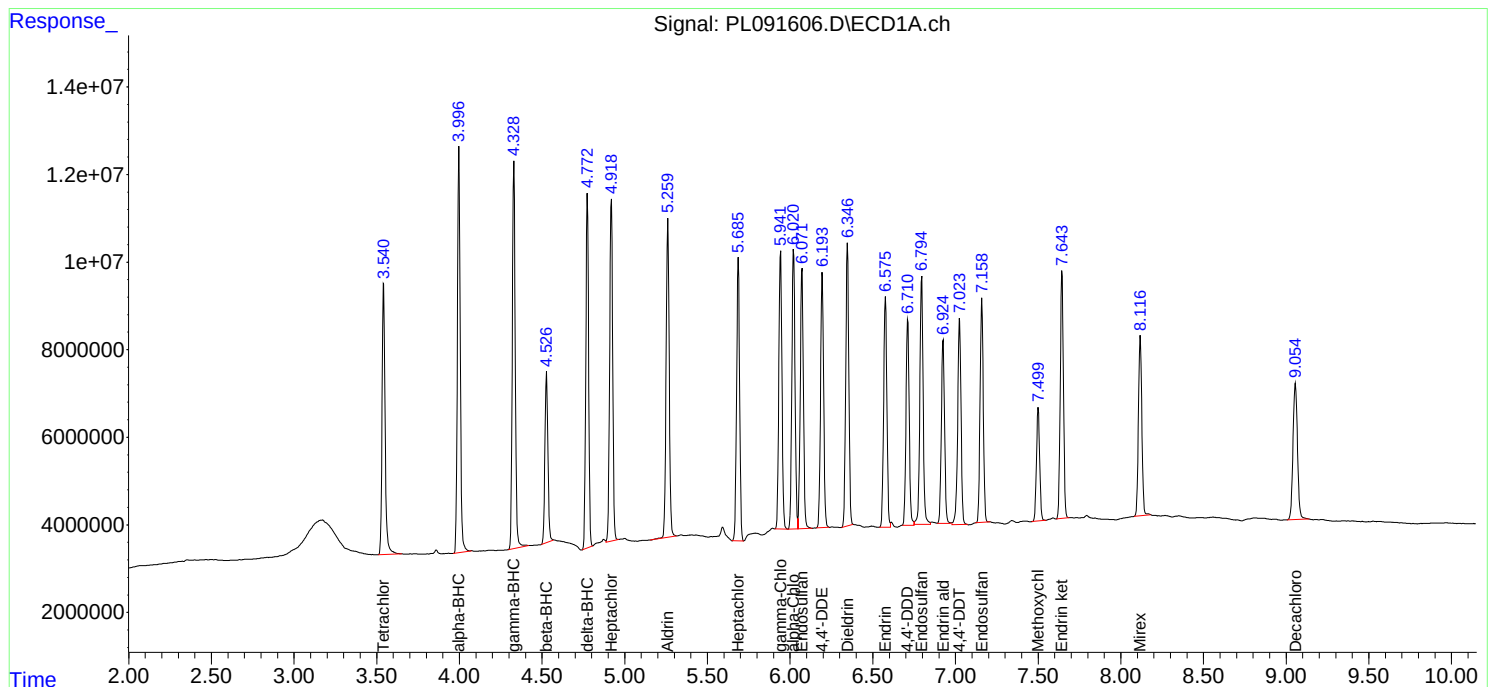
## APPROVED

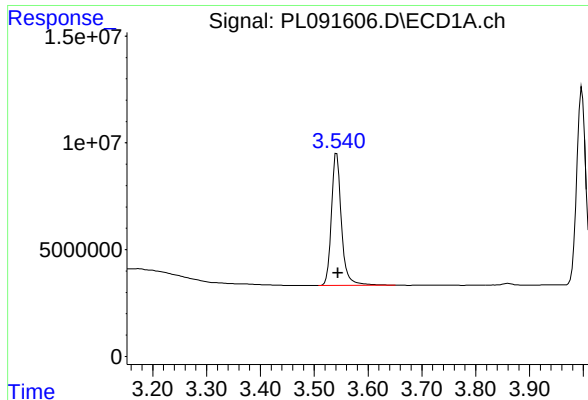
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 11 05:30:58 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





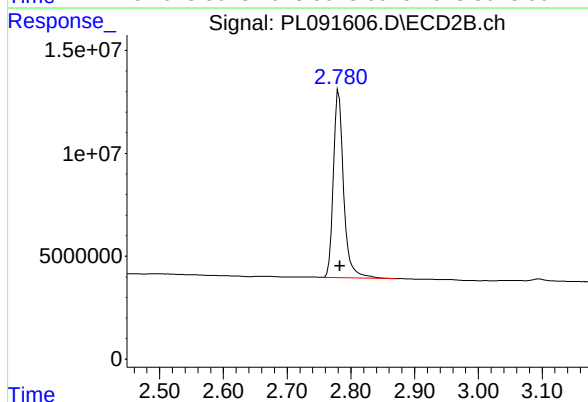
## #1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 80054556  
Conc: 51.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

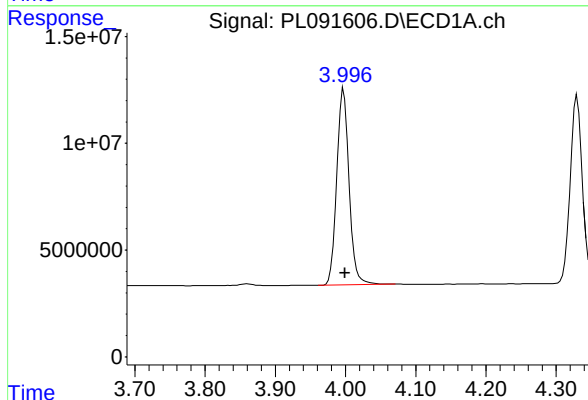
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



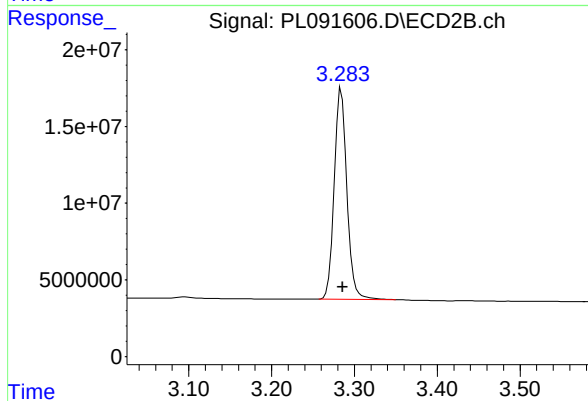
## #1 Tetrachloro-m-xylene

R.T.: 2.781 min  
Delta R.T.: -0.002 min  
Response: 101816190  
Conc: 54.44 ng/ml



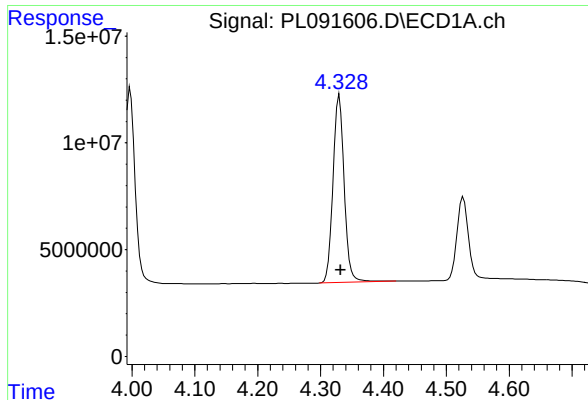
## #2 alpha-BHC

R.T.: 3.997 min  
Delta R.T.: -0.002 min  
Response: 111874708  
Conc: 51.80 ng/ml



## #2 alpha-BHC

R.T.: 3.284 min  
Delta R.T.: -0.002 min  
Response: 146329542  
Conc: 55.02 ng/ml



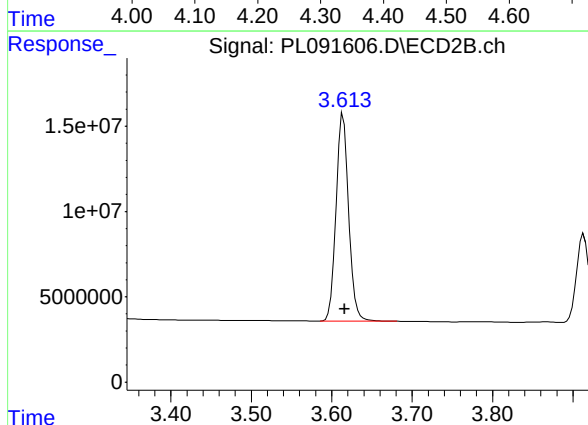
#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: -0.002 min  
Response: 108029493  
Conc: 52.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

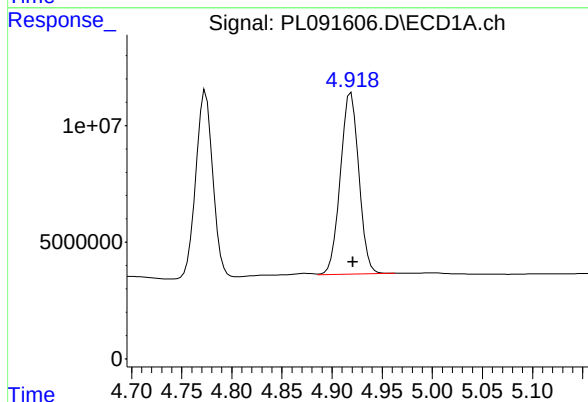
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



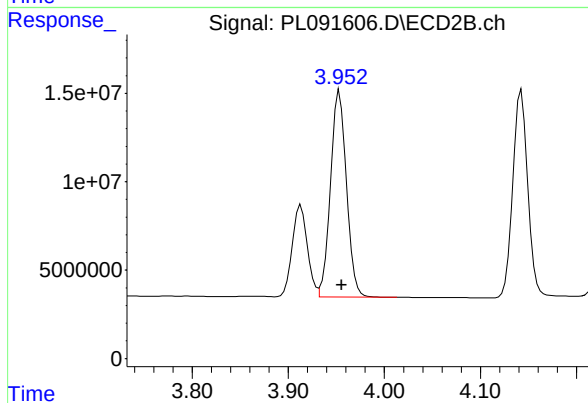
#3 gamma-BHC (Lindane)

R.T.: 3.614 min  
Delta R.T.: -0.002 min  
Response: 132710872  
Conc: 53.96 ng/ml



#4 Heptachlor

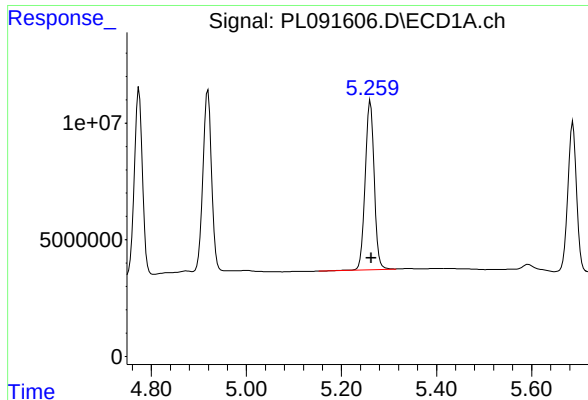
R.T.: 4.919 min  
Delta R.T.: -0.002 min  
Response: 99614893  
Conc: 53.18 ng/ml



#4 Heptachlor

R.T.: 3.953 min  
Delta R.T.: -0.002 min  
Response: 133255952  
Conc: 55.33 ng/ml





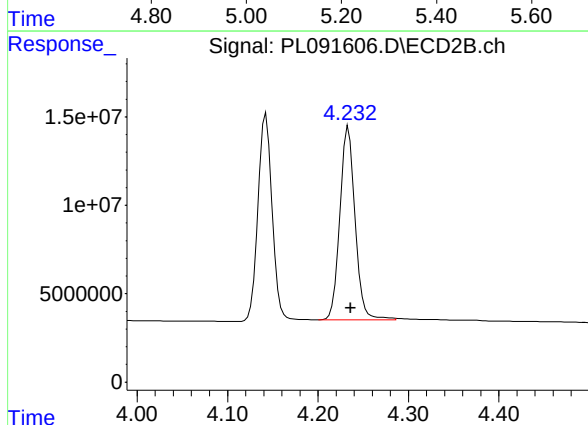
#5 Aldrin

R.T.: 5.261 min  
Delta R.T.: -0.002 min  
Response: 95758181  
Conc: 51.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

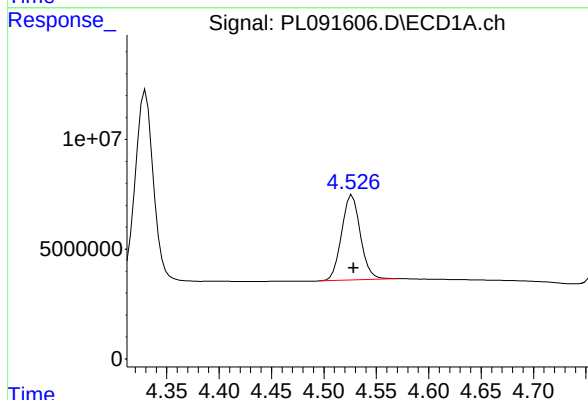
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



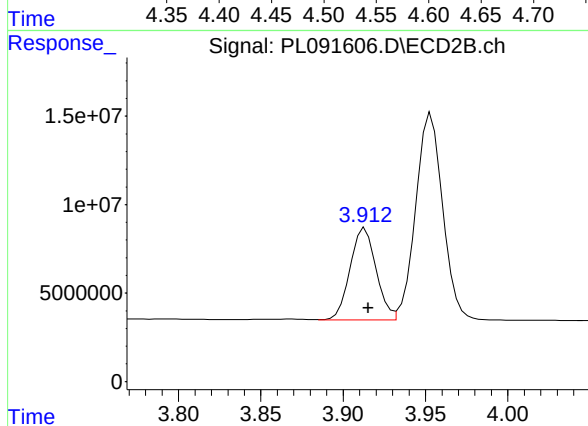
#5 Aldrin

R.T.: 4.232 min  
Delta R.T.: -0.004 min  
Response: 128187858  
Conc: 56.19 ng/ml



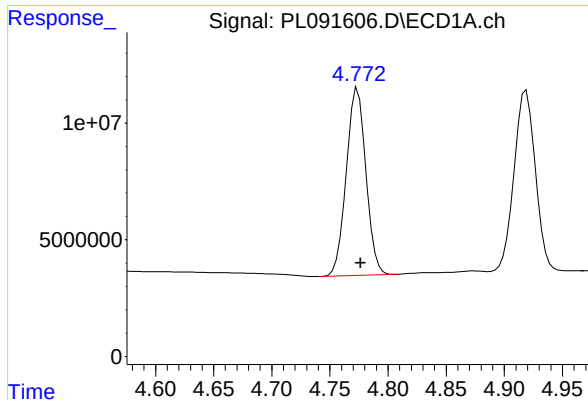
#6 beta-BHC

R.T.: 4.527 min  
Delta R.T.: -0.002 min  
Response: 48583758  
Conc: 53.39 ng/ml



#6 beta-BHC

R.T.: 3.913 min  
Delta R.T.: -0.002 min  
Response: 57010583  
Conc: 52.19 ng/ml



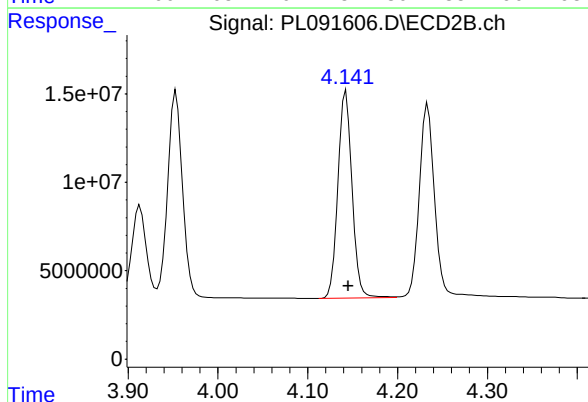
#7 delta-BHC

R.T.: 4.774 min  
Delta R.T.: -0.002 min  
Response: 93810121  
Conc: 48.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

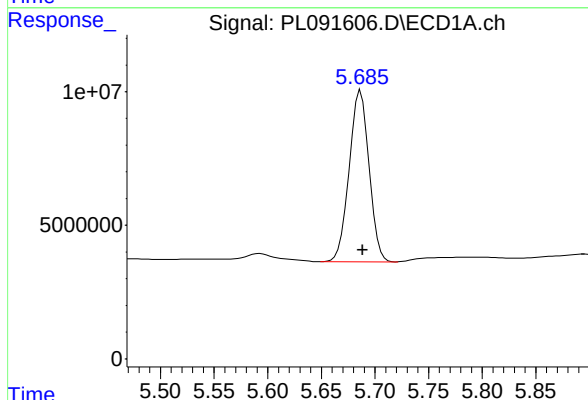
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



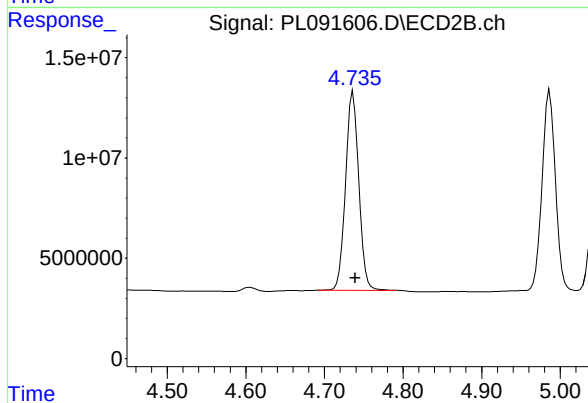
#7 delta-BHC

R.T.: 4.143 min  
Delta R.T.: -0.002 min  
Response: 128021039  
Conc: 55.64 ng/ml



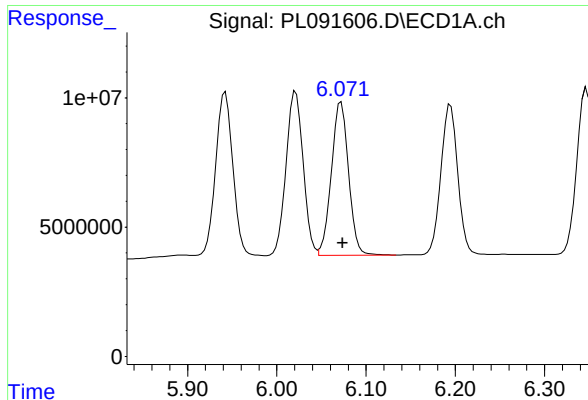
#8 Heptachlor epoxide

R.T.: 5.687 min  
Delta R.T.: -0.002 min  
Response: 82743985  
Conc: 49.59 ng/ml



#8 Heptachlor epoxide

R.T.: 4.735 min  
Delta R.T.: -0.004 min  
Response: 116344935  
Conc: 55.20 ng/ml m



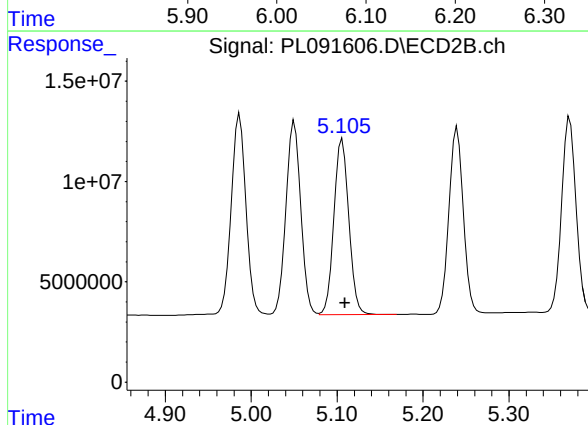
## #9 Endosulfan I

R.T.: 6.072 min  
Delta R.T.: -0.002 min  
Response: 79506093  
Conc: 51.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

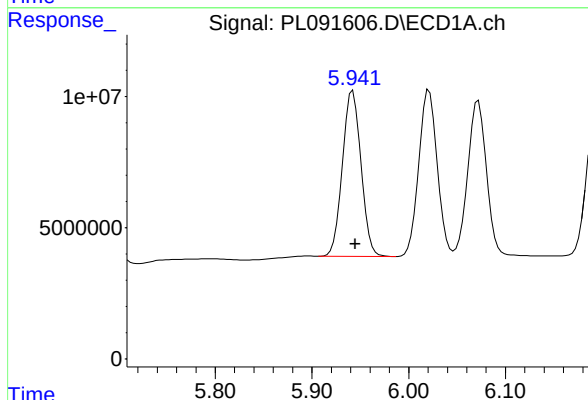
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



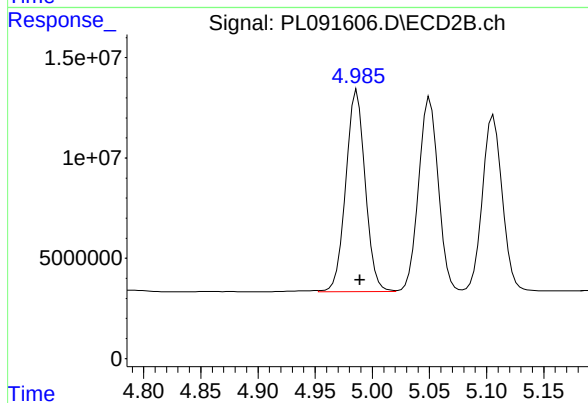
## #9 Endosulfan I

R.T.: 5.106 min  
Delta R.T.: -0.003 min  
Response: 106176221  
Conc: 55.03 ng/ml



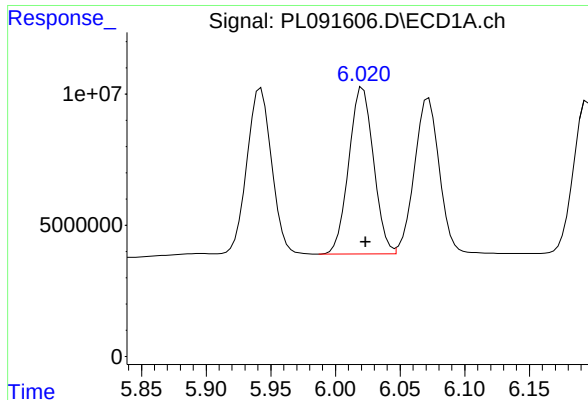
## #10 gamma-Chlordane

R.T.: 5.942 min  
Delta R.T.: -0.003 min  
Response: 84150350  
Conc: 50.37 ng/ml



## #10 gamma-Chlordane

R.T.: 4.985 min  
Delta R.T.: -0.004 min  
Response: 119329693  
Conc: 54.10 ng/ml m



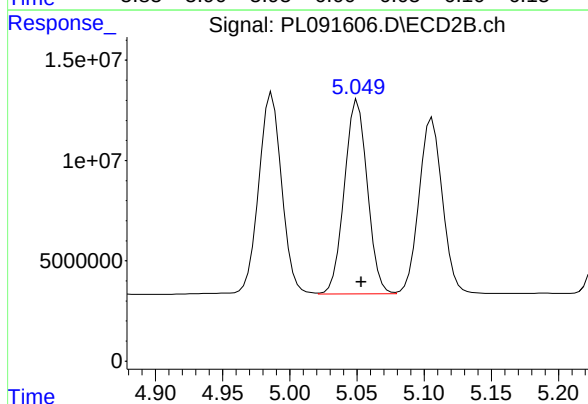
#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: -0.002 min  
Response: 84386013  
Conc: 52.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

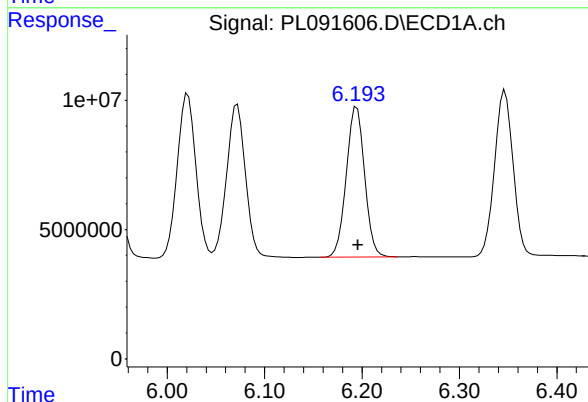
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



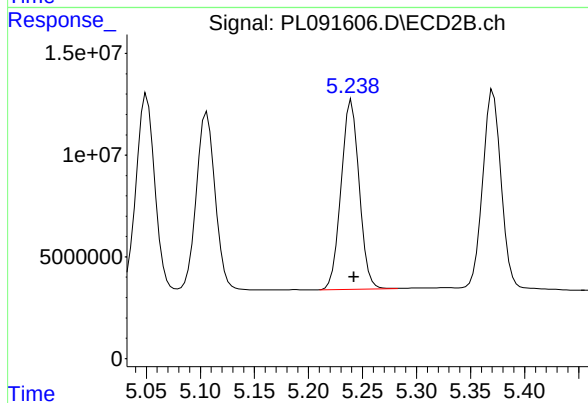
#11 alpha-Chlordane

R.T.: 5.050 min  
Delta R.T.: -0.003 min  
Response: 115599209  
Conc: 55.87 ng/ml



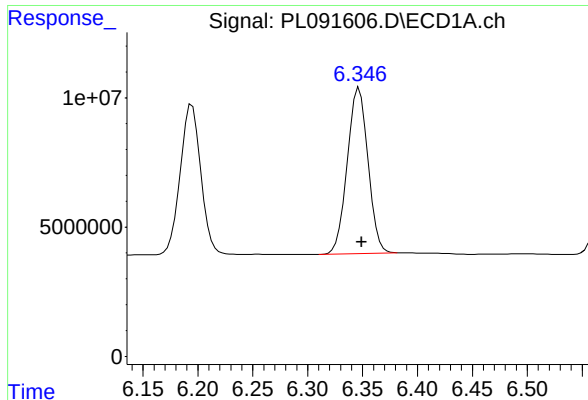
#12 4,4'-DDE

R.T.: 6.195 min  
Delta R.T.: -0.002 min  
Response: 75867910  
Conc: 52.01 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min  
Delta R.T.: -0.002 min  
Response: 108224442  
Conc: 57.06 ng/ml



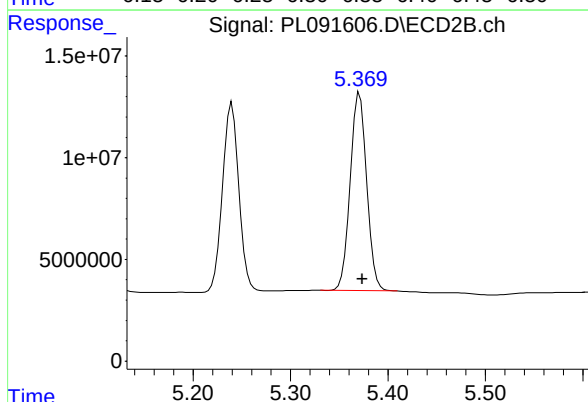
#13 Dieldrin

R.T.: 6.347 min  
Delta R.T.: -0.002 min  
Response: 84344962  
Conc: 51.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

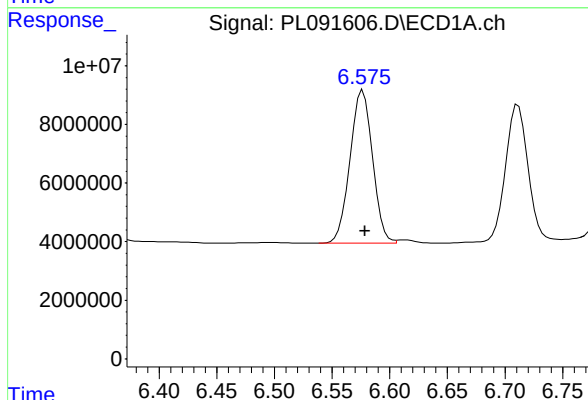
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



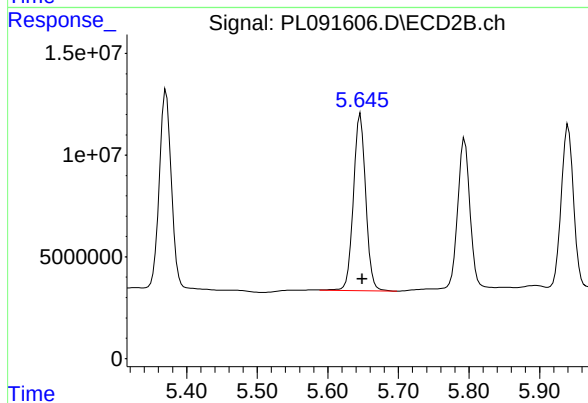
#13 Dieldrin

R.T.: 5.371 min  
Delta R.T.: -0.003 min  
Response: 114152408  
Conc: 55.54 ng/ml



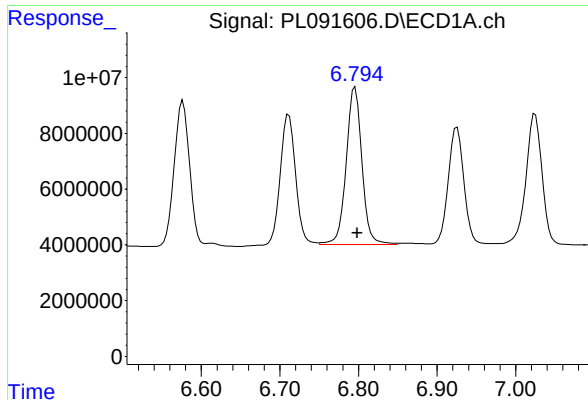
#14 Endrin

R.T.: 6.575 min  
Delta R.T.: -0.003 min  
Response: 71132222  
Conc: 53.50 ng/ml m



#14 Endrin

R.T.: 5.645 min  
Delta R.T.: -0.004 min  
Response: 105044085  
Conc: 55.66 ng/ml m



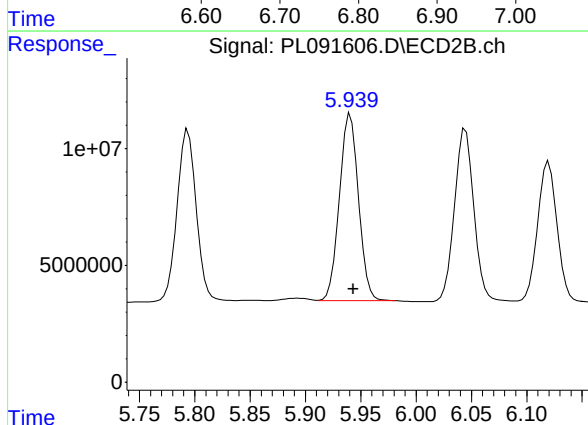
#15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: -0.004 min  
Response: 78713024  
Conc: 50.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

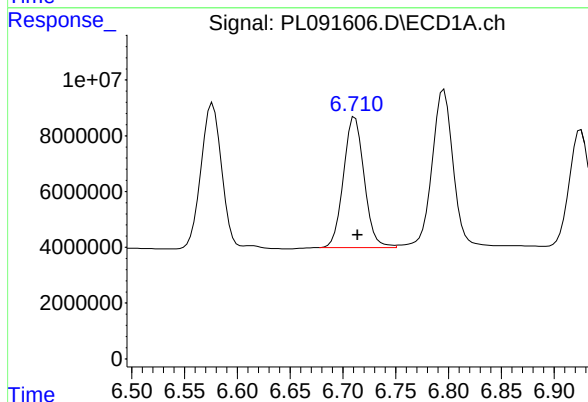
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



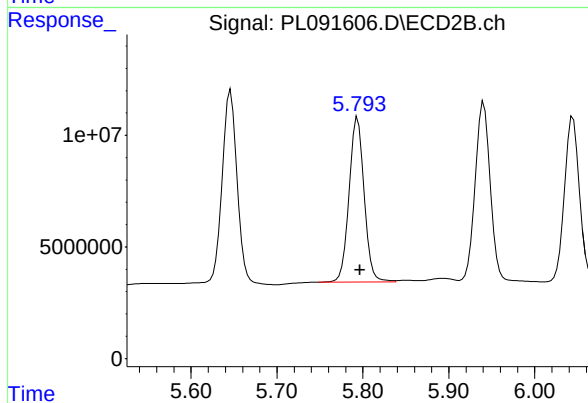
#15 Endosulfan II

R.T.: 5.941 min  
Delta R.T.: -0.003 min  
Response: 96130488  
Conc: 54.34 ng/ml



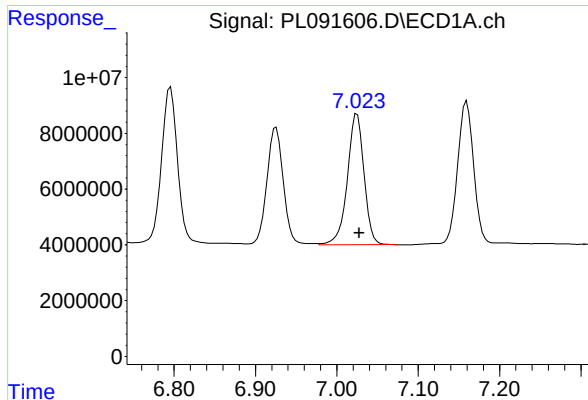
#16 4,4'-DDD

R.T.: 6.711 min  
Delta R.T.: -0.003 min  
Response: 63860334  
Conc: 50.38 ng/ml



#16 4,4'-DDD

R.T.: 5.793 min  
Delta R.T.: -0.004 min  
Response: 89628199  
Conc: 53.49 ng/ml m



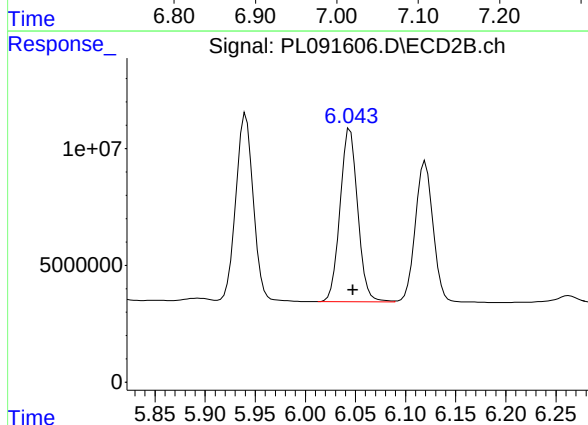
#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: -0.003 min  
Response: 67122566  
Conc: 51.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

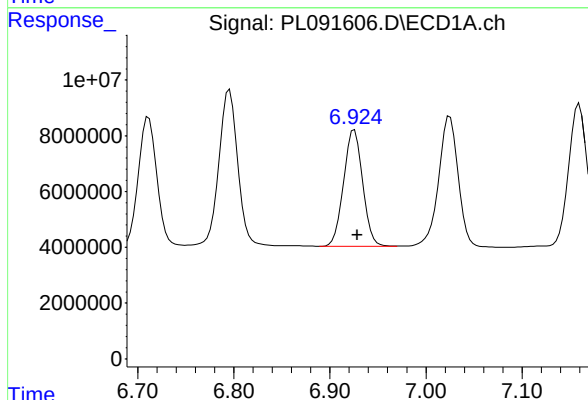
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



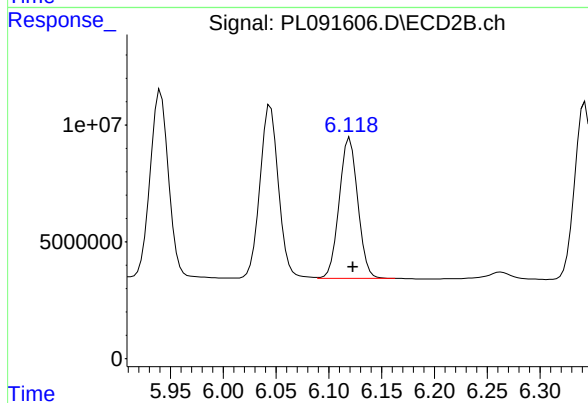
#17 4,4'-DDT

R.T.: 6.045 min  
Delta R.T.: -0.003 min  
Response: 90625147  
Conc: 56.40 ng/ml



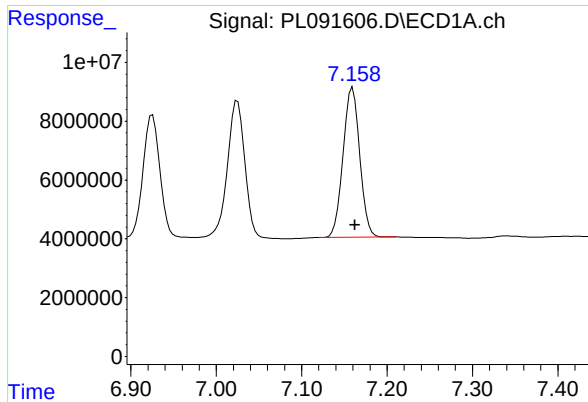
#18 Endrin aldehyde

R.T.: 6.924 min  
Delta R.T.: -0.005 min  
Response: 57511873  
Conc: 48.41 ng/ml m



#18 Endrin aldehyde

R.T.: 6.120 min  
Delta R.T.: -0.003 min  
Response: 73688510  
Conc: 53.90 ng/ml



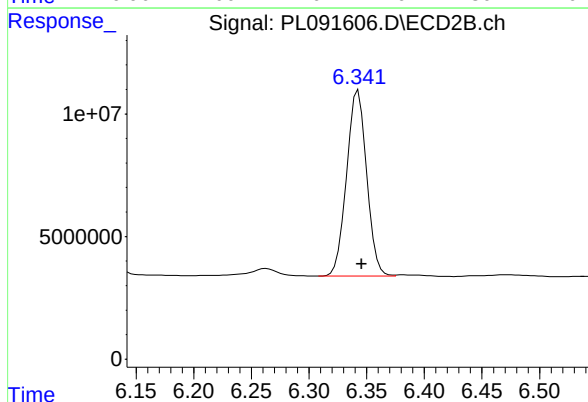
## #19 Endosulfan Sulfate

R.T.: 7.160 min  
Delta R.T.: -0.003 min  
Response: 69042452  
Conc: 49.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

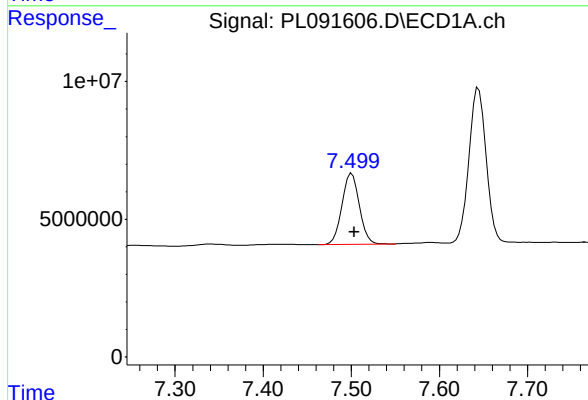
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



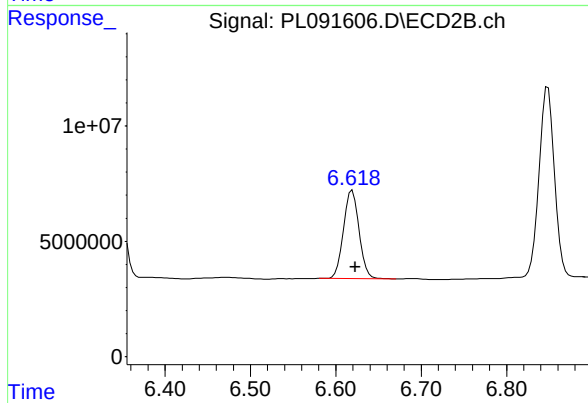
## #19 Endosulfan Sulfate

R.T.: 6.343 min  
Delta R.T.: -0.003 min  
Response: 91293036  
Conc: 53.20 ng/ml



## #20 Methoxychlor

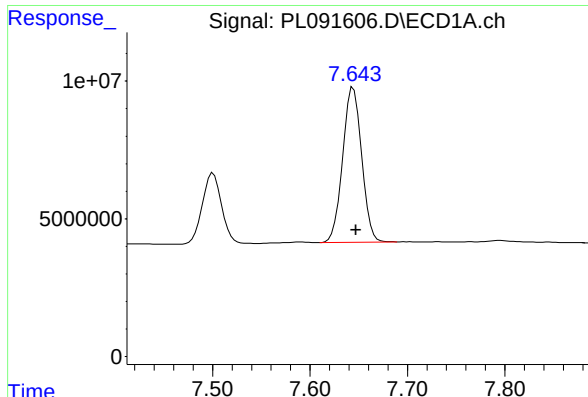
R.T.: 7.501 min  
Delta R.T.: -0.003 min  
Response: 35429713  
Conc: 52.37 ng/ml



## #20 Methoxychlor

R.T.: 6.619 min  
Delta R.T.: -0.004 min  
Response: 48536467  
Conc: 54.80 ng/ml





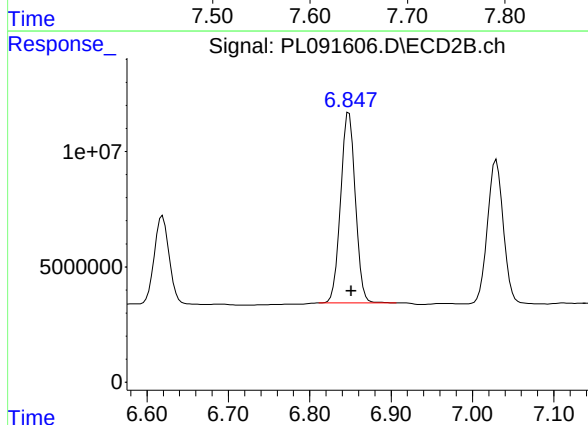
#21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: -0.003 min  
Response: 76213040  
Conc: 49.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

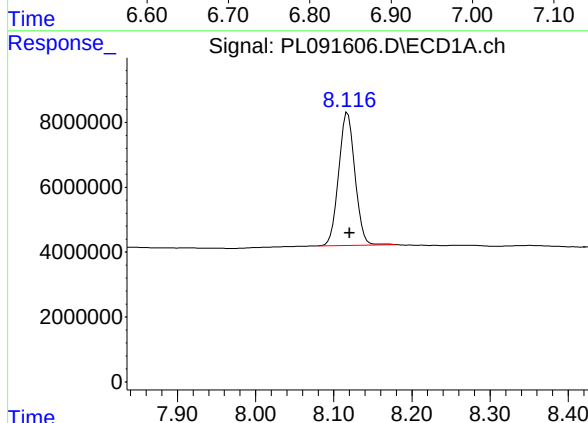
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



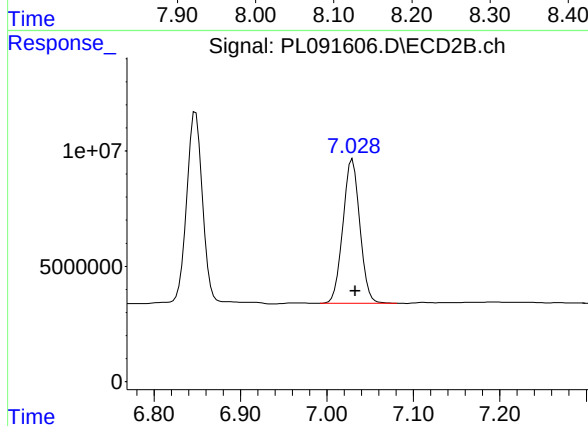
#21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: -0.003 min  
Response: 103968363  
Conc: 51.69 ng/ml



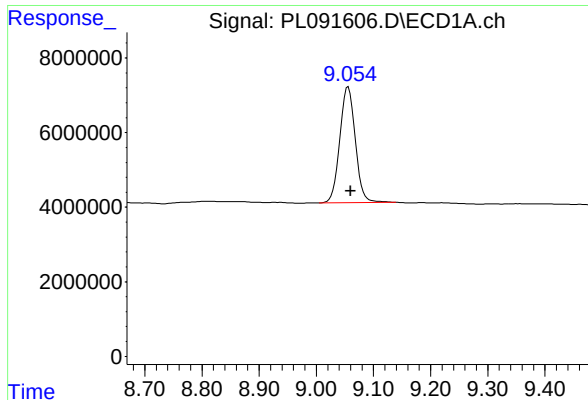
#22 Mirex

R.T.: 8.118 min  
Delta R.T.: -0.003 min  
Response: 59315076  
Conc: 49.53 ng/ml



#22 Mirex

R.T.: 7.029 min  
Delta R.T.: -0.003 min  
Response: 84691469  
Conc: 47.76 ng/ml



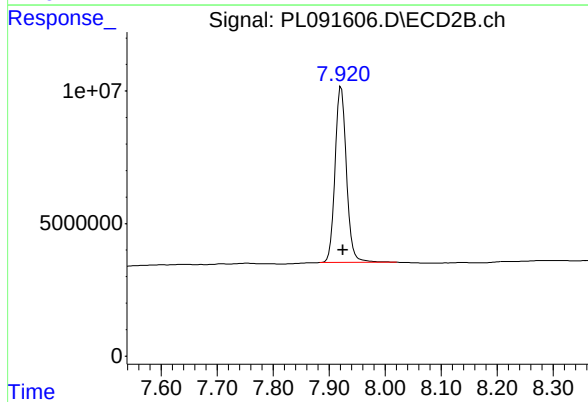
#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: -0.005 min  
Response: 58586381  
Conc: 48.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.921 min  
Delta R.T.: -0.003 min  
Response: 93994687  
Conc: 50.90 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 17:10 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 4.00      | 3.90      | 4.10 | 0.00       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.77       | 4.78      | 4.68      | 4.88 | 0.01       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.69      | 5.59      | 5.79 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.20      | 6.10      | 6.30 | 0.01       |
| Endrin               | 6.58       | 6.58      | 6.48      | 6.68 | 0.00       |
| Endosulfan II        | 6.80       | 6.80      | 6.70      | 6.90 | 0.00       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.03      | 6.93      | 7.13 | 0.00       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.64       | 7.65      | 7.55      | 7.75 | 0.01       |
| Endrin aldehyde      | 6.93       | 6.93      | 6.83      | 7.03 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.95      | 5.85      | 6.05 | 0.01       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 17:10 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.93      | 7.83      | 8.03 | 0.01       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.29      | 3.19      | 3.39 | 0.01       |
| beta-BHC             | 3.91       | 3.92      | 3.82      | 4.02 | 0.01       |
| delta-BHC            | 4.14       | 4.15      | 4.05      | 4.25 | 0.01       |
| gamma-BHC (Lindane)  | 3.61       | 3.62      | 3.52      | 3.72 | 0.01       |
| Heptachlor           | 3.95       | 3.96      | 3.86      | 4.06 | 0.01       |
| Aldrin               | 4.23       | 4.24      | 4.14      | 4.34 | 0.01       |
| Heptachlor epoxide   | 4.74       | 4.74      | 4.64      | 4.84 | 0.00       |
| Endosulfan I         | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Endrin               | 5.65       | 5.65      | 5.55      | 5.75 | 0.00       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.80      | 5.70      | 5.90 | 0.01       |
| Endosulfan sulfate   | 6.34       | 6.35      | 6.25      | 6.45 | 0.01       |
| 4,4'-DDT             | 6.05       | 6.05      | 5.95      | 6.15 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL02 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091624.D Time Analyzed: 17:10

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.711 | 6.614     | 6.814 | 54.270             | 50.000            | 8.5  |
| 4,4'-DDE             | 6.194 | 6.096     | 6.296 | 56.040             | 50.000            | 12.1 |
| 4,4'-DDT             | 7.025 | 6.928     | 7.128 | 56.550             | 50.000            | 13.1 |
| Aldrin               | 5.259 | 5.162     | 5.362 | 54.240             | 50.000            | 8.5  |
| alpha-BHC            | 3.998 | 3.899     | 4.099 | 55.840             | 50.000            | 11.7 |
| alpha-Chlordane      | 6.022 | 5.923     | 6.123 | 56.390             | 50.000            | 12.8 |
| beta-BHC             | 4.526 | 4.428     | 4.628 | 55.500             | 50.000            | 11.0 |
| Decachlorobiphenyl   | 9.055 | 8.960     | 9.160 | 52.520             | 50.000            | 5.0  |
| delta-BHC            | 4.774 | 4.676     | 4.876 | 52.240             | 50.000            | 4.5  |
| Dieldrin             | 6.347 | 6.249     | 6.449 | 55.890             | 50.000            | 11.8 |
| Endosulfan I         | 6.072 | 5.974     | 6.174 | 55.220             | 50.000            | 10.4 |
| Endosulfan II        | 6.795 | 6.698     | 6.898 | 53.500             | 50.000            | 7.0  |
| Endosulfan sulfate   | 7.160 | 7.062     | 7.262 | 53.160             | 50.000            | 6.3  |
| Endrin               | 6.576 | 6.479     | 6.679 | 55.920             | 50.000            | 11.8 |
| Endrin aldehyde      | 6.925 | 6.829     | 7.029 | 53.380             | 50.000            | 6.8  |
| Endrin ketone        | 7.644 | 7.547     | 7.747 | 53.400             | 50.000            | 6.8  |
| gamma-BHC (Lindane)  | 4.330 | 4.232     | 4.432 | 55.490             | 50.000            | 11.0 |
| gamma-Chlordane      | 5.942 | 5.845     | 6.045 | 54.240             | 50.000            | 8.5  |
| Heptachlor           | 4.917 | 4.821     | 5.021 | 56.580             | 50.000            | 13.2 |
| Heptachlor epoxide   | 5.686 | 5.589     | 5.789 | 54.060             | 50.000            | 8.1  |
| Methoxychlor         | 7.500 | 7.403     | 7.603 | 57.440             | 50.000            | 14.9 |
| Tetrachloro-m-xylene | 3.542 | 3.444     | 3.644 | 55.290             | 50.000            | 10.6 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL02 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091624.D Time Analyzed: 17:10

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.794 | 5.697     | 5.897 | 53.210             | 50.000            | 6.4  |
| 4,4'-DDE             | 5.239 | 5.142     | 5.342 | 55.970             | 50.000            | 11.9 |
| 4,4'-DDT             | 6.045 | 5.947     | 6.147 | 57.030             | 50.000            | 14.1 |
| Aldrin               | 4.234 | 4.136     | 4.336 | 55.980             | 50.000            | 12.0 |
| alpha-BHC            | 3.284 | 3.186     | 3.386 | 54.630             | 50.000            | 9.3  |
| alpha-Chlordane      | 5.051 | 4.953     | 5.153 | 54.340             | 50.000            | 8.7  |
| beta-BHC             | 3.913 | 3.815     | 4.015 | 52.160             | 50.000            | 4.3  |
| Decachlorobiphenyl   | 7.921 | 7.825     | 8.025 | 52.670             | 50.000            | 5.3  |
| delta-BHC            | 4.143 | 4.045     | 4.245 | 55.480             | 50.000            | 11.0 |
| Dieldrin             | 5.371 | 5.274     | 5.474 | 54.390             | 50.000            | 8.8  |
| Endosulfan I         | 5.107 | 5.009     | 5.209 | 53.700             | 50.000            | 7.4  |
| Endosulfan II        | 5.940 | 5.843     | 6.043 | 54.250             | 50.000            | 8.5  |
| Endosulfan sulfate   | 6.342 | 6.246     | 6.446 | 53.290             | 50.000            | 6.6  |
| Endrin               | 5.646 | 5.549     | 5.749 | 54.510             | 50.000            | 9.0  |
| Endrin aldehyde      | 6.119 | 6.023     | 6.223 | 53.920             | 50.000            | 7.8  |
| Endrin ketone        | 6.848 | 6.751     | 6.951 | 52.380             | 50.000            | 4.8  |
| gamma-BHC (Lindane)  | 3.614 | 3.516     | 3.716 | 54.350             | 50.000            | 8.7  |
| gamma-Chlordane      | 4.985 | 4.889     | 5.089 | 52.360             | 50.000            | 4.7  |
| Heptachlor           | 3.954 | 3.856     | 4.056 | 55.690             | 50.000            | 11.4 |
| Heptachlor epoxide   | 4.736 | 4.639     | 4.839 | 53.860             | 50.000            | 7.7  |
| Methoxychlor         | 6.620 | 6.523     | 6.723 | 56.140             | 50.000            | 12.3 |
| Tetrachloro-m-xylene | 2.780 | 2.683     | 2.883 | 53.540             | 50.000            | 7.1  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
 Data File : PL091624.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Sep 2024 17:10  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/13/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 12 09:42:13 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.780 | 86177185 | 100.1E6  | 55.292  | 53.542  |
| 28) SA Decachlor...         | 9.055 | 7.921 | 63833532 | 97264308 | 52.524  | 52.674  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.998 | 3.284 | 120.6E6  | 145.3E6  | 55.844  | 54.628  |
| 3) MA gamma-BHC...          | 4.330 | 3.614 | 114.1E6  | 133.7E6  | 55.487  | 54.348  |
| 4) MA Heptachlor            | 4.917 | 3.954 | 106.0E6  | 134.1E6  | 56.577m | 55.691  |
| 5) MB Aldrin                | 5.259 | 4.234 | 101.0E6  | 127.7E6  | 54.241m | 55.984  |
| 6) B beta-BHC               | 4.526 | 3.913 | 50504411 | 56981620 | 55.498  | 52.159  |
| 7) B delta-BHC              | 4.774 | 4.143 | 100.4E6  | 127.7E6  | 52.244  | 55.484  |
| 8) B Heptachlo...           | 5.686 | 4.736 | 90213094 | 113.5E6  | 54.061  | 53.856  |
| 9) A Endosulfan I           | 6.072 | 5.107 | 86031111 | 103.6E6  | 55.215  | 53.702  |
| 10) B gamma-Chl...          | 5.942 | 4.985 | 90614803 | 115.5E6  | 54.235  | 52.359m |
| 11) B alpha-Chl...          | 6.022 | 5.051 | 90887199 | 112.4E6  | 56.388  | 54.344  |
| 12) B 4,4'-DDE              | 6.194 | 5.239 | 81748204 | 106.2E6  | 56.044  | 55.968  |
| 13) MA Dieldrin             | 6.347 | 5.371 | 91195566 | 111.8E6  | 55.889  | 54.385  |
| 14) MA Endrin               | 6.576 | 5.646 | 74357682 | 102.9E6  | 55.921  | 54.505  |
| 15) B Endosulfa...          | 6.795 | 5.940 | 82927803 | 95971186 | 53.502  | 54.254  |
| 16) A 4,4'-DDD              | 6.711 | 5.794 | 68791567 | 89158697 | 54.271  | 53.205  |
| 17) MA 4,4'-DDT             | 7.025 | 6.045 | 74178589 | 91642559 | 56.549  | 57.035  |
| 18) B Endrin al...          | 6.925 | 6.119 | 63425974 | 73712466 | 53.383  | 53.921  |
| 19) B Endosulfa...          | 7.160 | 6.342 | 74228906 | 91456800 | 53.158  | 53.293  |
| 20) A Methoxychlor          | 7.500 | 6.620 | 38858538 | 49725686 | 57.443  | 56.139  |
| 21) B Endrin ke...          | 7.644 | 6.848 | 82578774 | 105.4E6  | 53.403  | 52.379  |
| 22) Mirex                   | 8.118 | 7.029 | 64456241 | 87508757 | 53.828  | 49.350  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
Data File : PL091624.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 17:10  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDCCC050

## Manual Integrations

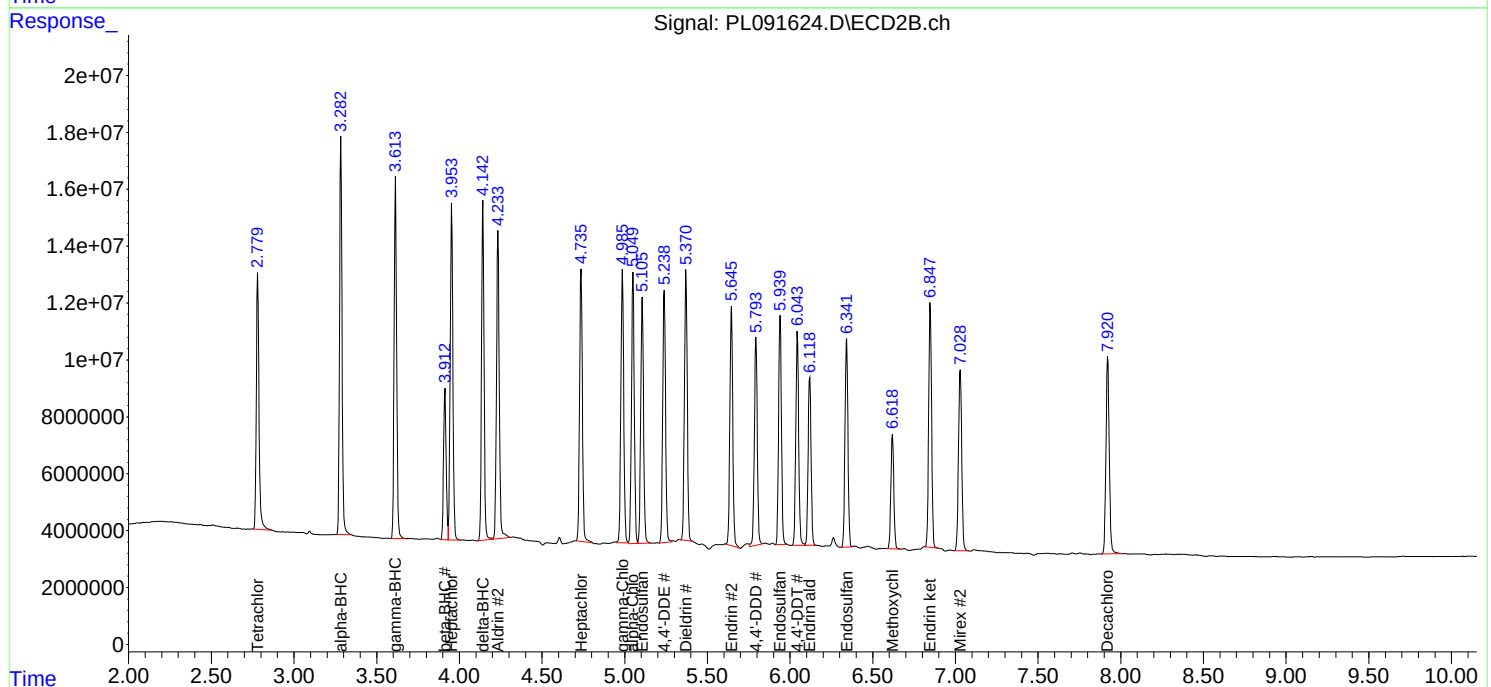
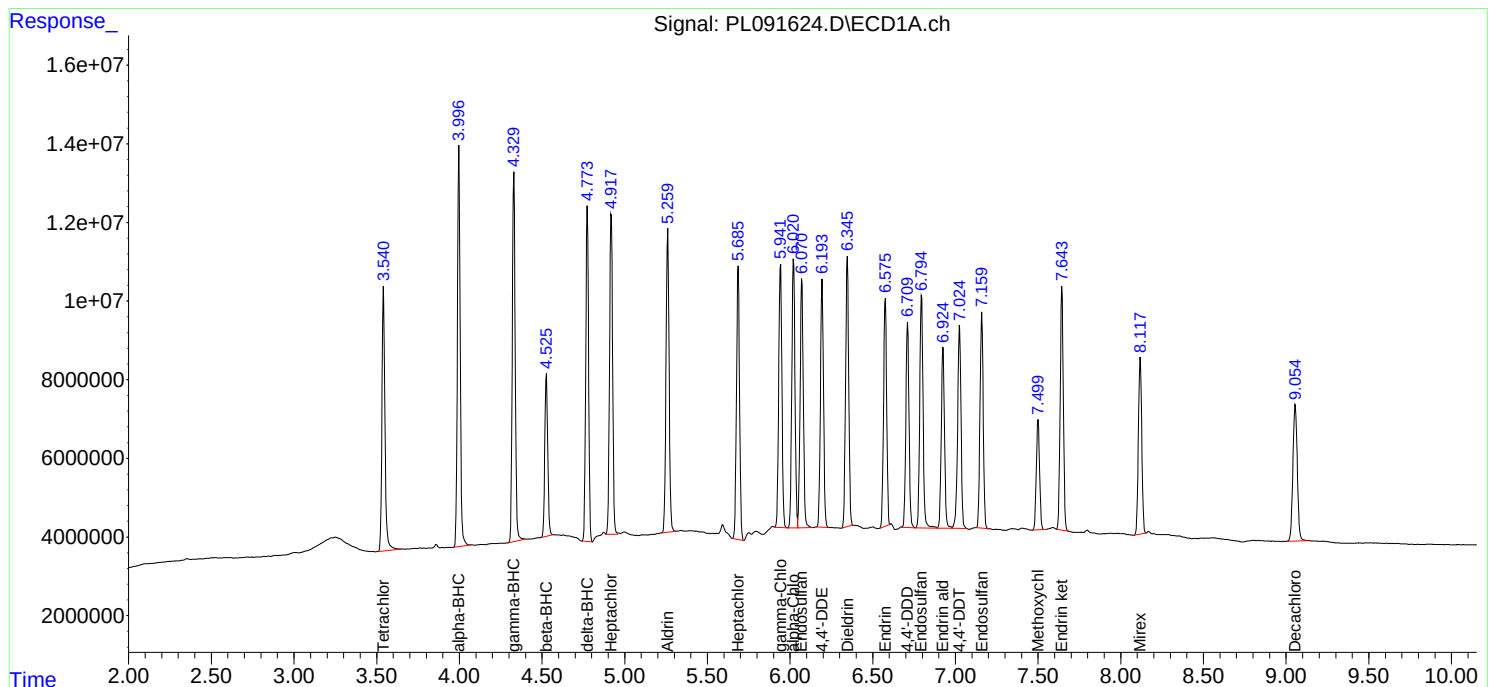
APPROVED

Reviewed By :Abdul Mirza 09/12/2024

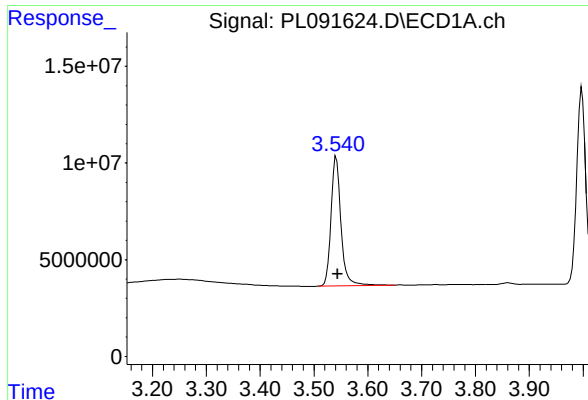
Supervised By :Ankita Jodhani 09/13/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 12 09:42:13 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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







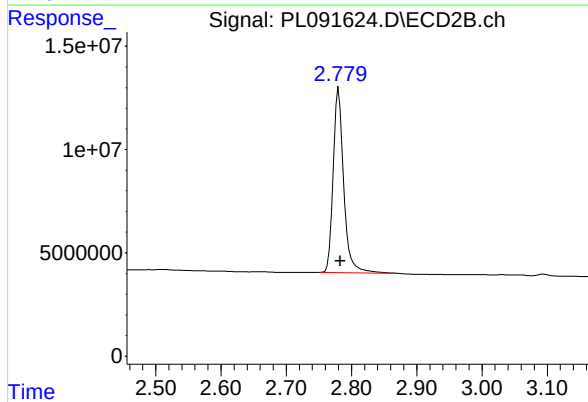
## #1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 86177185  
Conc: 55.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

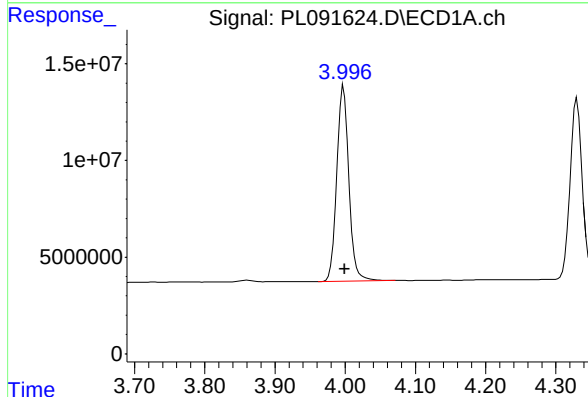
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/13/2024



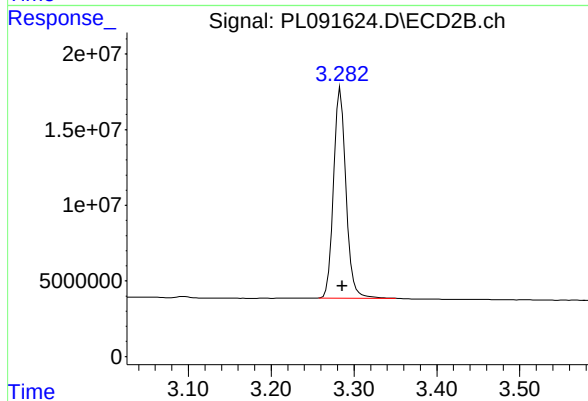
## #1 Tetrachloro-m-xylene

R.T.: 2.780 min  
Delta R.T.: -0.002 min  
Response: 100138718  
Conc: 53.54 ng/ml



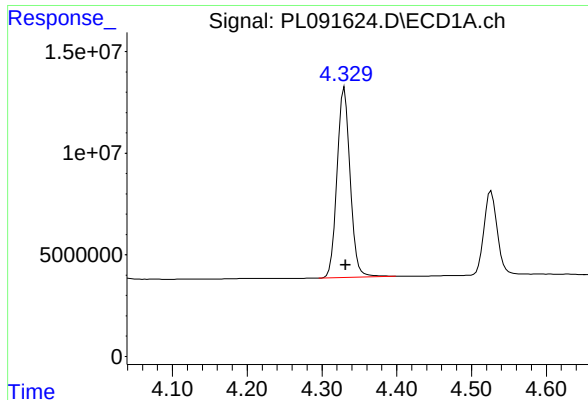
## #2 alpha-BHC

R.T.: 3.998 min  
Delta R.T.: -0.002 min  
Response: 120619464  
Conc: 55.84 ng/ml



## #2 alpha-BHC

R.T.: 3.284 min  
Delta R.T.: -0.002 min  
Response: 145286301  
Conc: 54.63 ng/ml



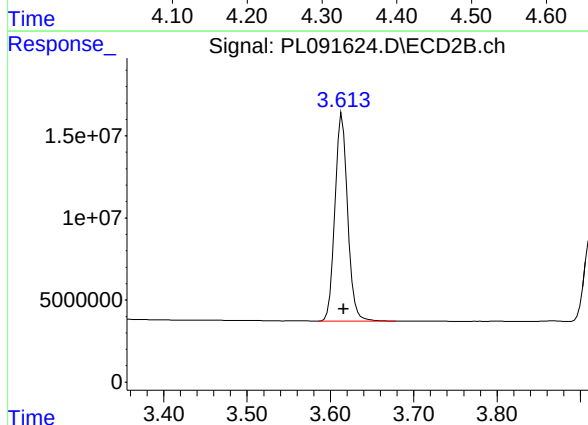
#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: -0.002 min  
Response: 114065253  
Conc: 55.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

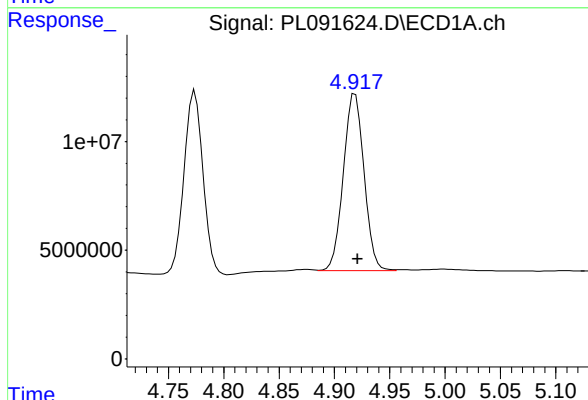
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/13/2024



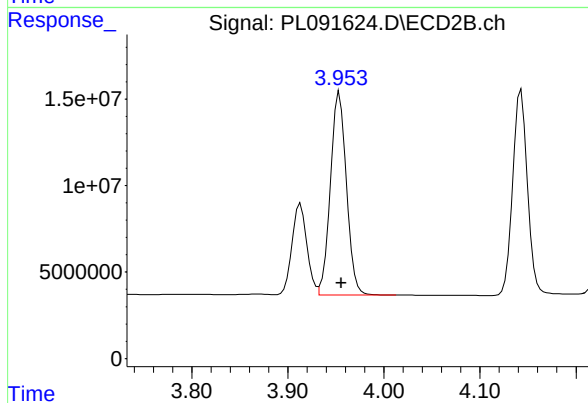
#3 gamma-BHC (Lindane)

R.T.: 3.614 min  
Delta R.T.: -0.002 min  
Response: 133666941  
Conc: 54.35 ng/ml



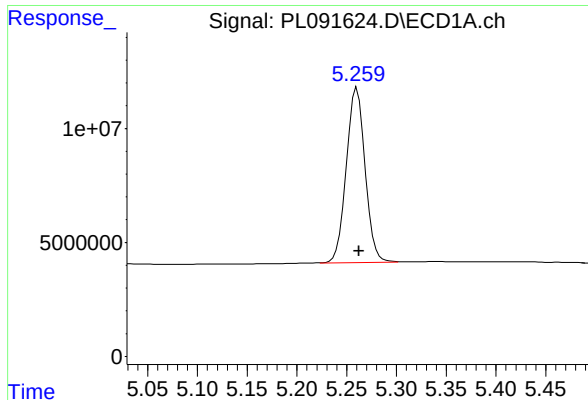
#4 Heptachlor

R.T.: 4.917 min  
Delta R.T.: -0.004 min  
Response: 105970172  
Conc: 56.58 ng/ml m



#4 Heptachlor

R.T.: 3.954 min  
Delta R.T.: -0.002 min  
Response: 134121193  
Conc: 55.69 ng/ml



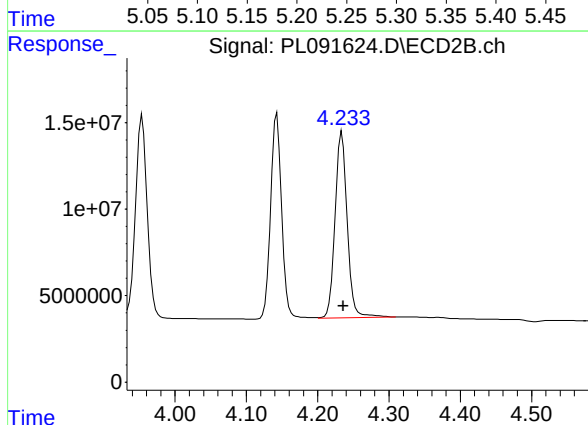
#5 Aldrin

R.T.: 5.259 min  
Delta R.T.: -0.003 min  
Response: 101028327  
Conc: 54.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

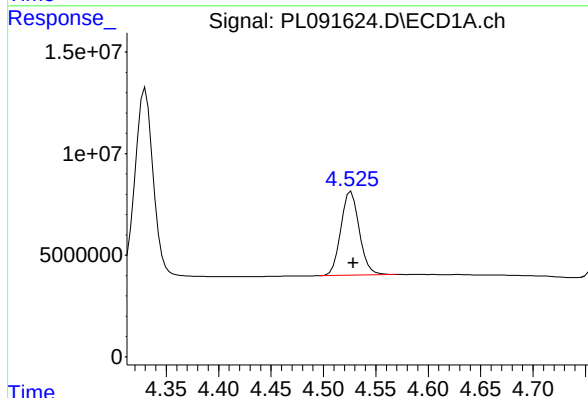
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/13/2024



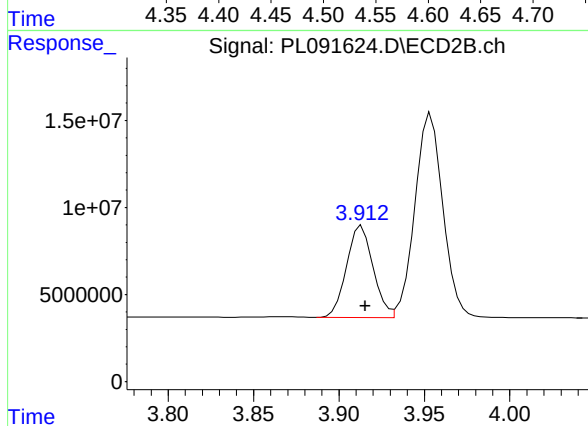
#5 Aldrin

R.T.: 4.234 min  
Delta R.T.: -0.002 min  
Response: 127728437  
Conc: 55.98 ng/ml



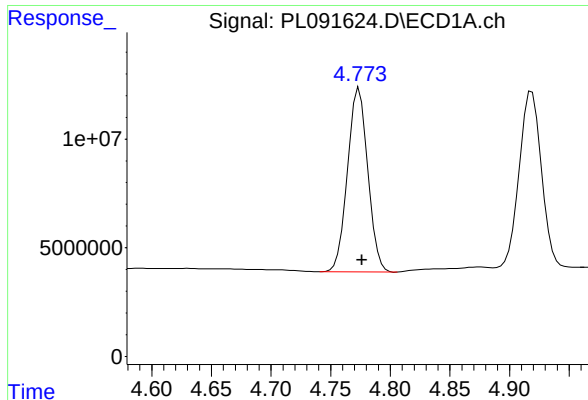
#6 beta-BHC

R.T.: 4.526 min  
Delta R.T.: -0.002 min  
Response: 50504411  
Conc: 55.50 ng/ml



#6 beta-BHC

R.T.: 3.913 min  
Delta R.T.: -0.002 min  
Response: 56981620  
Conc: 52.16 ng/ml



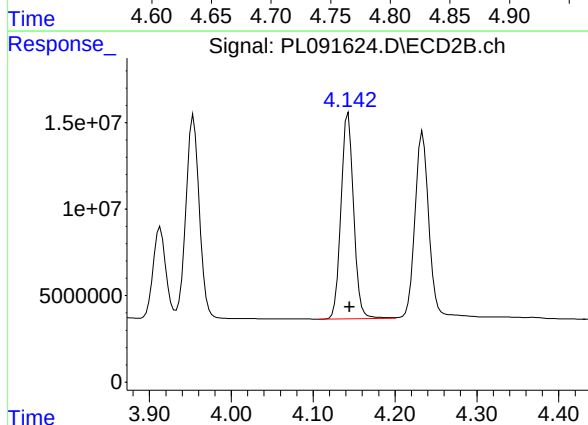
#7 delta-BHC

R.T.: 4.774 min  
Delta R.T.: -0.002 min  
Response: 100370250  
Conc: 52.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

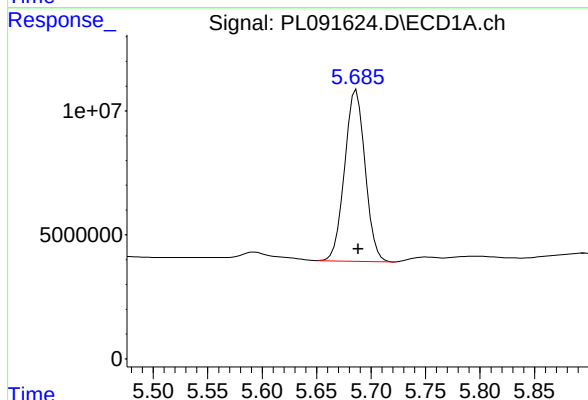
Manual Integrations  
**APPROVED**

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Supervised By :Ankita Jodhani 09/13/2024



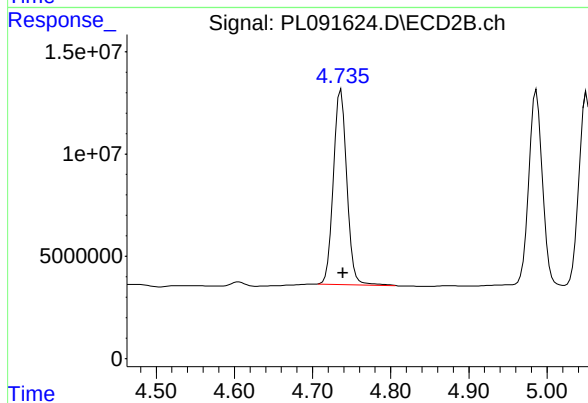
#7 delta-BHC

R.T.: 4.143 min  
Delta R.T.: -0.002 min  
Response: 127652859  
Conc: 55.48 ng/ml



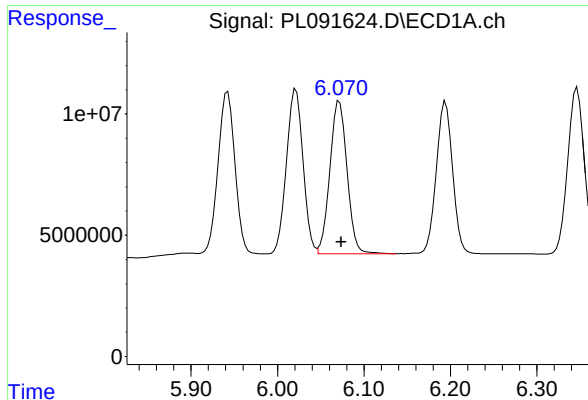
#8 Heptachlor epoxide

R.T.: 5.686 min  
Delta R.T.: -0.002 min  
Response: 90213094  
Conc: 54.06 ng/ml



#8 Heptachlor epoxide

R.T.: 4.736 min  
Delta R.T.: -0.003 min  
Response: 113512821  
Conc: 53.86 ng/ml



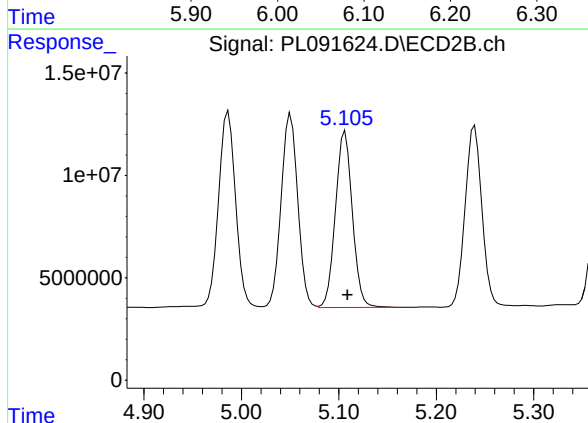
#9 Endosulfan I

R.T.: 6.072 min  
Delta R.T.: -0.002 min  
Response: 86031111  
Conc: 55.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

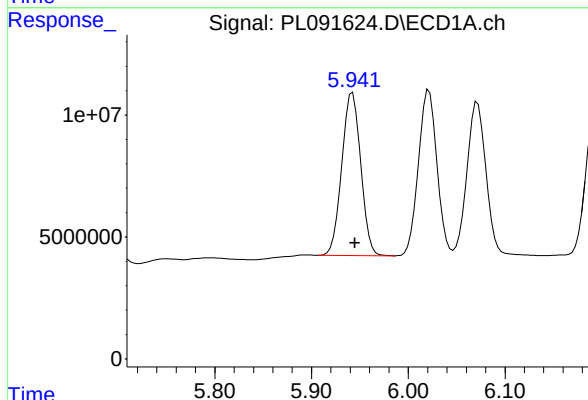
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 09/13/2024



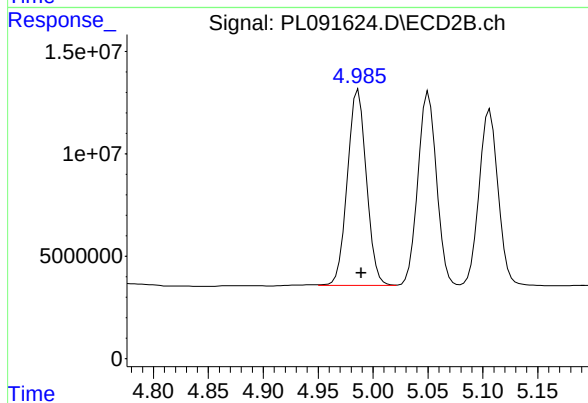
#9 Endosulfan I

R.T.: 5.107 min  
Delta R.T.: -0.003 min  
Response: 103609484  
Conc: 53.70 ng/ml



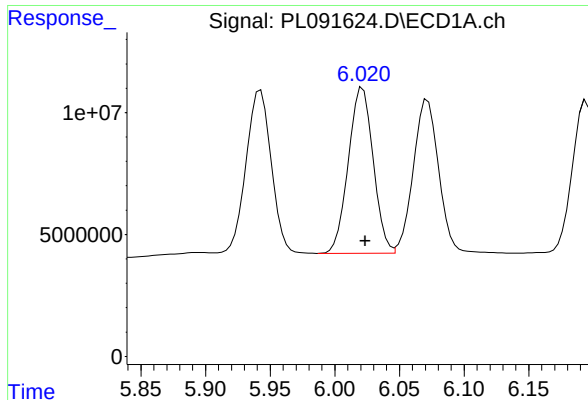
#10 gamma-Chlordane

R.T.: 5.942 min  
Delta R.T.: -0.002 min  
Response: 90614803  
Conc: 54.24 ng/ml



#10 gamma-Chlordane

R.T.: 4.985 min  
Delta R.T.: -0.004 min  
Response: 115487002  
Conc: 52.36 ng/ml m



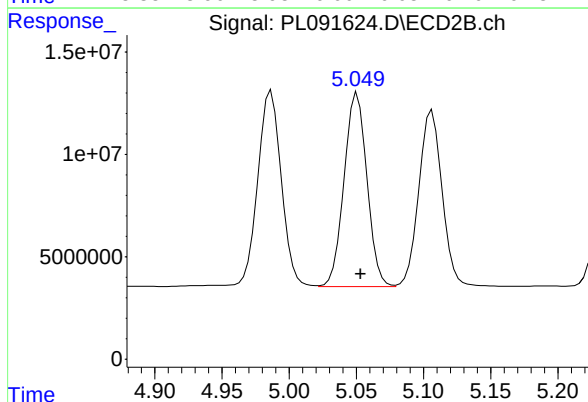
#11 alpha-Chlordane

R.T.: 6.022 min  
Delta R.T.: -0.002 min  
Response: 90887199  
Conc: 56.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

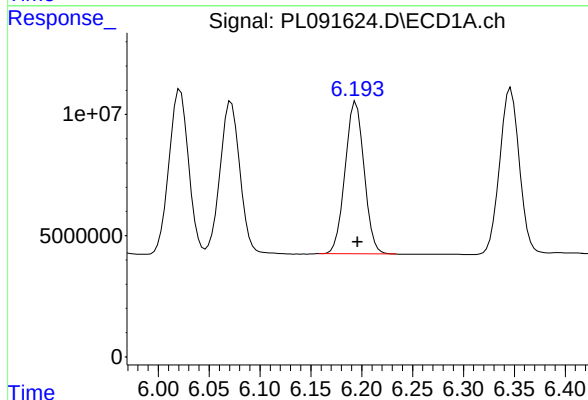
Manual Integrations  
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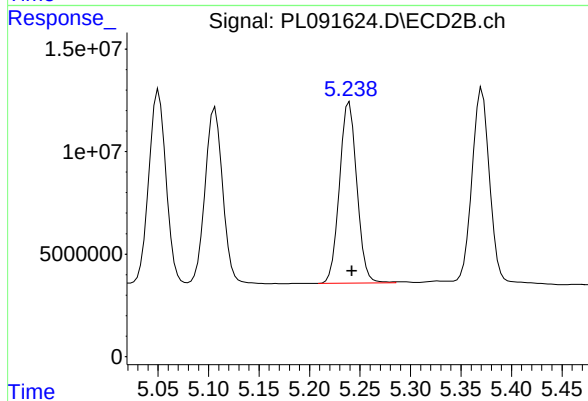
#11 alpha-Chlordane

R.T.: 5.051 min  
Delta R.T.: -0.003 min  
Response: 112438833  
Conc: 54.34 ng/ml



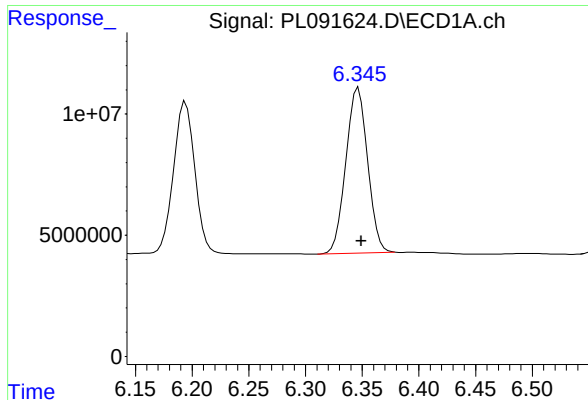
#12 4,4'-DDE

R.T.: 6.194 min  
Delta R.T.: -0.002 min  
Response: 81748204  
Conc: 56.04 ng/ml



#12 4,4'-DDE

R.T.: 5.239 min  
Delta R.T.: -0.003 min  
Response: 106154620  
Conc: 55.97 ng/ml



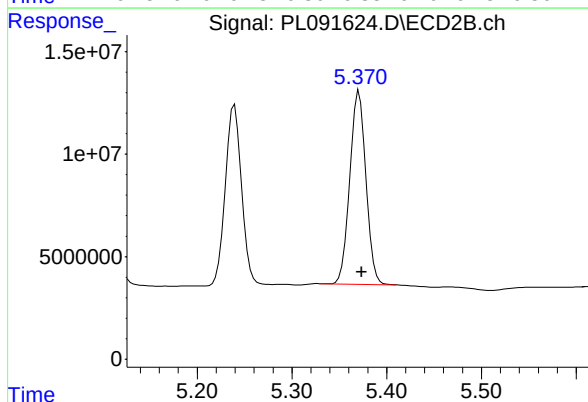
#13 Dieldrin

R.T.: 6.347 min  
Delta R.T.: -0.003 min  
Response: 91195566  
Conc: 55.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

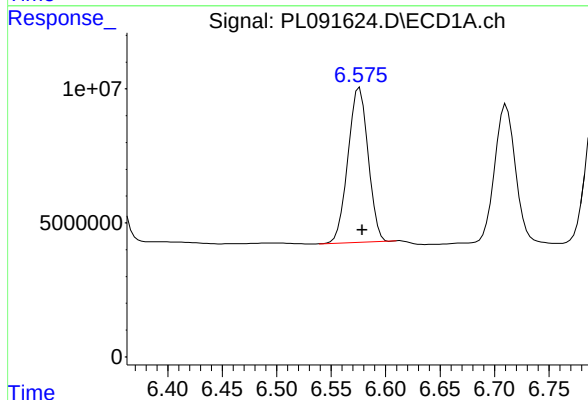
Manual Integrations  
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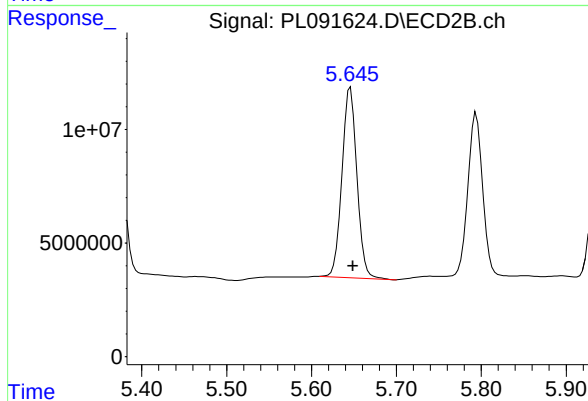
#13 Dieldrin

R.T.: 5.371 min  
Delta R.T.: -0.003 min  
Response: 111786047  
Conc: 54.39 ng/ml



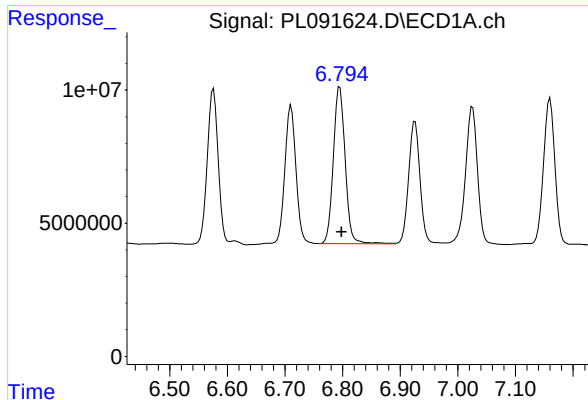
#14 Endrin

R.T.: 6.576 min  
Delta R.T.: -0.002 min  
Response: 74357682  
Conc: 55.92 ng/ml



#14 Endrin

R.T.: 5.646 min  
Delta R.T.: -0.003 min  
Response: 102861564  
Conc: 54.51 ng/ml



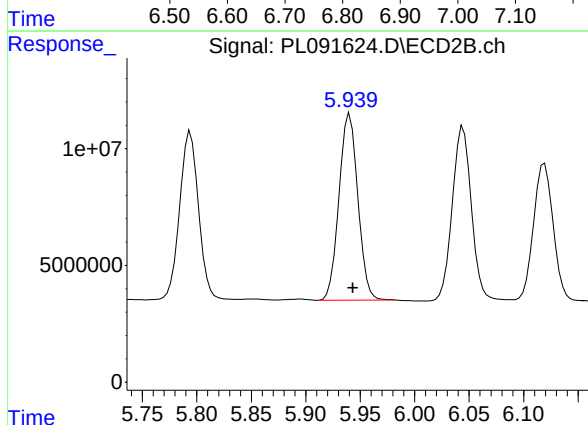
## #15 Endosulfan II

R.T.: 6.795 min  
Delta R.T.: -0.003 min  
Response: 82927803  
Conc: 53.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

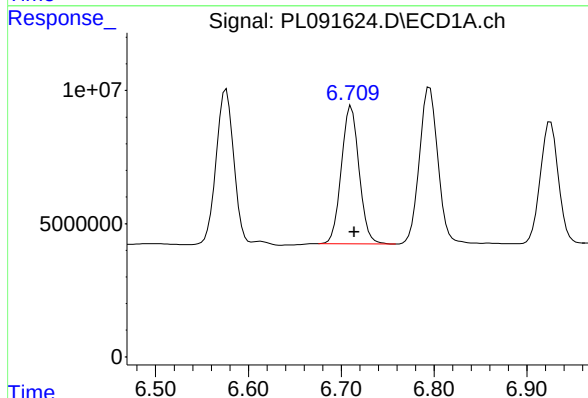
Manual Integrations  
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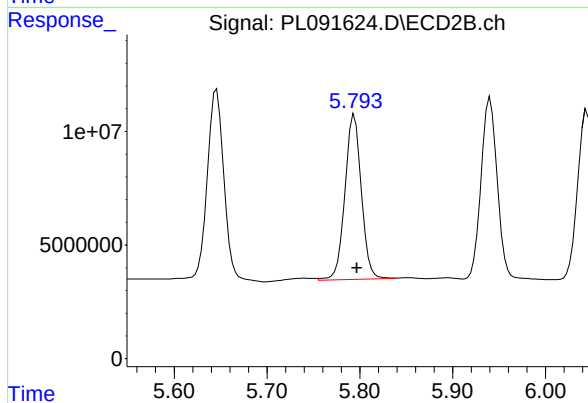
## #15 Endosulfan II

R.T.: 5.940 min  
Delta R.T.: -0.003 min  
Response: 95971186  
Conc: 54.25 ng/ml



## #16 4,4'-DDD

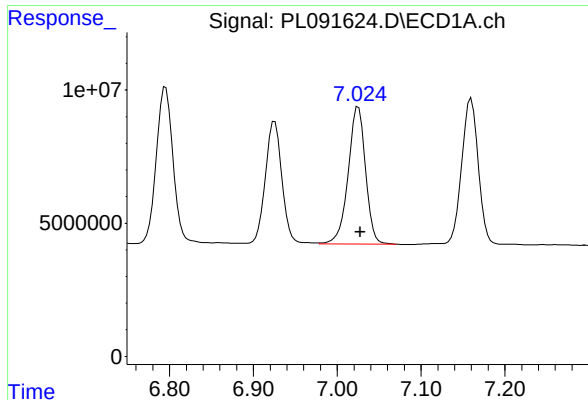
R.T.: 6.711 min  
Delta R.T.: -0.003 min  
Response: 68791567  
Conc: 54.27 ng/ml



## #16 4,4'-DDD

R.T.: 5.794 min  
Delta R.T.: -0.003 min  
Response: 89158697  
Conc: 53.21 ng/ml





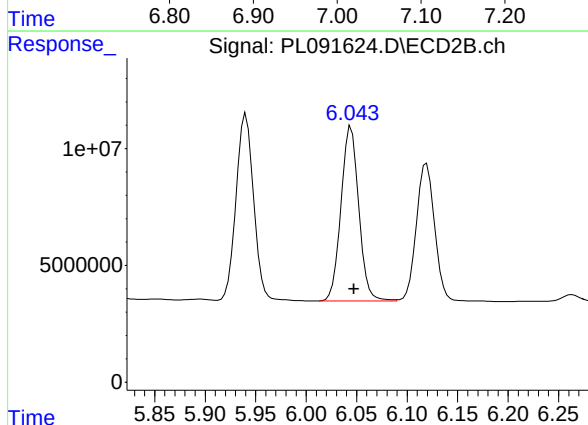
#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: -0.002 min  
Response: 74178589  
Conc: 56.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

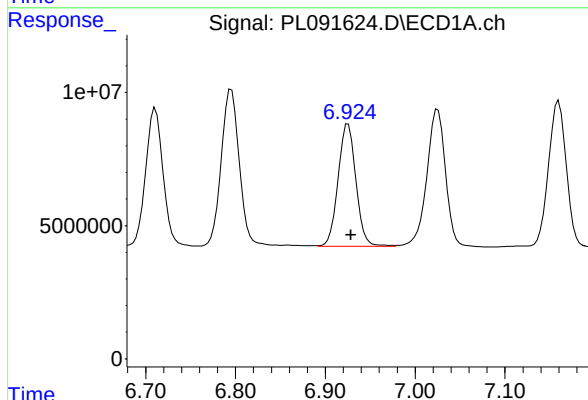
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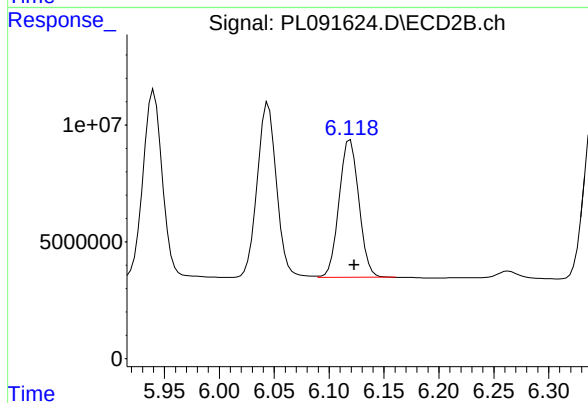
#17 4,4'-DDT

R.T.: 6.045 min  
Delta R.T.: -0.003 min  
Response: 91642559  
Conc: 57.03 ng/ml



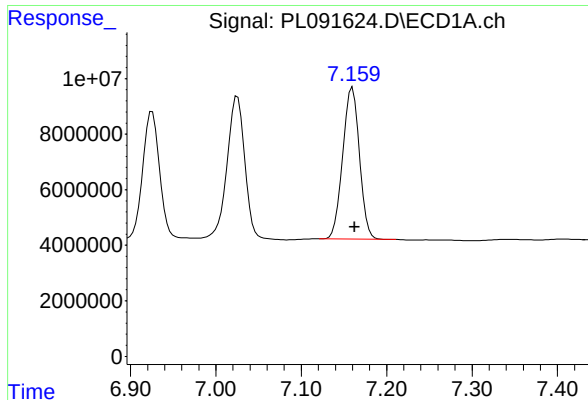
#18 Endrin aldehyde

R.T.: 6.925 min  
Delta R.T.: -0.003 min  
Response: 63425974  
Conc: 53.38 ng/ml



#18 Endrin aldehyde

R.T.: 6.119 min  
Delta R.T.: -0.004 min  
Response: 73712466  
Conc: 53.92 ng/ml



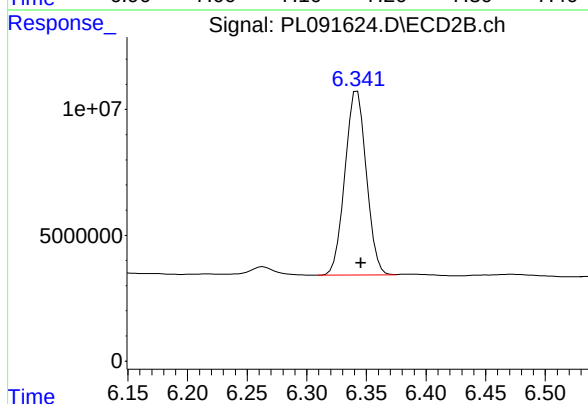
## #19 Endosulfan Sulfate

R.T.: 7.160 min  
Delta R.T.: -0.003 min  
Response: 74228906  
Conc: 53.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

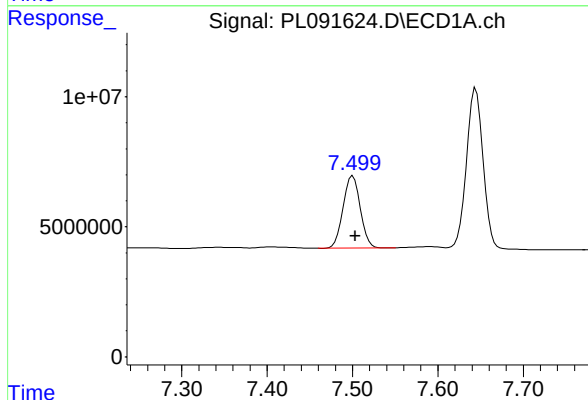
Manual Integrations  
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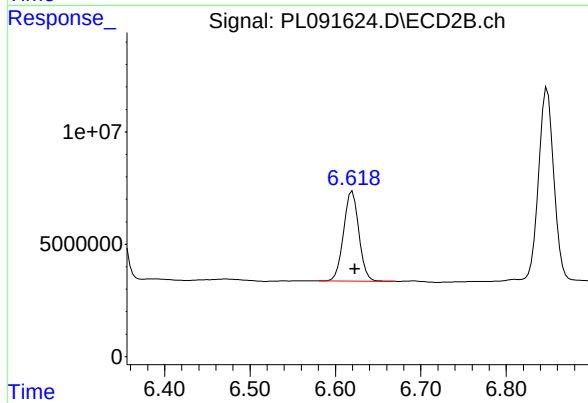
## #19 Endosulfan Sulfate

R.T.: 6.342 min  
Delta R.T.: -0.003 min  
Response: 91456800  
Conc: 53.29 ng/ml



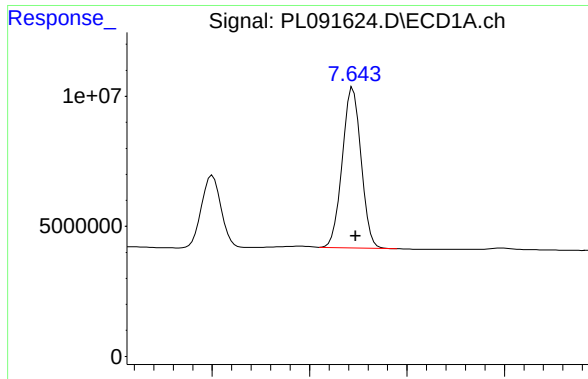
## #20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: -0.003 min  
Response: 38858538  
Conc: 57.44 ng/ml



## #20 Methoxychlor

R.T.: 6.620 min  
Delta R.T.: -0.003 min  
Response: 49725686  
Conc: 56.14 ng/ml



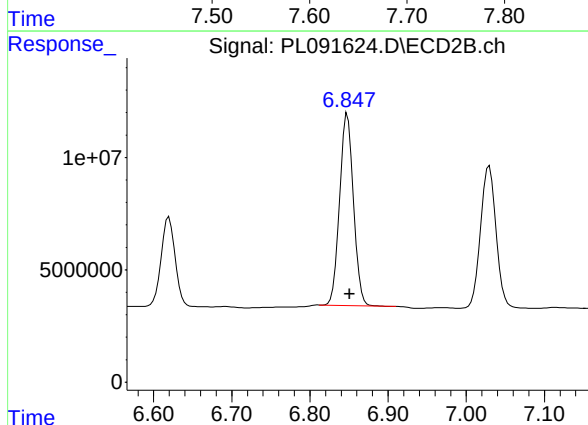
#21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: -0.003 min  
Response: 82578774  
Conc: 53.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

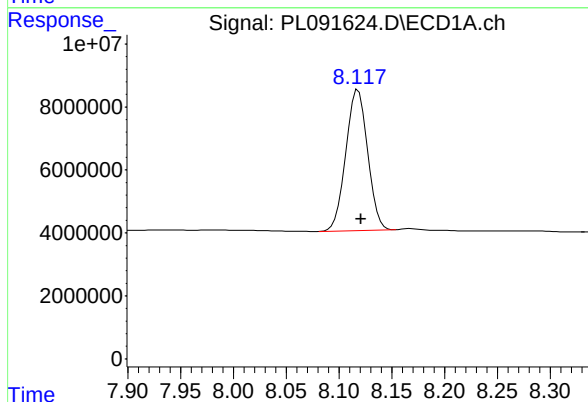
Manual Integrations  
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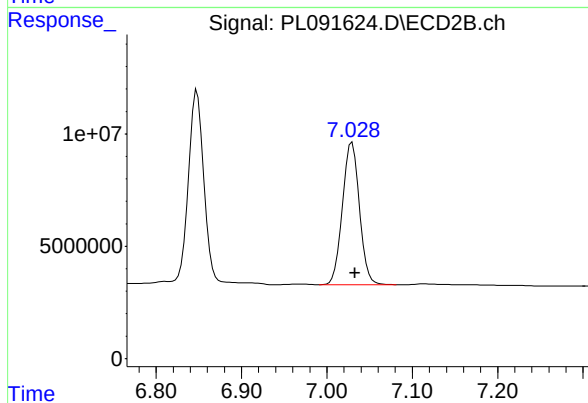
#21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: -0.003 min  
Response: 105354664  
Conc: 52.38 ng/ml



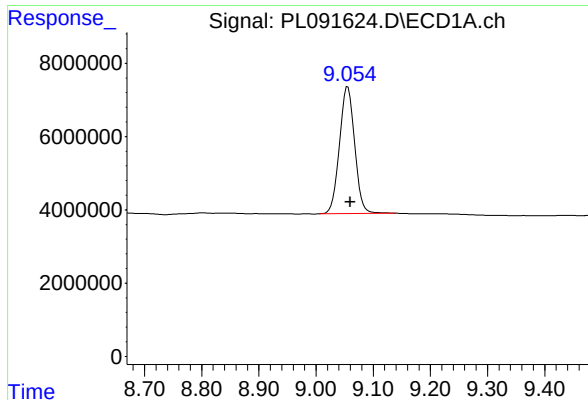
#22 Mirex

R.T.: 8.118 min  
Delta R.T.: -0.003 min  
Response: 64456241  
Conc: 53.83 ng/ml



#22 Mirex

R.T.: 7.029 min  
Delta R.T.: -0.003 min  
Response: 87508757  
Conc: 49.35 ng/ml



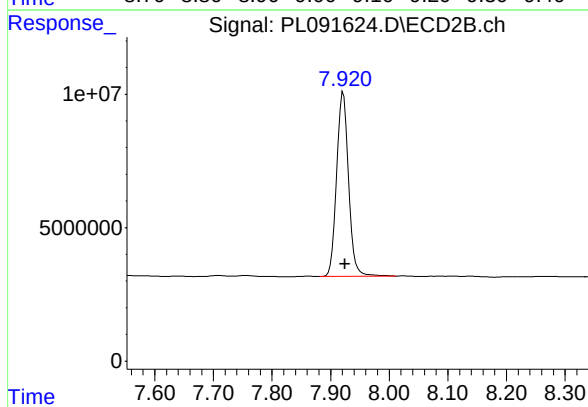
#28 Decachlorobiphenyl

R.T.: 9.055 min  
Delta R.T.: -0.005 min  
Response: 63833532  
Conc: 52.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 7.921 min  
Delta R.T.: -0.003 min  
Response: 97264308  
Conc: 52.67 ng/ml



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:31 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.07       | 9.06      | 8.96      | 9.16 | -0.01      |
| Tetrachloro-m-xylene | 3.55       | 3.54      | 3.44      | 3.64 | -0.01      |
| alpha-BHC            | 4.01       | 4.00      | 3.90      | 4.10 | -0.01      |
| beta-BHC             | 4.54       | 4.53      | 4.43      | 4.63 | -0.01      |
| delta-BHC            | 4.78       | 4.78      | 4.68      | 4.88 | 0.00       |
| gamma-BHC (Lindane)  | 4.34       | 4.33      | 4.23      | 4.43 | -0.01      |
| Heptachlor           | 4.93       | 4.92      | 4.82      | 5.02 | -0.01      |
| Aldrin               | 5.27       | 5.26      | 5.16      | 5.36 | -0.01      |
| Heptachlor epoxide   | 5.70       | 5.69      | 5.59      | 5.79 | -0.01      |
| Endosulfan I         | 6.08       | 6.07      | 5.97      | 6.17 | -0.01      |
| Dieldrin             | 6.36       | 6.35      | 6.25      | 6.45 | -0.01      |
| 4,4'-DDE             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Endrin               | 6.59       | 6.58      | 6.48      | 6.68 | -0.01      |
| Endosulfan II        | 6.80       | 6.80      | 6.70      | 6.90 | 0.00       |
| 4,4'-DDD             | 6.72       | 6.71      | 6.61      | 6.81 | -0.01      |
| Endosulfan sulfate   | 7.17       | 7.16      | 7.06      | 7.26 | -0.01      |
| 4,4'-DDT             | 7.04       | 7.03      | 6.93      | 7.13 | 0.00       |
| Methoxychlor         | 7.51       | 7.50      | 7.40      | 7.60 | -0.01      |
| Endrin ketone        | 7.65       | 7.65      | 7.55      | 7.75 | 0.00       |
| Endrin aldehyde      | 6.94       | 6.93      | 6.83      | 7.03 | 0.00       |
| alpha-Chlordane      | 6.03       | 6.02      | 5.92      | 6.12 | -0.01      |
| gamma-Chlordane      | 5.95       | 5.95      | 5.85      | 6.05 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:31 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.93       | 7.93      | 7.83      | 8.03 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.29       | 3.29      | 3.19      | 3.39 | 0.00       |
| beta-BHC             | 3.92       | 3.92      | 3.82      | 4.02 | 0.00       |
| delta-BHC            | 4.15       | 4.15      | 4.05      | 4.25 | 0.00       |
| gamma-BHC (Lindane)  | 3.62       | 3.62      | 3.52      | 3.72 | 0.00       |
| Heptachlor           | 3.96       | 3.96      | 3.86      | 4.06 | 0.00       |
| Aldrin               | 4.24       | 4.24      | 4.14      | 4.34 | 0.00       |
| Heptachlor epoxide   | 4.74       | 4.74      | 4.64      | 4.84 | 0.00       |
| Endosulfan I         | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Dieldrin             | 5.38       | 5.37      | 5.27      | 5.47 | -0.01      |
| 4,4'-DDE             | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Endrin               | 5.65       | 5.65      | 5.55      | 5.75 | 0.00       |
| Endosulfan II        | 5.95       | 5.94      | 5.84      | 6.04 | -0.01      |
| 4,4'-DDD             | 5.80       | 5.80      | 5.70      | 5.90 | 0.00       |
| Endosulfan sulfate   | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDT             | 6.05       | 6.05      | 5.95      | 6.15 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL03 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091651.D Time Analyzed: 11:31

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.720 | 6.614     | 6.814 | 52.910             | 50.000            | 5.8  |
| 4,4'-DDE             | 6.204 | 6.096     | 6.296 | 52.180             | 50.000            | 4.4  |
| 4,4'-DDT             | 7.035 | 6.928     | 7.128 | 46.450             | 50.000            | -7.1 |
| Aldrin               | 5.270 | 5.162     | 5.362 | 51.830             | 50.000            | 3.7  |
| alpha-BHC            | 4.007 | 3.899     | 4.099 | 52.410             | 50.000            | 4.8  |
| alpha-Chlordane      | 6.030 | 5.923     | 6.123 | 52.120             | 50.000            | 4.2  |
| beta-BHC             | 4.537 | 4.428     | 4.628 | 49.630             | 50.000            | -0.7 |
| Decachlorobiphenyl   | 9.068 | 8.960     | 9.160 | 51.430             | 50.000            | 2.9  |
| delta-BHC            | 4.784 | 4.676     | 4.876 | 50.680             | 50.000            | 1.4  |
| Dieldrin             | 6.355 | 6.249     | 6.449 | 51.890             | 50.000            | 3.8  |
| Endosulfan I         | 6.081 | 5.974     | 6.174 | 50.590             | 50.000            | 1.2  |
| Endosulfan II        | 6.803 | 6.698     | 6.898 | 50.010             | 50.000            | 0.0  |
| Endosulfan sulfate   | 7.169 | 7.062     | 7.262 | 49.470             | 50.000            | -1.1 |
| Endrin               | 6.586 | 6.479     | 6.679 | 46.560             | 50.000            | -6.9 |
| Endrin aldehyde      | 6.935 | 6.829     | 7.029 | 51.870             | 50.000            | 3.7  |
| Endrin ketone        | 7.652 | 7.547     | 7.747 | 52.950             | 50.000            | 5.9  |
| gamma-BHC (Lindane)  | 4.339 | 4.232     | 4.432 | 50.560             | 50.000            | 1.1  |
| gamma-Chlordane      | 5.951 | 5.845     | 6.045 | 50.830             | 50.000            | 1.7  |
| Heptachlor           | 4.929 | 4.821     | 5.021 | 52.320             | 50.000            | 4.6  |
| Heptachlor epoxide   | 5.695 | 5.589     | 5.789 | 49.570             | 50.000            | -0.9 |
| Methoxychlor         | 7.510 | 7.403     | 7.603 | 47.980             | 50.000            | -4.0 |
| Tetrachloro-m-xylene | 3.551 | 3.444     | 3.644 | 51.540             | 50.000            | 3.1  |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL03 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091651.D Time Analyzed: 11:31

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.798 | 5.697     | 5.897 | 51.580             | 50.000            | 3.2  |
| 4,4'-DDE             | 5.241 | 5.142     | 5.342 | 52.540             | 50.000            | 5.1  |
| 4,4'-DDT             | 6.049 | 5.947     | 6.147 | 46.090             | 50.000            | -7.8 |
| Aldrin               | 4.236 | 4.136     | 4.336 | 49.270             | 50.000            | -1.5 |
| alpha-BHC            | 3.286 | 3.186     | 3.386 | 51.480             | 50.000            | 3.0  |
| alpha-Chlordane      | 5.054 | 4.953     | 5.153 | 52.720             | 50.000            | 5.4  |
| beta-BHC             | 3.916 | 3.815     | 4.015 | 48.930             | 50.000            | -2.1 |
| Decachlorobiphenyl   | 7.926 | 7.825     | 8.025 | 50.760             | 50.000            | 1.5  |
| delta-BHC            | 4.146 | 4.045     | 4.245 | 50.320             | 50.000            | 0.6  |
| Dieldrin             | 5.375 | 5.274     | 5.474 | 49.810             | 50.000            | -0.4 |
| Endosulfan I         | 5.110 | 5.009     | 5.209 | 51.500             | 50.000            | 3.0  |
| Endosulfan II        | 5.945 | 5.843     | 6.043 | 51.940             | 50.000            | 3.9  |
| Endosulfan sulfate   | 6.347 | 6.246     | 6.446 | 51.860             | 50.000            | 3.7  |
| Endrin               | 5.650 | 5.549     | 5.749 | 45.660             | 50.000            | -8.7 |
| Endrin aldehyde      | 6.124 | 6.023     | 6.223 | 51.350             | 50.000            | 2.7  |
| Endrin ketone        | 6.852 | 6.751     | 6.951 | 53.050             | 50.000            | 6.1  |
| gamma-BHC (Lindane)  | 3.617 | 3.516     | 3.716 | 51.510             | 50.000            | 3.0  |
| gamma-Chlordane      | 4.990 | 4.889     | 5.089 | 51.320             | 50.000            | 2.6  |
| Heptachlor           | 3.957 | 3.856     | 4.056 | 50.300             | 50.000            | 0.6  |
| Heptachlor epoxide   | 4.740 | 4.639     | 4.839 | 48.650             | 50.000            | -2.7 |
| Methoxychlor         | 6.624 | 6.523     | 6.723 | 46.530             | 50.000            | -6.9 |
| Tetrachloro-m-xylene | 2.783 | 2.683     | 2.883 | 51.940             | 50.000            | 3.9  |



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091124\  
 Data File : PL091651.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Sep 2024 11:31  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 12 04:41:48 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.551 | 2.783 | 80325788 | 97144706 | 51.537  | 51.941  |
| 28)                         | SA Decachlor... | 9.068 | 7.926 | 62503795 | 93727917 | 51.430  | 50.758  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.007 | 3.286 | 113.2E6  | 136.9E6  | 52.413  | 51.484  |
| 3)                          | MA gamma-BHC... | 4.339 | 3.617 | 103.9E6  | 126.7E6  | 50.562  | 51.508  |
| 4)                          | MA Heptachlor   | 4.929 | 3.957 | 97995348 | 121.1E6  | 52.319  | 50.299  |
| 5)                          | MB Aldrin       | 5.270 | 4.236 | 96542299 | 112.4E6  | 51.833  | 49.275m |
| 6)                          | B beta-BHC      | 4.537 | 3.916 | 45166007 | 53456579 | 49.632  | 48.932  |
| 7)                          | B delta-BHC     | 4.784 | 4.146 | 97368592 | 115.8E6  | 50.682  | 50.319  |
| 8)                          | B Heptachlo...  | 5.695 | 4.740 | 82718878 | 102.5E6  | 49.570m | 48.652  |
| 9)                          | A Endosulfan I  | 6.081 | 5.110 | 78826093 | 99367244 | 50.591  | 51.503  |
| 10)                         | B gamma-Chl...  | 5.951 | 4.990 | 84924857 | 113.2E6  | 50.830  | 51.321  |
| 11)                         | B alpha-Chl...  | 6.030 | 5.054 | 84004648 | 109.1E6  | 52.118  | 52.717  |
| 12)                         | B 4,4'-DDE      | 6.204 | 5.241 | 76108966 | 99651200 | 52.177  | 52.539m |
| 13)                         | MA Dieldrin     | 6.355 | 5.375 | 84669276 | 102.4E6  | 51.889m | 49.808  |
| 14)                         | MA Endrin       | 6.586 | 5.650 | 61914701 | 86165763 | 46.563  | 45.658  |
| 15)                         | B Endosulfa...  | 6.803 | 5.945 | 77514639 | 91882255 | 50.009m | 51.943  |
| 16)                         | A 4,4'-DDD      | 6.720 | 5.798 | 67069490 | 86439766 | 52.913  | 51.583  |
| 17)                         | MA 4,4'-DDT     | 7.035 | 6.049 | 60931474 | 74049033 | 46.451  | 46.085  |
| 18)                         | B Endrin al...  | 6.935 | 6.124 | 61630302 | 70197284 | 51.872  | 51.350  |
| 19)                         | B Endosulfa...  | 7.169 | 6.347 | 69083333 | 88991060 | 49.473  | 51.856  |
| 20)                         | A Methoxychlor  | 7.510 | 6.624 | 32459716 | 41218344 | 47.984  | 46.534  |
| 21)                         | B Endrin ke...  | 7.652 | 6.852 | 81880191 | 106.7E6  | 52.952m | 53.052  |
| 22)                         | Mirex           | 8.128 | 7.033 | 60770102 | 84703029 | 50.750  | 47.768  |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091124\  
Data File : PL091651.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Sep 2024 11:31  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

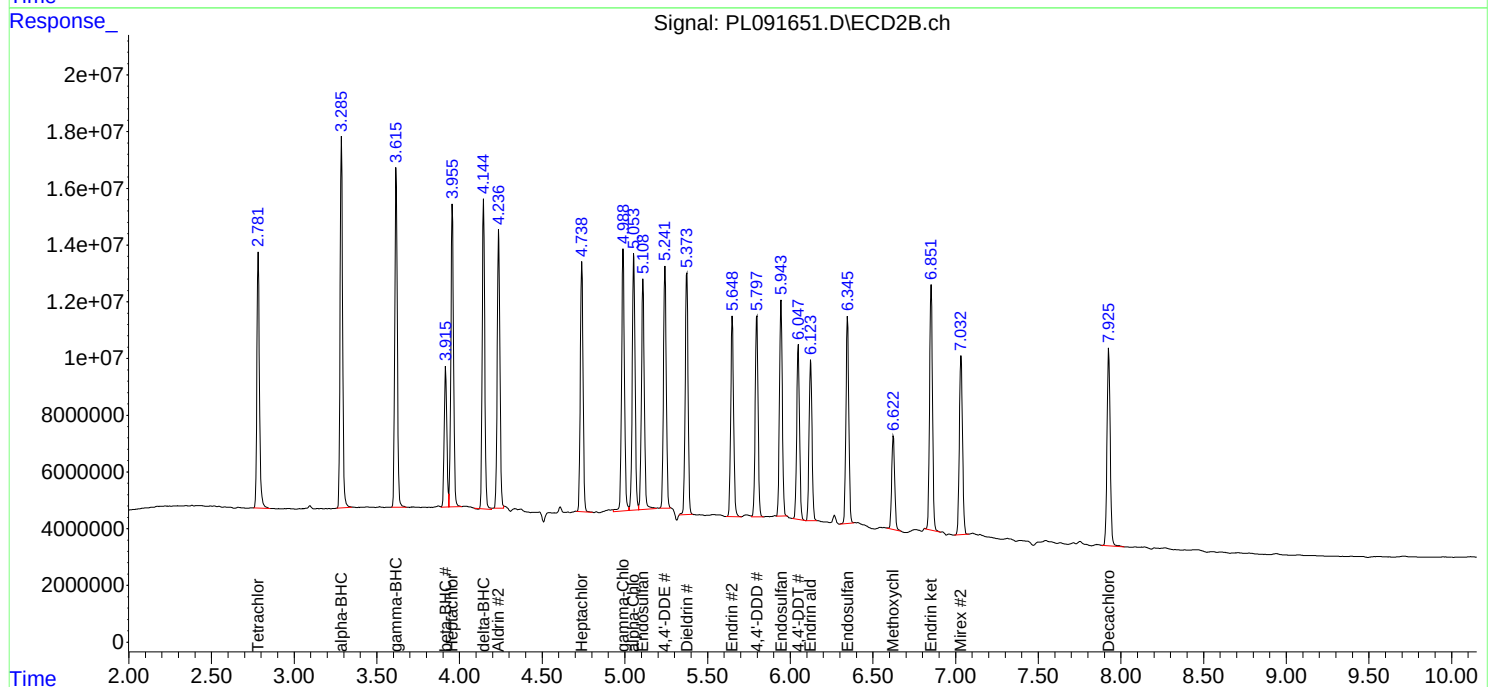
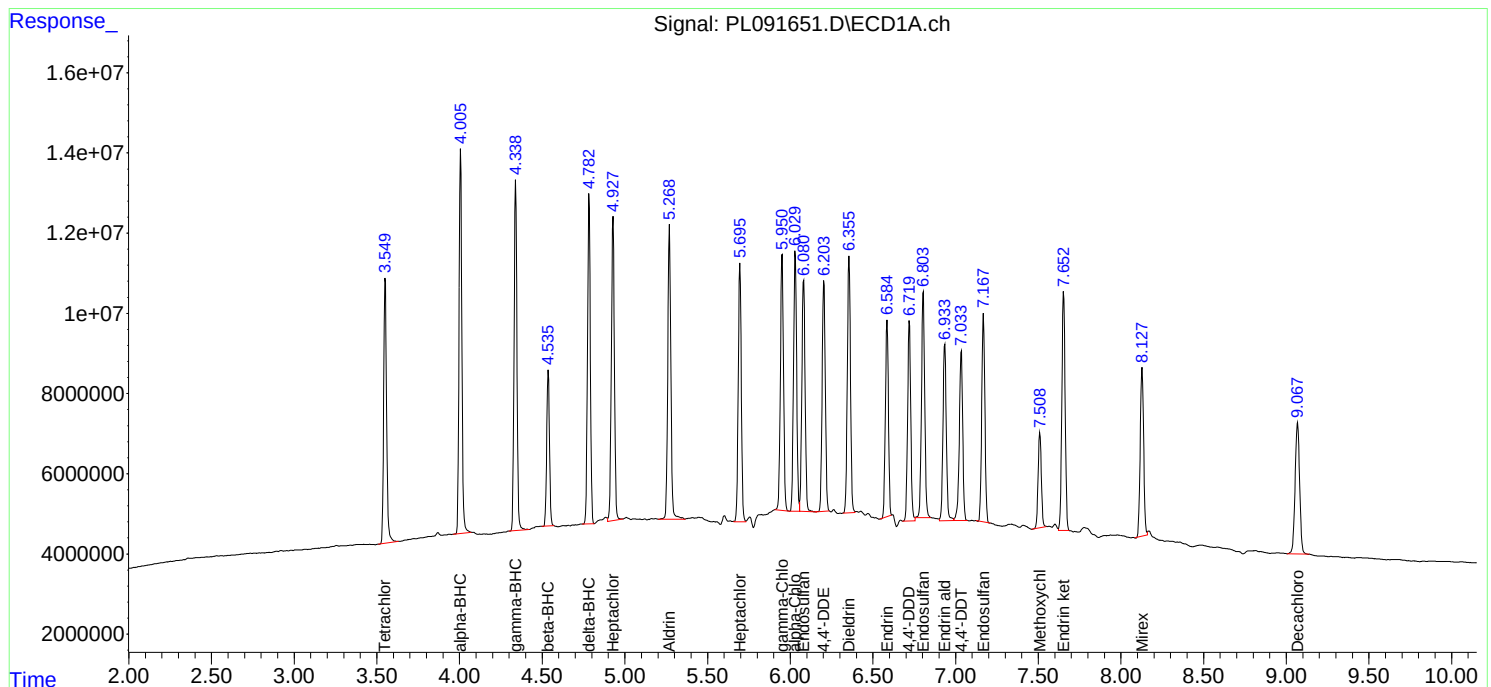
## APPROVED

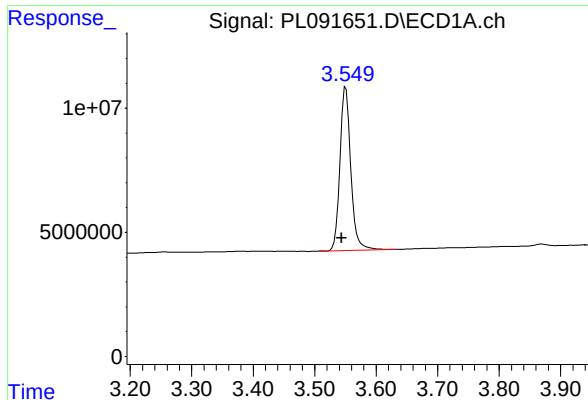
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 12 04:41:48 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





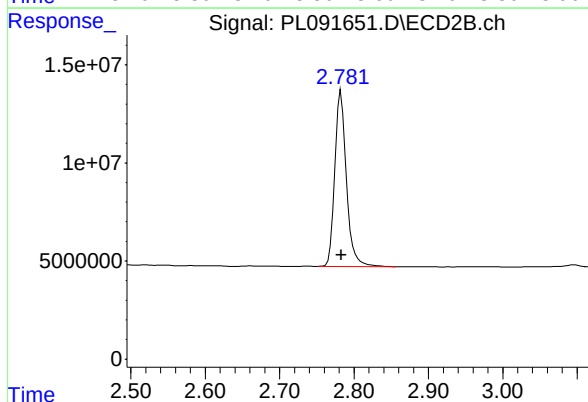
## #1 Tetrachloro-m-xylene

R.T.: 3.551 min  
Delta R.T.: 0.007 min  
Response: 80325788  
Conc: 51.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

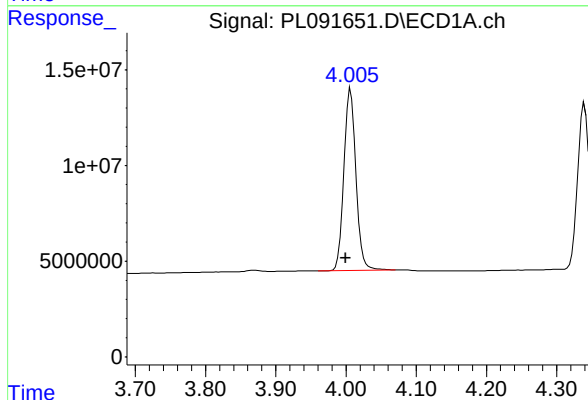
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



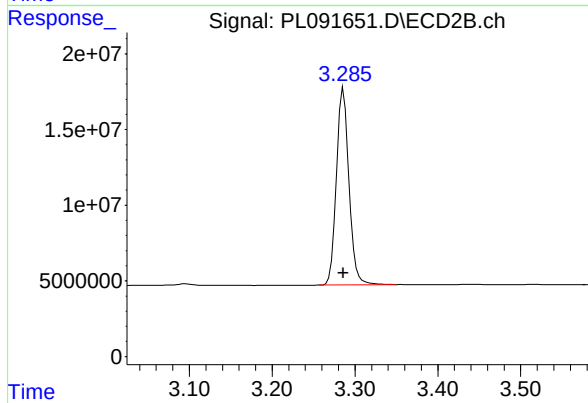
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 97144706  
Conc: 51.94 ng/ml



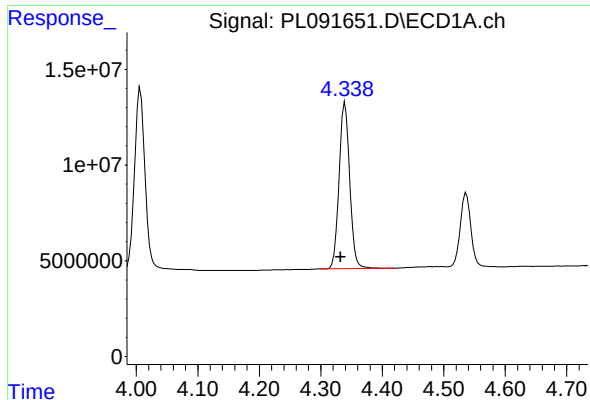
## #2 alpha-BHC

R.T.: 4.007 min  
Delta R.T.: 0.007 min  
Response: 113208195  
Conc: 52.41 ng/ml



## #2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 136924386  
Conc: 51.48 ng/ml



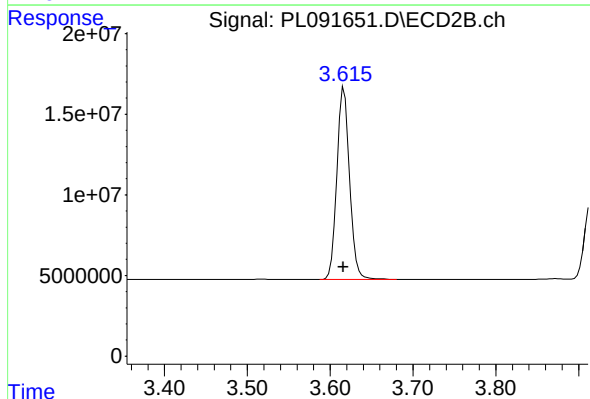
#3 gamma-BHC (Lindane)

R.T.: 4.339 min  
Delta R.T.: 0.008 min  
Response: 103941007  
Conc: 50.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

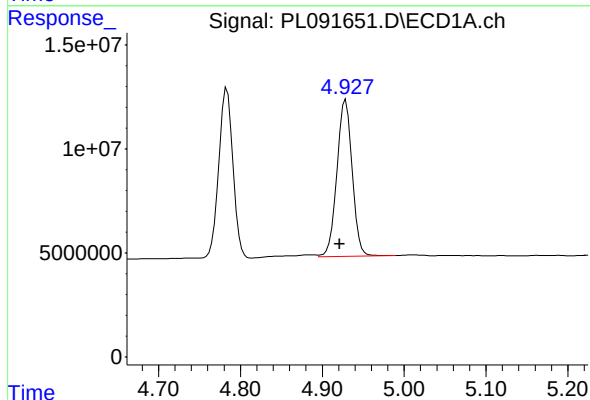
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



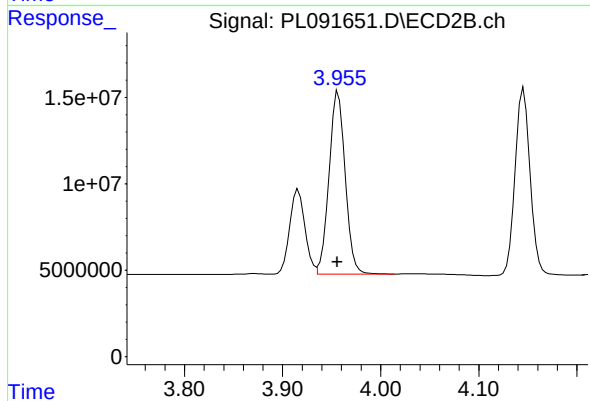
#3 gamma-BHC (Lindane)

R.T.: 3.617 min  
Delta R.T.: 0.000 min  
Response: 126681675  
Conc: 51.51 ng/ml



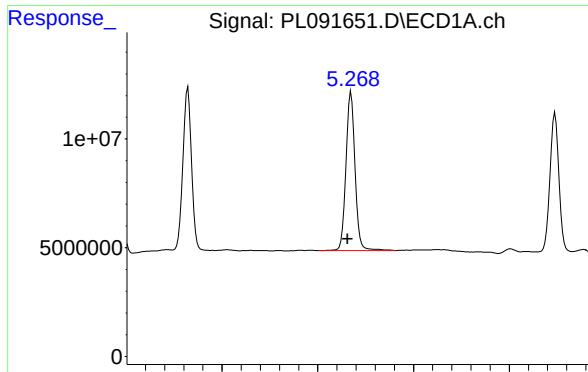
#4 Heptachlor

R.T.: 4.929 min  
Delta R.T.: 0.008 min  
Response: 97995348  
Conc: 52.32 ng/ml



#4 Heptachlor

R.T.: 3.957 min  
Delta R.T.: 0.000 min  
Response: 121135699  
Conc: 50.30 ng/ml



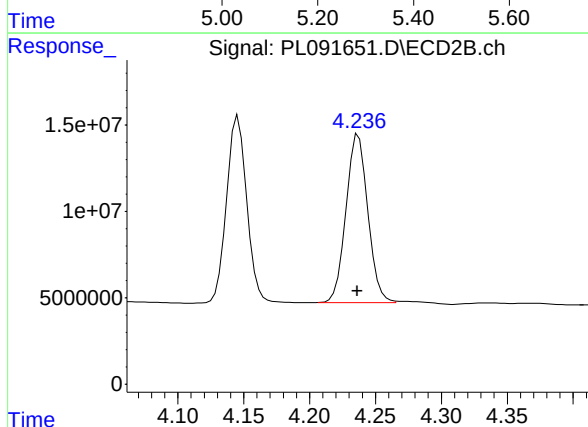
#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: 0.007 min  
Response: 96542299  
Conc: 51.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

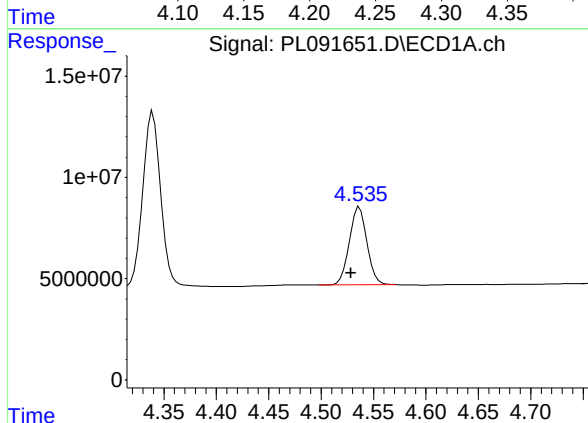
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



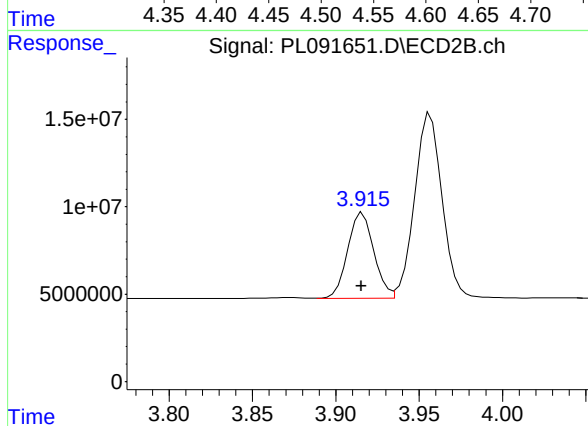
#5 Aldrin

R.T.: 4.236 min  
Delta R.T.: 0.000 min  
Response: 112420102  
Conc: 49.27 ng/ml m



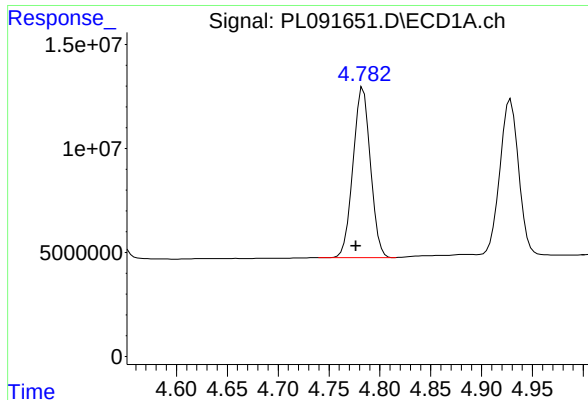
#6 beta-BHC

R.T.: 4.537 min  
Delta R.T.: 0.008 min  
Response: 45166007  
Conc: 49.63 ng/ml



#6 beta-BHC

R.T.: 3.916 min  
Delta R.T.: 0.000 min  
Response: 53456579  
Conc: 48.93 ng/ml



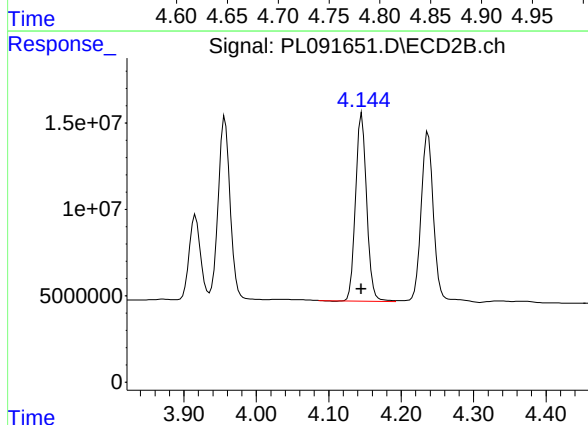
#7 delta-BHC

R.T.: 4.784 min  
Delta R.T.: 0.007 min  
Response: 97368592  
Conc: 50.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

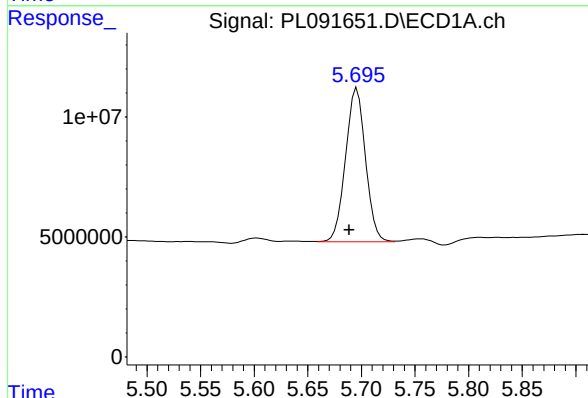
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



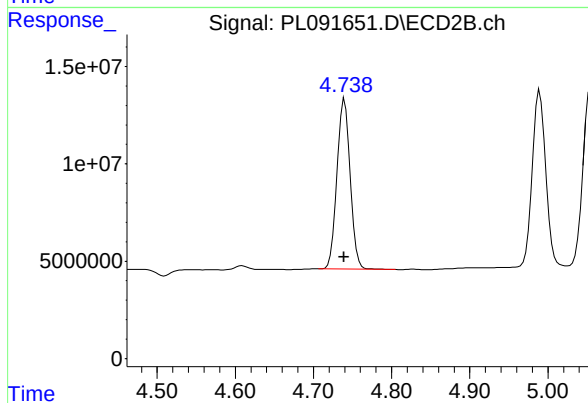
#7 delta-BHC

R.T.: 4.146 min  
Delta R.T.: 0.000 min  
Response: 115771244  
Conc: 50.32 ng/ml



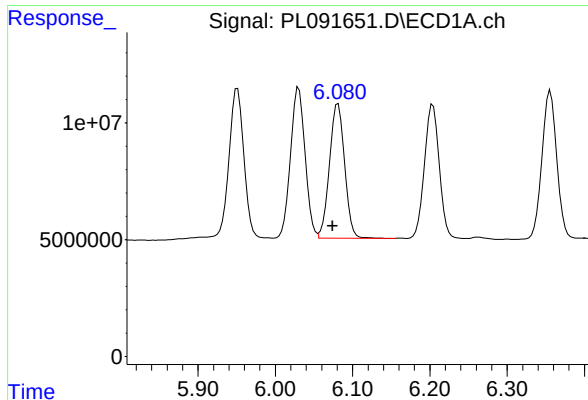
#8 Heptachlor epoxide

R.T.: 5.695 min  
Delta R.T.: 0.006 min  
Response: 82718878  
Conc: 49.57 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.740 min  
Delta R.T.: 0.000 min  
Response: 102543756  
Conc: 48.65 ng/ml



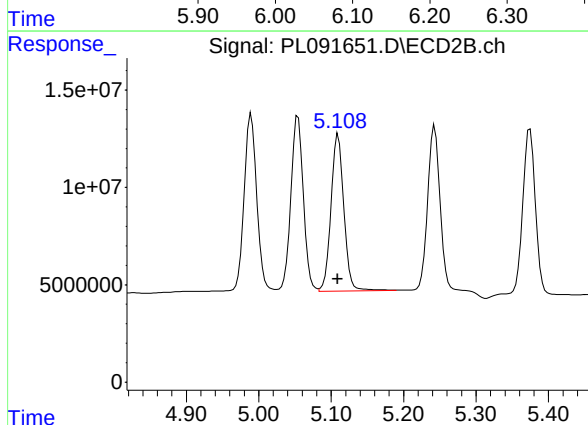
## #9 Endosulfan I

R.T.: 6.081 min  
Delta R.T.: 0.007 min  
Response: 78826093  
Conc: 50.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

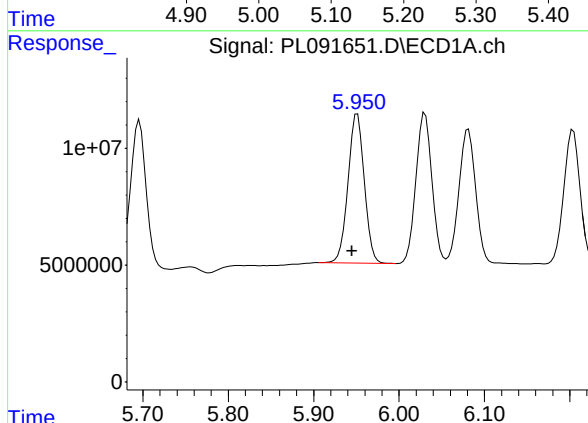
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



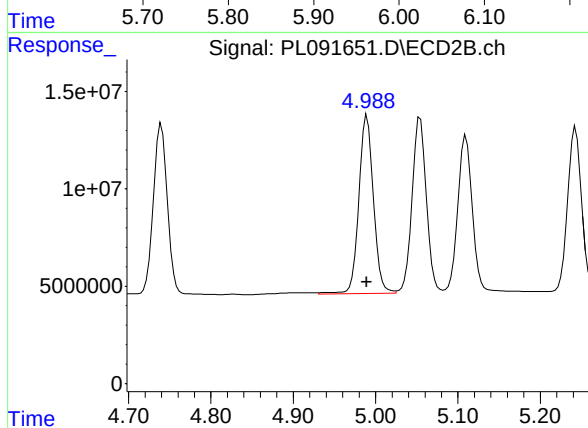
## #9 Endosulfan I

R.T.: 5.110 min  
Delta R.T.: 0.000 min  
Response: 99367244  
Conc: 51.50 ng/ml



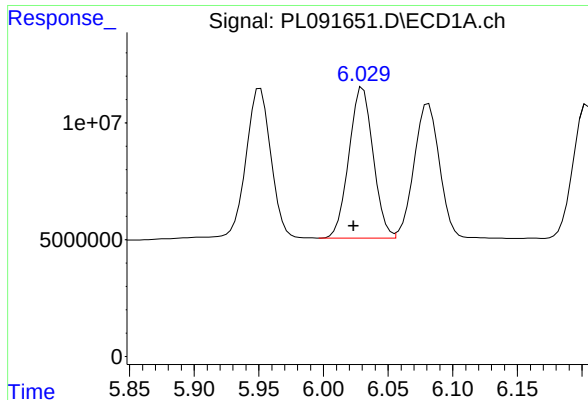
## #10 gamma-Chlordane

R.T.: 5.951 min  
Delta R.T.: 0.006 min  
Response: 84924857  
Conc: 50.83 ng/ml



## #10 gamma-Chlordane

R.T.: 4.990 min  
Delta R.T.: 0.000 min  
Response: 113197536  
Conc: 51.32 ng/ml



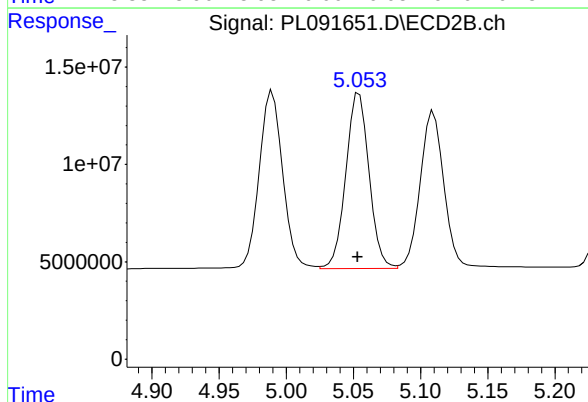
#11 alpha-Chlordane

R.T.: 6.030 min  
Delta R.T.: 0.007 min  
Response: 84004648  
Conc: 52.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

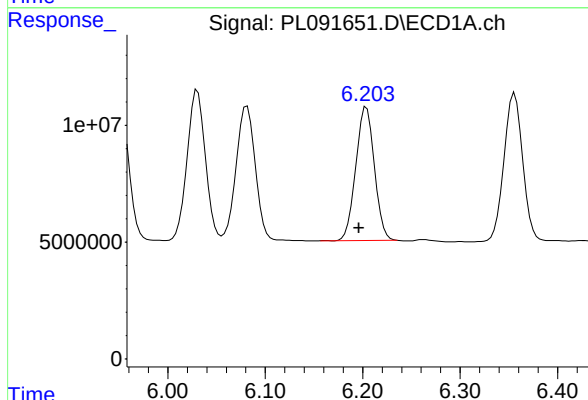
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



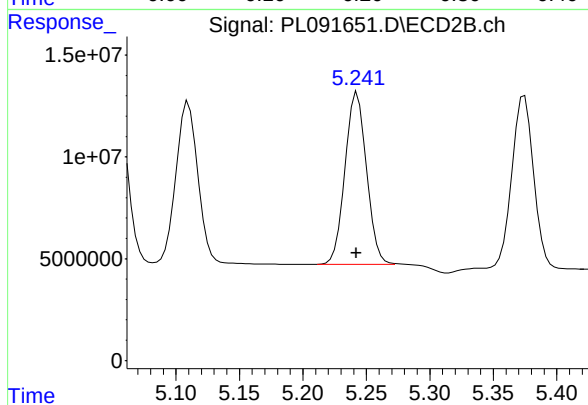
#11 alpha-Chlordane

R.T.: 5.054 min  
Delta R.T.: 0.000 min  
Response: 109071725  
Conc: 52.72 ng/ml



#12 4,4'-DDE

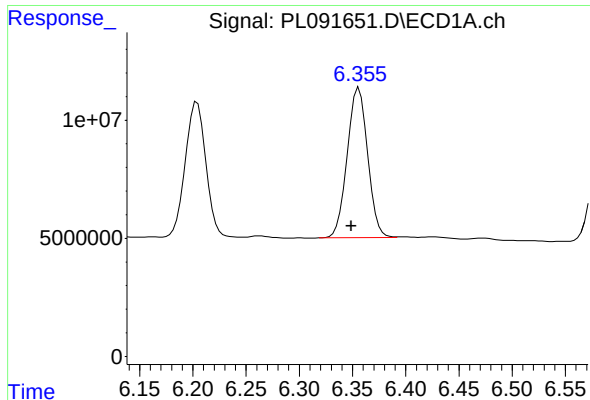
R.T.: 6.204 min  
Delta R.T.: 0.008 min  
Response: 76108966  
Conc: 52.18 ng/ml



#12 4,4'-DDE

R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 99651200  
Conc: 52.54 ng/ml m





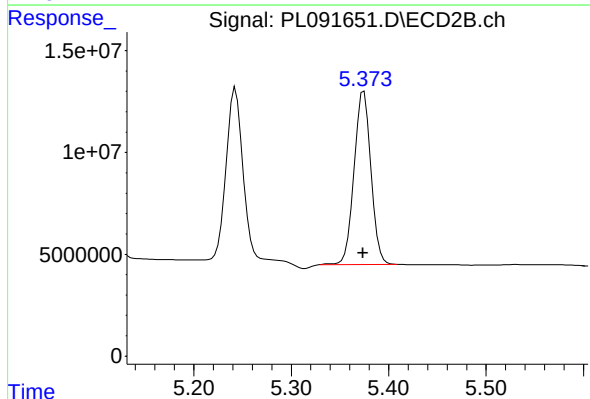
#13 Dieldrin

R.T.: 6.355 min  
Delta R.T.: 0.006 min  
Response: 84669276  
Conc: 51.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

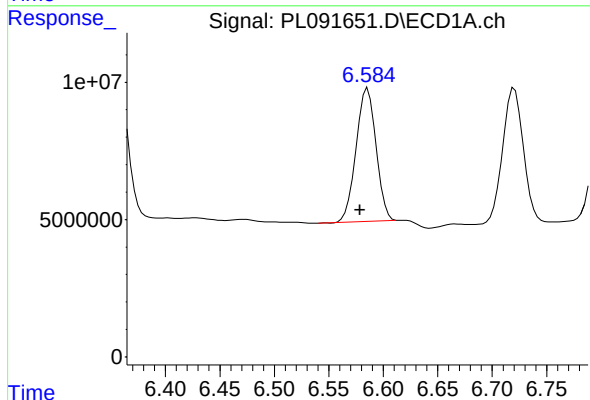
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 09/12/2024



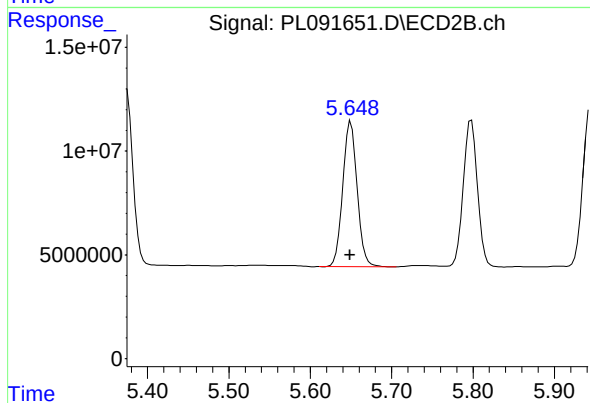
#13 Dieldrin

R.T.: 5.375 min  
Delta R.T.: 0.000 min  
Response: 102376598  
Conc: 49.81 ng/ml



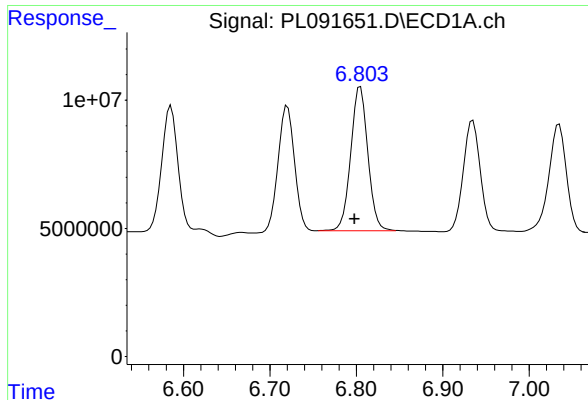
#14 Endrin

R.T.: 6.586 min  
Delta R.T.: 0.007 min  
Response: 61914701  
Conc: 46.56 ng/ml



#14 Endrin

R.T.: 5.650 min  
Delta R.T.: 0.000 min  
Response: 86165763  
Conc: 45.66 ng/ml



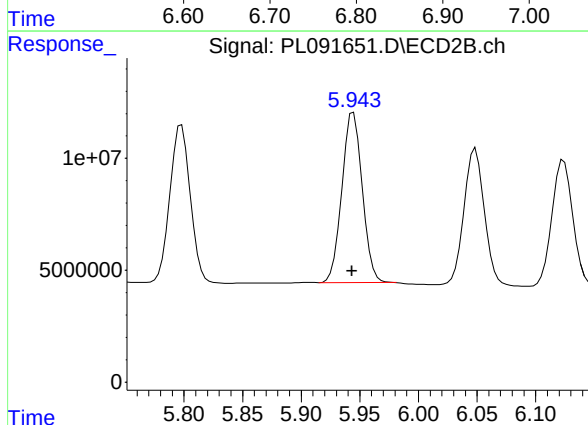
## #15 Endosulfan II

R.T.: 6.803 min  
Delta R.T.: 0.005 min  
Response: 77514639  
Conc: 50.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

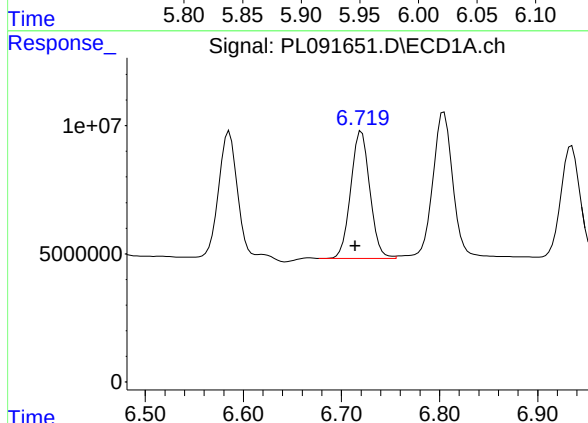
Manual Integrations  
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Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



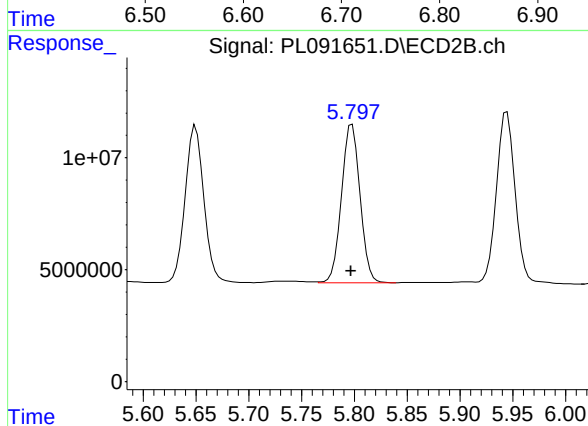
## #15 Endosulfan II

R.T.: 5.945 min  
Delta R.T.: 0.001 min  
Response: 91882255  
Conc: 51.94 ng/ml



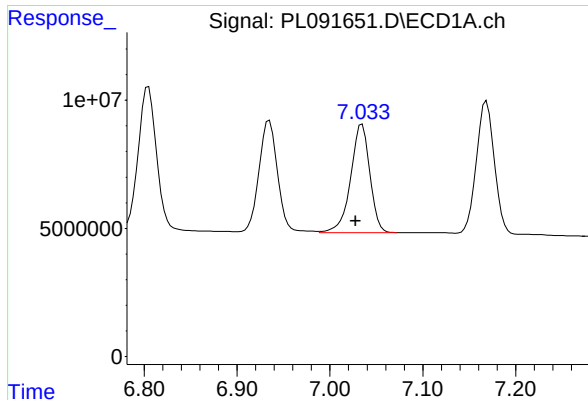
## #16 4,4'-DDD

R.T.: 6.720 min  
Delta R.T.: 0.006 min  
Response: 67069490  
Conc: 52.91 ng/ml



## #16 4,4'-DDD

R.T.: 5.798 min  
Delta R.T.: 0.001 min  
Response: 86439766  
Conc: 51.58 ng/ml



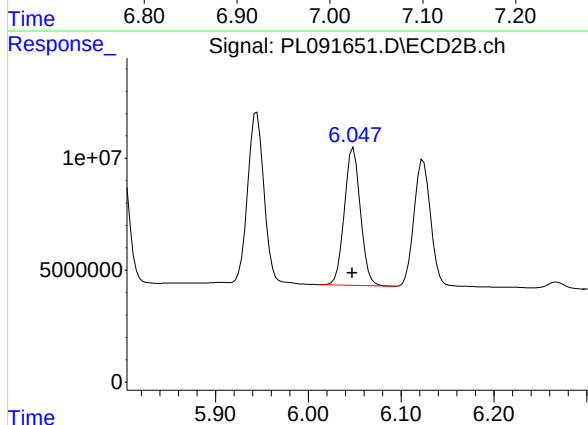
#17 4,4'-DDT

R.T.: 7.035 min  
Delta R.T.: 0.007 min  
Response: 60931474  
Conc: 46.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

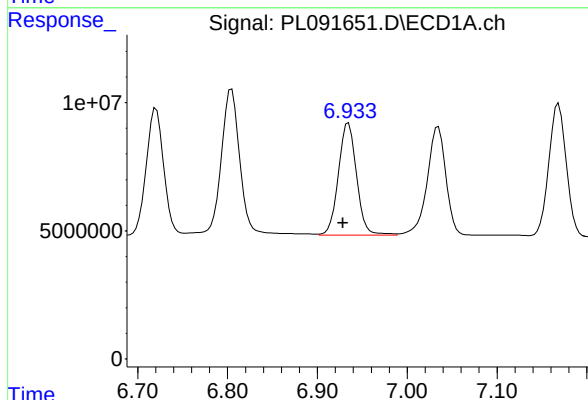
Manual Integrations  
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Supervised By :Ankita Jodhani 09/12/2024



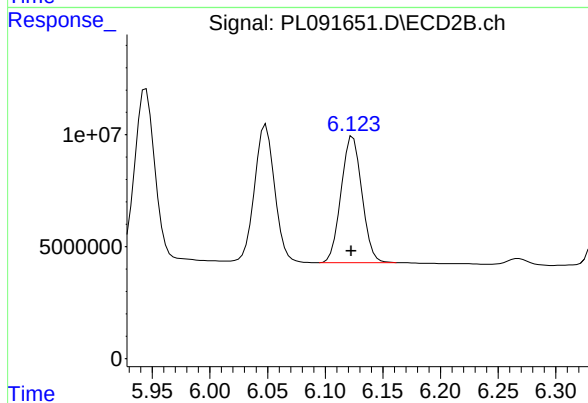
#17 4,4'-DDT

R.T.: 6.049 min  
Delta R.T.: 0.001 min  
Response: 74049033  
Conc: 46.09 ng/ml



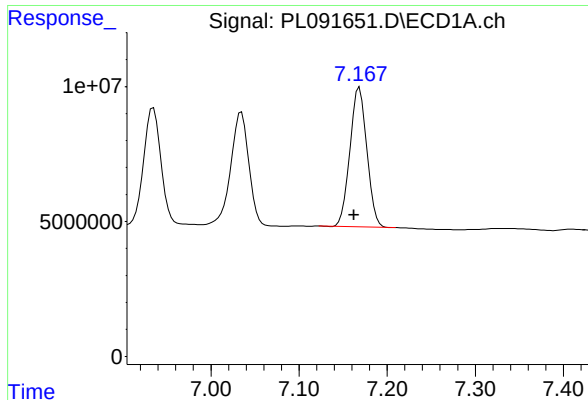
#18 Endrin aldehyde

R.T.: 6.935 min  
Delta R.T.: 0.006 min  
Response: 61630302  
Conc: 51.87 ng/ml



#18 Endrin aldehyde

R.T.: 6.124 min  
Delta R.T.: 0.001 min  
Response: 70197284  
Conc: 51.35 ng/ml



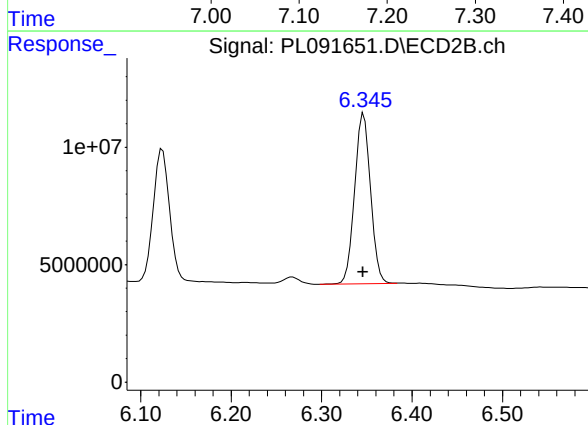
## #19 Endosulfan Sulfate

R.T.: 7.169 min  
Delta R.T.: 0.006 min  
Response: 69083333  
Conc: 49.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

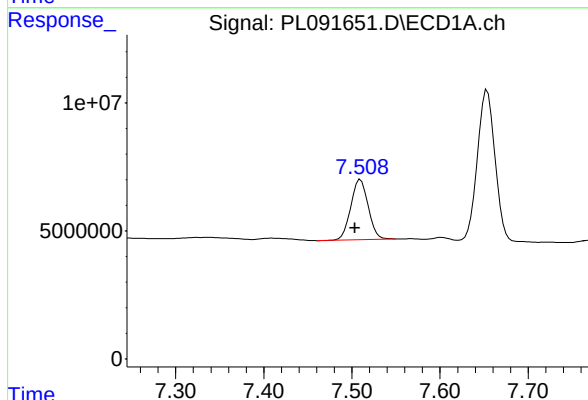
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



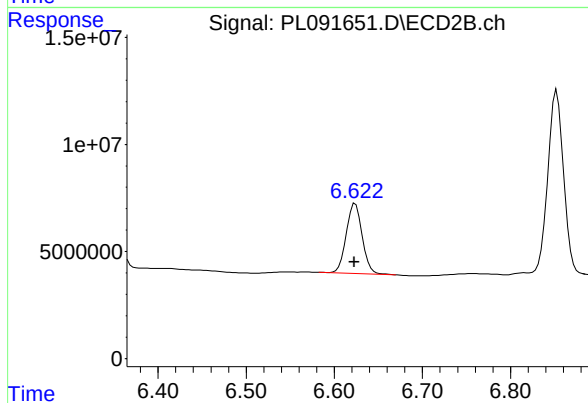
## #19 Endosulfan Sulfate

R.T.: 6.347 min  
Delta R.T.: 0.001 min  
Response: 88991060  
Conc: 51.86 ng/ml



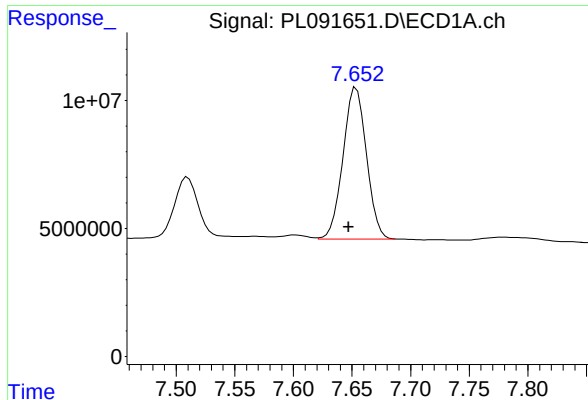
## #20 Methoxychlor

R.T.: 7.510 min  
Delta R.T.: 0.006 min  
Response: 32459716  
Conc: 47.98 ng/ml



## #20 Methoxychlor

R.T.: 6.624 min  
Delta R.T.: 0.001 min  
Response: 41218344  
Conc: 46.53 ng/ml



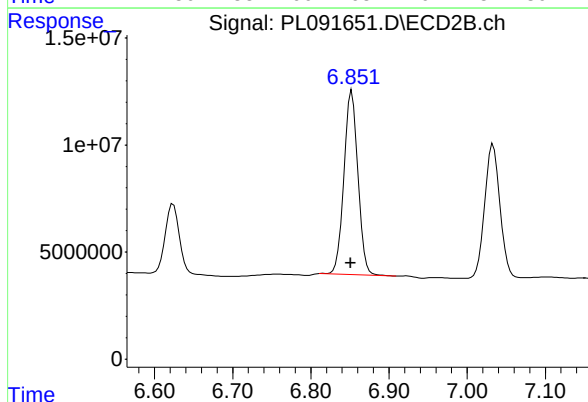
#21 Endrin ketone

R.T.: 7.652 min  
Delta R.T.: 0.005 min  
Response: 81880191  
Conc: 52.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

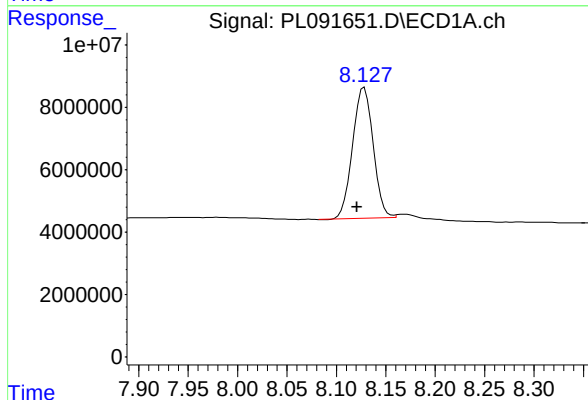
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



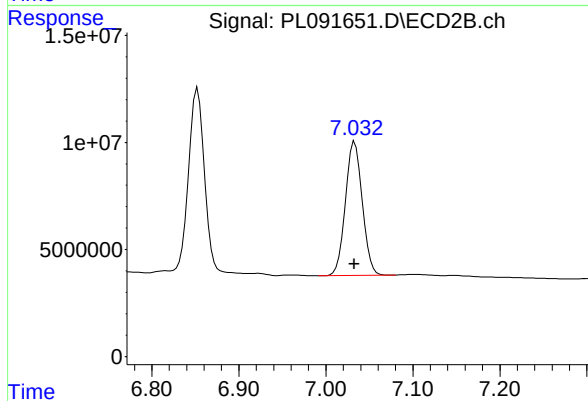
#21 Endrin ketone

R.T.: 6.852 min  
Delta R.T.: 0.001 min  
Response: 106709726  
Conc: 53.05 ng/ml



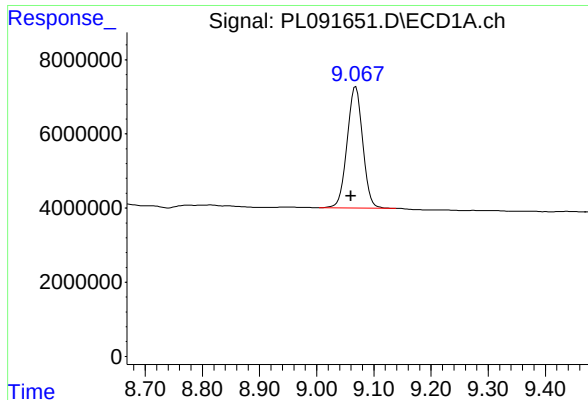
#22 Mirex

R.T.: 8.128 min  
Delta R.T.: 0.008 min  
Response: 60770102  
Conc: 50.75 ng/ml



#22 Mirex

R.T.: 7.033 min  
Delta R.T.: 0.000 min  
Response: 84703029  
Conc: 47.77 ng/ml



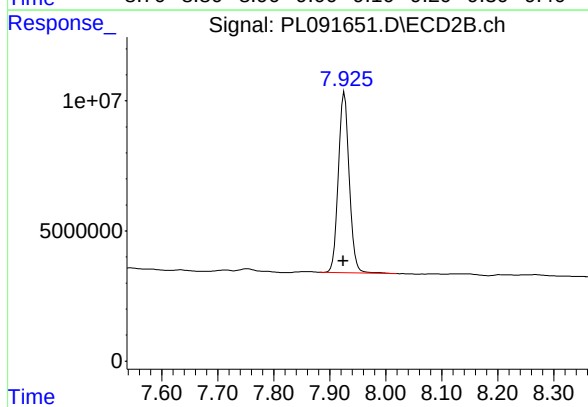
#28 Decachlorobiphenyl

R.T.: 9.068 min  
Delta R.T.: 0.008 min  
Response: 62503795  
Conc: 51.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



#28 Decachlorobiphenyl

R.T.: 7.926 min  
Delta R.T.: 0.002 min  
Response: 93727917  
Conc: 50.76 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 15:17 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.55       | 3.54      | 3.44      | 3.64 | -0.01      |
| alpha-BHC            | 4.00       | 4.00      | 3.90      | 4.10 | 0.00       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.78       | 4.78      | 4.68      | 4.88 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.69      | 5.59      | 5.79 | 0.00       |
| Endosulfan I         | 6.08       | 6.07      | 5.97      | 6.17 | -0.01      |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Endrin               | 6.58       | 6.58      | 6.48      | 6.68 | 0.00       |
| Endosulfan II        | 6.80       | 6.80      | 6.70      | 6.90 | 0.00       |
| 4,4'-DDD             | 6.72       | 6.71      | 6.61      | 6.81 | -0.01      |
| Endosulfan sulfate   | 7.17       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.03      | 6.93      | 7.13 | 0.00       |
| Methoxychlor         | 7.51       | 7.50      | 7.40      | 7.60 | -0.01      |
| Endrin ketone        | 7.65       | 7.65      | 7.55      | 7.75 | 0.00       |
| Endrin aldehyde      | 6.93       | 6.93      | 6.83      | 7.03 | 0.00       |
| alpha-Chlordane      | 6.03       | 6.02      | 5.92      | 6.12 | -0.01      |
| gamma-Chlordane      | 5.95       | 5.95      | 5.85      | 6.05 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 15:17 Initial Calibration Time(s): 15:31 16:25

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.93       | 7.93      | 7.83      | 8.03 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.29       | 3.29      | 3.19      | 3.39 | 0.00       |
| beta-BHC             | 3.92       | 3.92      | 3.82      | 4.02 | 0.00       |
| delta-BHC            | 4.15       | 4.15      | 4.05      | 4.25 | 0.00       |
| gamma-BHC (Lindane)  | 3.62       | 3.62      | 3.52      | 3.72 | 0.00       |
| Heptachlor           | 3.96       | 3.96      | 3.86      | 4.06 | 0.00       |
| Aldrin               | 4.24       | 4.24      | 4.14      | 4.34 | 0.00       |
| Heptachlor epoxide   | 4.74       | 4.74      | 4.64      | 4.84 | 0.00       |
| Endosulfan I         | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Dieldrin             | 5.38       | 5.37      | 5.27      | 5.47 | -0.01      |
| 4,4'-DDE             | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Endrin               | 5.65       | 5.65      | 5.55      | 5.75 | 0.00       |
| Endosulfan II        | 5.95       | 5.94      | 5.84      | 6.04 | -0.01      |
| 4,4'-DDD             | 5.80       | 5.80      | 5.70      | 5.90 | 0.00       |
| Endosulfan sulfate   | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDT             | 6.05       | 6.05      | 5.95      | 6.15 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |





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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL04 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091663.D Time Analyzed: 15:17

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.716 | 6.614     | 6.814 | 54.090             | 50.000            | 8.2  |
| 4,4'-DDE             | 6.199 | 6.096     | 6.296 | 52.730             | 50.000            | 5.5  |
| 4,4'-DDT             | 7.030 | 6.928     | 7.128 | 46.490             | 50.000            | -7.0 |
| Aldrin               | 5.264 | 5.162     | 5.362 | 52.100             | 50.000            | 4.2  |
| alpha-BHC            | 4.001 | 3.899     | 4.099 | 55.170             | 50.000            | 10.3 |
| alpha-Chlordane      | 6.026 | 5.923     | 6.123 | 53.980             | 50.000            | 8.0  |
| beta-BHC             | 4.531 | 4.428     | 4.628 | 55.390             | 50.000            | 10.8 |
| Decachlorobiphenyl   | 9.063 | 8.960     | 9.160 | 50.190             | 50.000            | 0.4  |
| delta-BHC            | 4.778 | 4.676     | 4.876 | 52.590             | 50.000            | 5.2  |
| Dieldrin             | 6.351 | 6.249     | 6.449 | 51.790             | 50.000            | 3.6  |
| Endosulfan I         | 6.076 | 5.974     | 6.174 | 52.770             | 50.000            | 5.5  |
| Endosulfan II        | 6.801 | 6.698     | 6.898 | 49.180             | 50.000            | -1.6 |
| Endosulfan sulfate   | 7.165 | 7.062     | 7.262 | 49.450             | 50.000            | -1.1 |
| Endrin               | 6.581 | 6.479     | 6.679 | 48.460             | 50.000            | -3.1 |
| Endrin aldehyde      | 6.930 | 6.829     | 7.029 | 50.170             | 50.000            | 0.3  |
| Endrin ketone        | 7.648 | 7.547     | 7.747 | 51.150             | 50.000            | 2.3  |
| gamma-BHC (Lindane)  | 4.334 | 4.232     | 4.432 | 55.670             | 50.000            | 11.3 |
| gamma-Chlordane      | 5.947 | 5.845     | 6.045 | 52.380             | 50.000            | 4.8  |
| Heptachlor           | 4.921 | 4.821     | 5.021 | 53.950             | 50.000            | 7.9  |
| Heptachlor epoxide   | 5.691 | 5.589     | 5.789 | 53.410             | 50.000            | 6.8  |
| Methoxychlor         | 7.505 | 7.403     | 7.603 | 49.080             | 50.000            | -1.8 |
| Tetrachloro-m-xylene | 3.546 | 3.444     | 3.644 | 55.390             | 50.000            | 10.8 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL04 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091663.D Time Analyzed: 15:17

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.798 | 5.697     | 5.897 | 57.210             | 50.000            | 14.4  |
| 4,4'-DDE             | 5.243 | 5.142     | 5.342 | 58.170             | 50.000            | 16.3  |
| 4,4'-DDT             | 6.049 | 5.947     | 6.147 | 46.980             | 50.000            | -6.0  |
| Aldrin               | 4.238 | 4.136     | 4.336 | 58.780             | 50.000            | 17.6  |
| alpha-BHC            | 3.288 | 3.186     | 3.386 | 59.790             | 50.000            | 19.6  |
| alpha-Chlordane      | 5.054 | 4.953     | 5.153 | 55.540             | 50.000            | 11.1  |
| beta-BHC             | 3.917 | 3.815     | 4.015 | 54.850             | 50.000            | 9.7   |
| Decachlorobiphenyl   | 7.926 | 7.825     | 8.025 | 42.940             | 50.000            | -14.1 |
| delta-BHC            | 4.146 | 4.045     | 4.245 | 58.390             | 50.000            | 16.8  |
| Dieldrin             | 5.375 | 5.274     | 5.474 | 54.990             | 50.000            | 10.0  |
| Endosulfan I         | 5.110 | 5.009     | 5.209 | 53.830             | 50.000            | 7.7   |
| Endosulfan II        | 5.945 | 5.843     | 6.043 | 53.260             | 50.000            | 6.5   |
| Endosulfan sulfate   | 6.347 | 6.246     | 6.446 | 51.960             | 50.000            | 3.9   |
| Endrin               | 5.650 | 5.549     | 5.749 | 49.430             | 50.000            | -1.1  |
| Endrin aldehyde      | 6.124 | 6.023     | 6.223 | 51.330             | 50.000            | 2.7   |
| Endrin ketone        | 6.853 | 6.751     | 6.951 | 50.310             | 50.000            | 0.6   |
| gamma-BHC (Lindane)  | 3.618 | 3.516     | 3.716 | 57.480             | 50.000            | 15.0  |
| gamma-Chlordane      | 4.991 | 4.889     | 5.089 | 55.120             | 50.000            | 10.2  |
| Heptachlor           | 3.958 | 3.856     | 4.056 | 56.490             | 50.000            | 13.0  |
| Heptachlor epoxide   | 4.741 | 4.639     | 4.839 | 53.990             | 50.000            | 8.0   |
| Methoxychlor         | 6.624 | 6.523     | 6.723 | 45.500             | 50.000            | -9.0  |
| Tetrachloro-m-xylene | 2.784 | 2.683     | 2.883 | 58.900             | 50.000            | 17.8  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091124\  
 Data File : PL091663.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Sep 2024 15:17  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 12 03:51:54 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.546 | 2.784 | 86323103 | 110.2E6  | 55.385  | 58.901 |
| 28)                         | SA Decachlor... | 9.063 | 7.926 | 61002468 | 79283774 | 50.194  | 42.936 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 4.001 | 3.288 | 119.2E6  | 159.0E6  | 55.172  | 59.790 |
| 3)                          | MA gamma-BHC... | 4.334 | 3.618 | 114.4E6  | 141.4E6  | 55.668  | 57.481 |
| 4)                          | MA Heptachlor   | 4.921 | 3.958 | 101.1E6  | 136.1E6  | 53.951m | 56.495 |
| 5)                          | MB Aldrin       | 5.264 | 4.238 | 97033204 | 134.1E6  | 52.096  | 58.780 |
| 6)                          | B beta-BHC      | 4.531 | 3.917 | 50402418 | 59919550 | 55.386  | 54.848 |
| 7)                          | B delta-BHC     | 4.778 | 4.146 | 101.0E6  | 134.3E6  | 52.586  | 58.389 |
| 8)                          | B Heptachlo...  | 5.691 | 4.741 | 89118646 | 113.8E6  | 53.405  | 53.991 |
| 9)                          | A Endosulfan I  | 6.076 | 5.110 | 82214759 | 103.9E6  | 52.766  | 53.833 |
| 10)                         | B gamma-Chl...  | 5.947 | 4.991 | 87507680 | 121.6E6  | 52.376  | 55.117 |
| 11)                         | B alpha-Chl...  | 6.026 | 5.054 | 87001820 | 114.9E6  | 53.977  | 55.538 |
| 12)                         | B 4,4'-DDE      | 6.199 | 5.243 | 76912152 | 110.3E6  | 52.728  | 58.165 |
| 13)                         | MA Dieldrin     | 6.351 | 5.375 | 84506815 | 113.0E6  | 51.789  | 54.991 |
| 14)                         | MA Endrin       | 6.581 | 5.650 | 64439592 | 93282640 | 48.462  | 49.429 |
| 15)                         | B Endosulfa...  | 6.801 | 5.945 | 76223975 | 94211203 | 49.177  | 53.259 |
| 16)                         | A 4,4'-DDD      | 6.716 | 5.798 | 68567109 | 95877937 | 54.094  | 57.215 |
| 17)                         | MA 4,4'-DDT     | 7.030 | 6.049 | 60982034 | 75481955 | 46.489  | 46.977 |
| 18)                         | B Endrin al...  | 6.930 | 6.124 | 59604490 | 70173961 | 50.167  | 51.333 |
| 19)                         | B Endosulfa...  | 7.165 | 6.347 | 69055539 | 89173717 | 49.453  | 51.963 |
| 20)                         | A Methoxychlor  | 7.505 | 6.624 | 33198625 | 40304718 | 49.076  | 45.503 |
| 21)                         | B Endrin ke...  | 7.648 | 6.853 | 79100902 | 101.2E6  | 51.154m | 50.305 |
| 22)                         | Mirex           | 8.123 | 7.034 | 59060705 | 77600857 | 49.323  | 43.762 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091124\  
Data File : PL091663.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Sep 2024 15:17  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

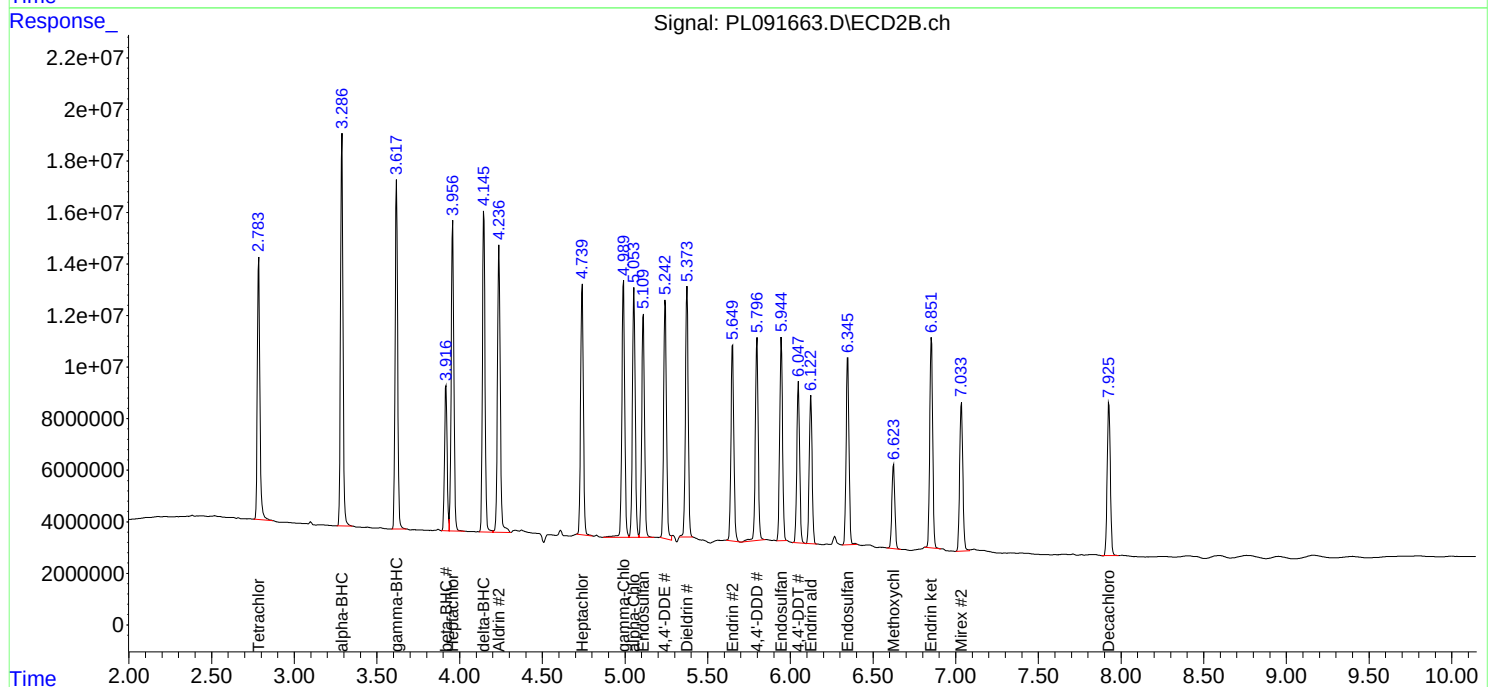
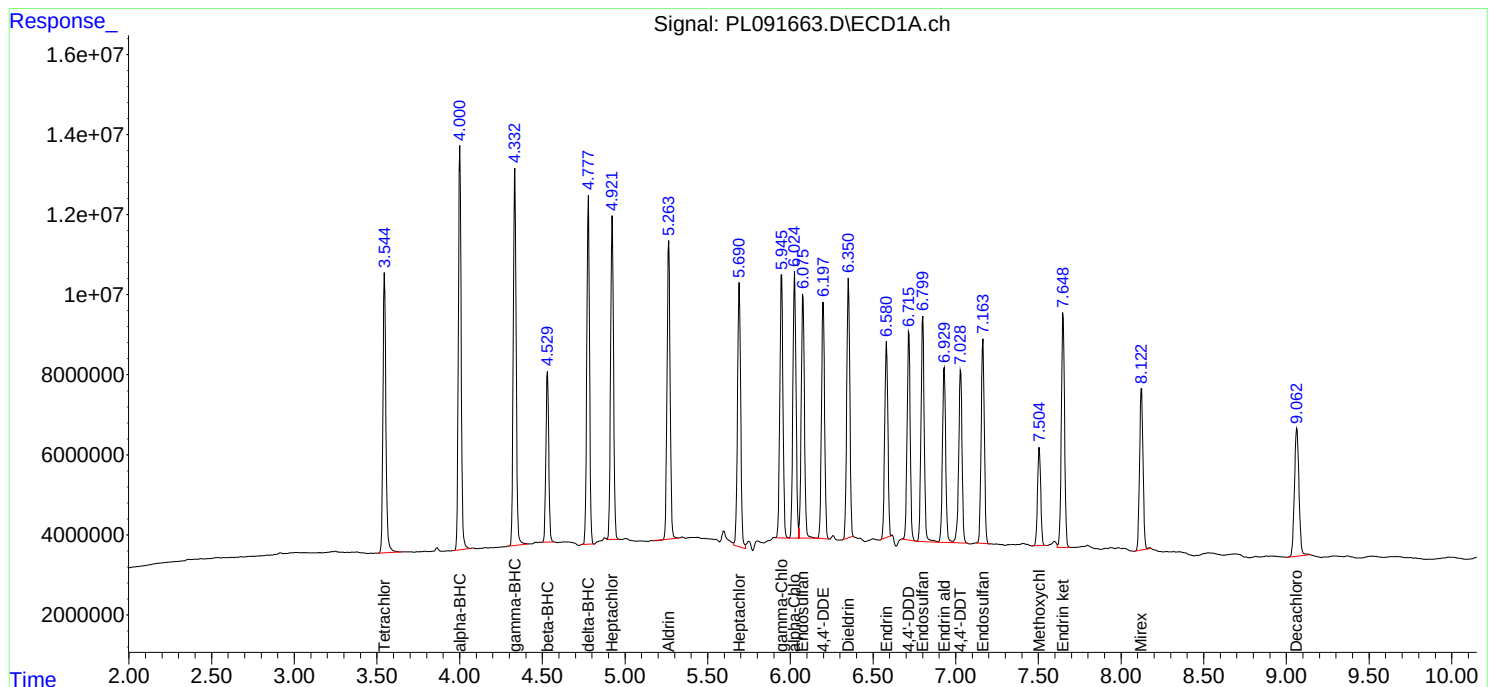
## APPROVED

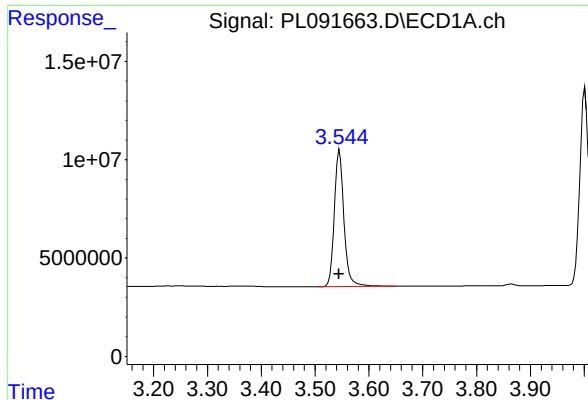
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 12 03:51:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





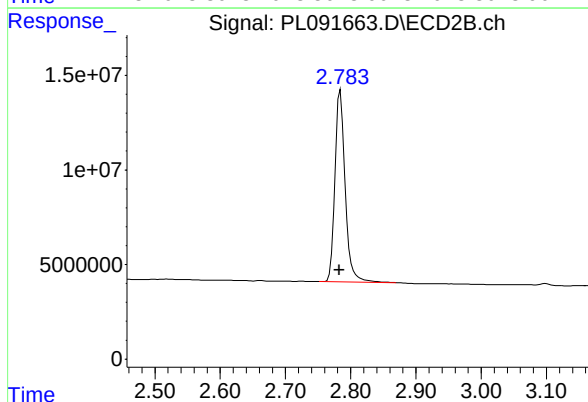
## #1 Tetrachloro-m-xylene

R.T.: 3.546 min  
Delta R.T.: 0.002 min  
Response: 86323103  
Conc: 55.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

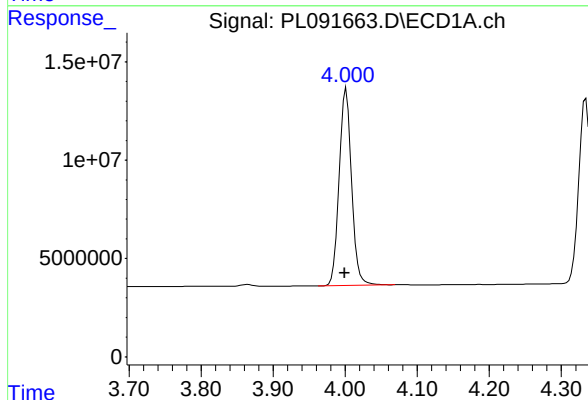
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



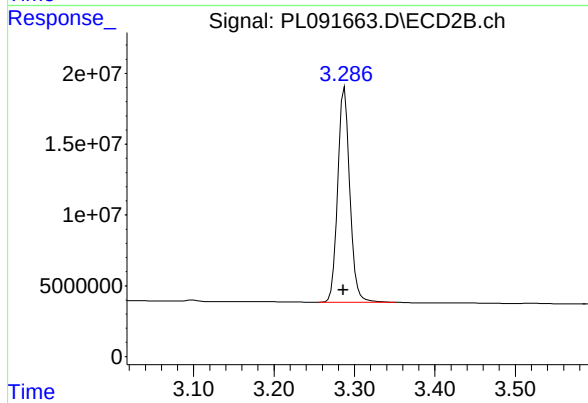
## #1 Tetrachloro-m-xylene

R.T.: 2.784 min  
Delta R.T.: 0.002 min  
Response: 110162882  
Conc: 58.90 ng/ml



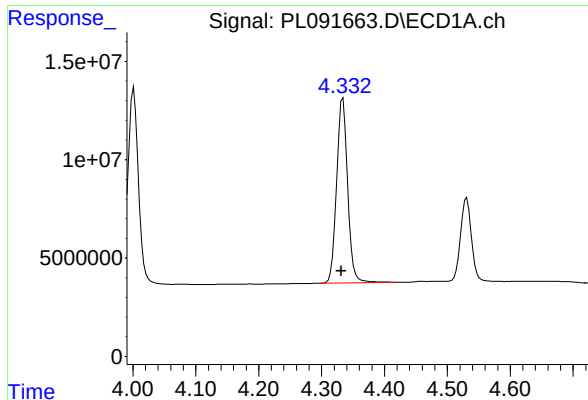
## #2 alpha-BHC

R.T.: 4.001 min  
Delta R.T.: 0.002 min  
Response: 119167132  
Conc: 55.17 ng/ml



## #2 alpha-BHC

R.T.: 3.288 min  
Delta R.T.: 0.002 min  
Response: 159015360  
Conc: 59.79 ng/ml



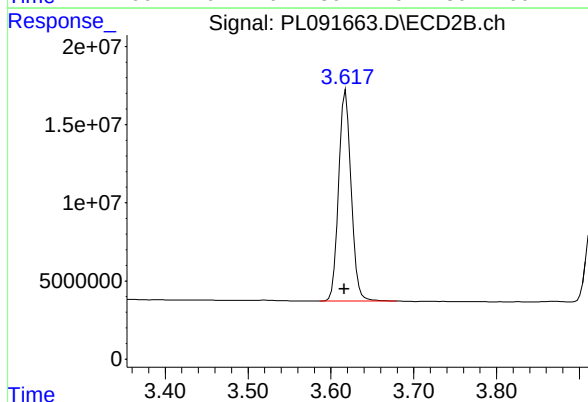
#3 gamma-BHC (Lindane)

R.T.: 4.334 min  
Delta R.T.: 0.002 min  
Response: 114436636  
Conc: 55.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

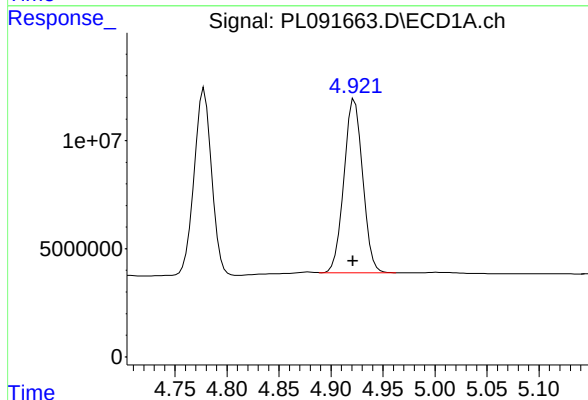
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



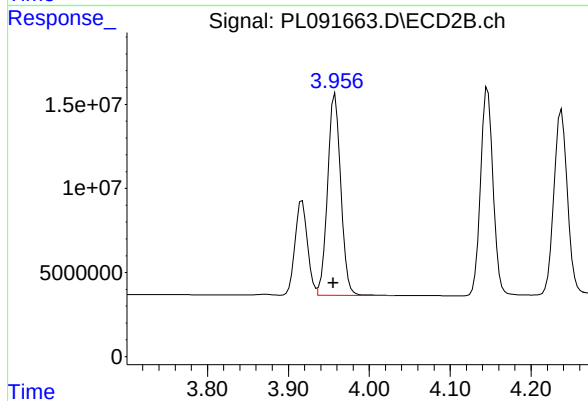
#3 gamma-BHC (Lindane)

R.T.: 3.618 min  
Delta R.T.: 0.002 min  
Response: 141372953  
Conc: 57.48 ng/ml



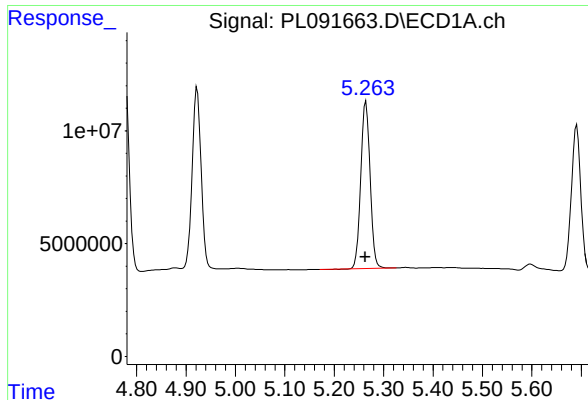
#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 101050750  
Conc: 53.95 ng/ml m



#4 Heptachlor

R.T.: 3.958 min  
Delta R.T.: 0.002 min  
Response: 136057164  
Conc: 56.49 ng/ml



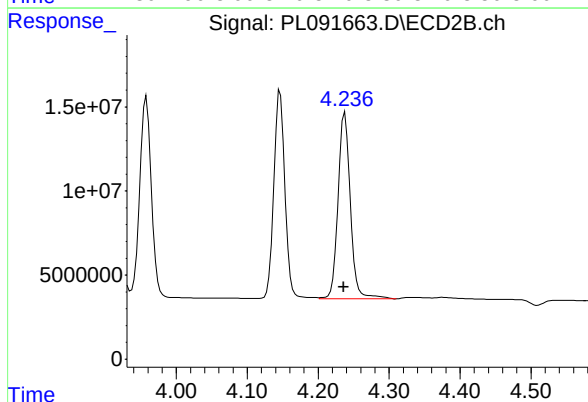
#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: 0.002 min  
Response: 97033204  
Conc: 52.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

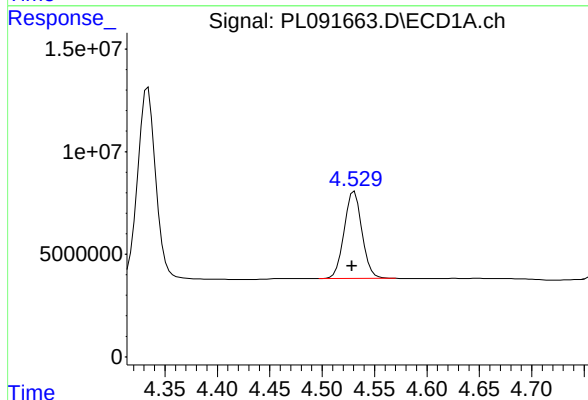
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



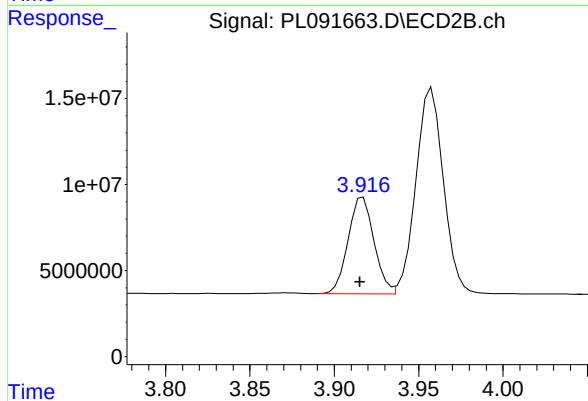
#5 Aldrin

R.T.: 4.238 min  
Delta R.T.: 0.002 min  
Response: 134105997  
Conc: 58.78 ng/ml



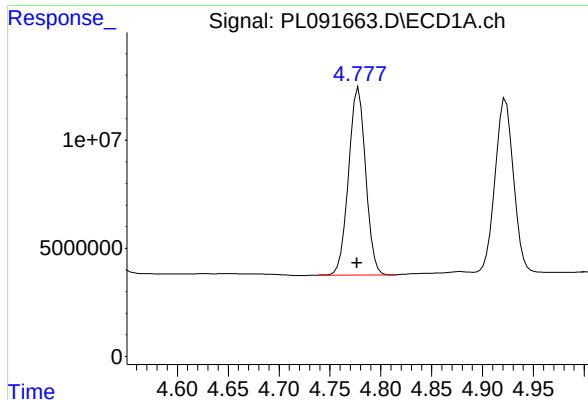
#6 beta-BHC

R.T.: 4.531 min  
Delta R.T.: 0.002 min  
Response: 50402418  
Conc: 55.39 ng/ml



#6 beta-BHC

R.T.: 3.917 min  
Delta R.T.: 0.002 min  
Response: 59919550  
Conc: 54.85 ng/ml



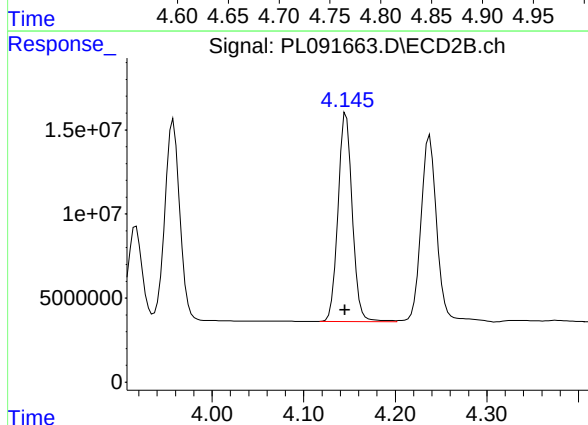
#7 delta-BHC

R.T.: 4.778 min  
Delta R.T.: 0.002 min  
Response: 101025909  
Conc: 52.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

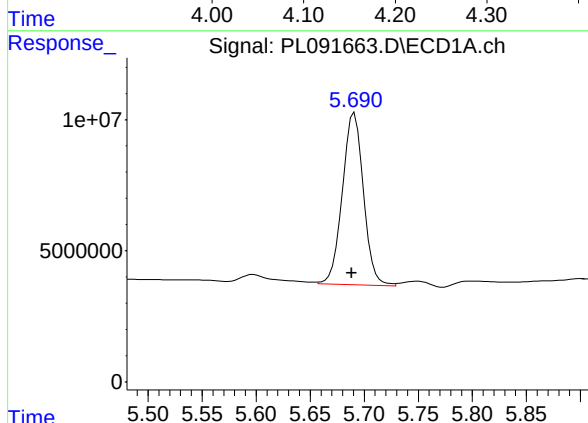
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



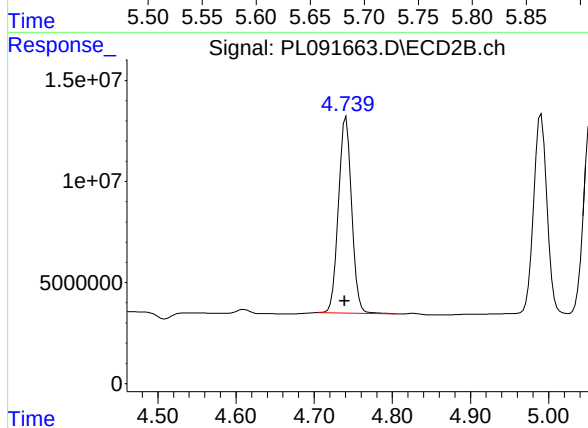
#7 delta-BHC

R.T.: 4.146 min  
Delta R.T.: 0.001 min  
Response: 134336793  
Conc: 58.39 ng/ml



#8 Heptachlor epoxide

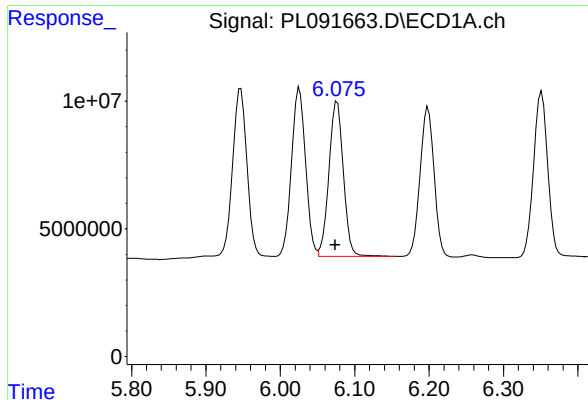
R.T.: 5.691 min  
Delta R.T.: 0.002 min  
Response: 89118646  
Conc: 53.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.741 min  
Delta R.T.: 0.002 min  
Response: 113796986  
Conc: 53.99 ng/ml





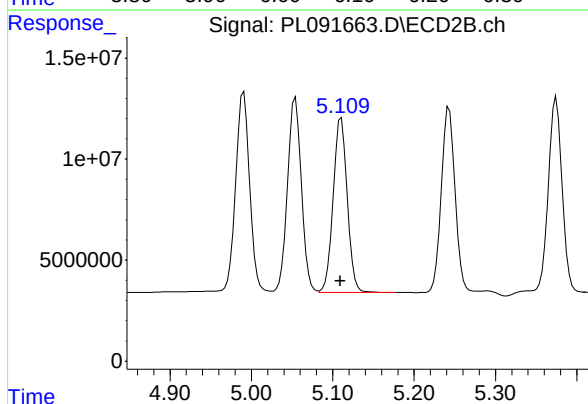
## #9 Endosulfan I

R.T.: 6.076 min  
Delta R.T.: 0.002 min  
Response: 82214759  
Conc: 52.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

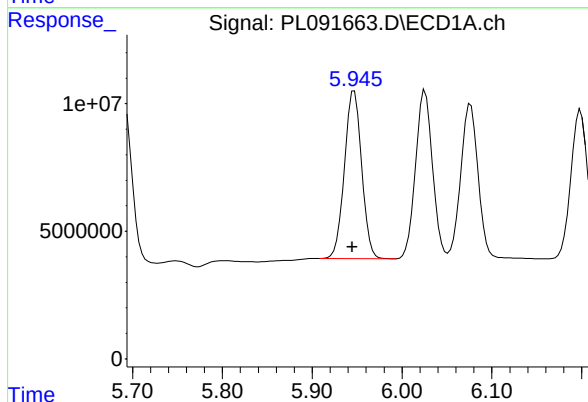
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



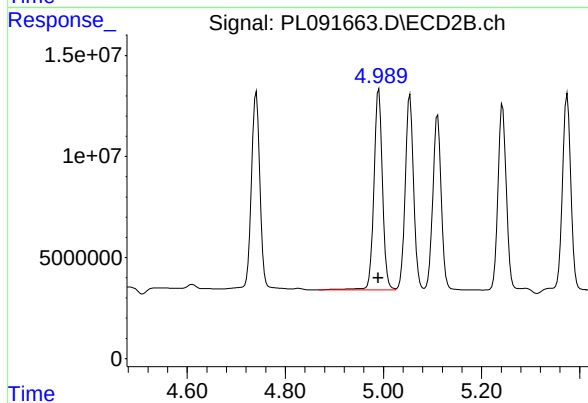
## #9 Endosulfan I

R.T.: 5.110 min  
Delta R.T.: 0.001 min  
Response: 103862421  
Conc: 53.83 ng/ml



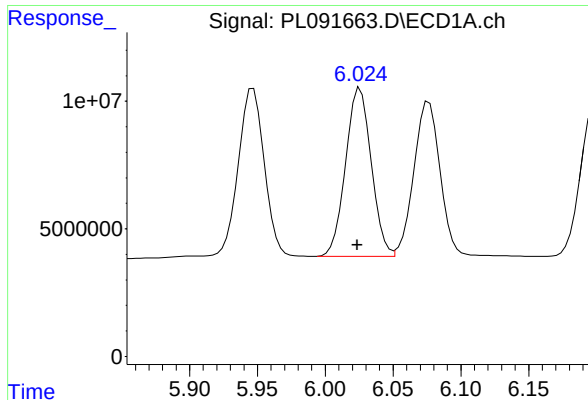
## #10 gamma-Chlordane

R.T.: 5.947 min  
Delta R.T.: 0.002 min  
Response: 87507680  
Conc: 52.38 ng/ml



## #10 gamma-Chlordane

R.T.: 4.991 min  
Delta R.T.: 0.001 min  
Response: 121569340  
Conc: 55.12 ng/ml



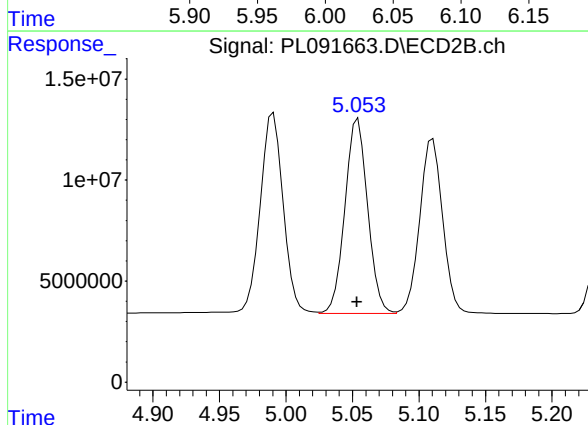
#11 alpha-Chlordane

R.T.: 6.026 min  
Delta R.T.: 0.002 min  
Response: 87001820  
Conc: 53.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

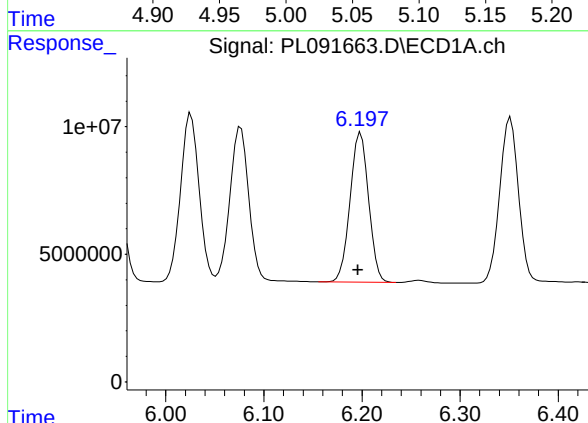
Manual Integrations  
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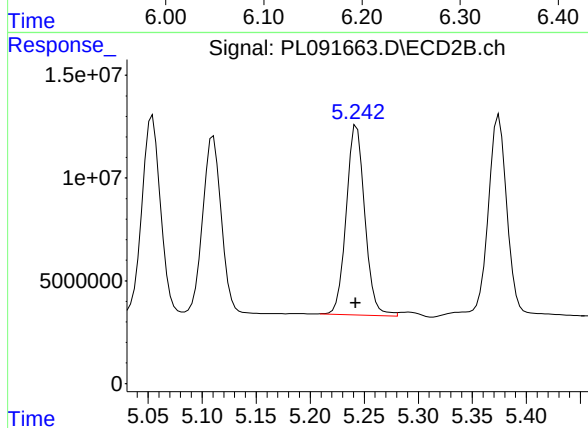
#11 alpha-Chlordane

R.T.: 5.054 min  
Delta R.T.: 0.000 min  
Response: 114907727  
Conc: 55.54 ng/ml



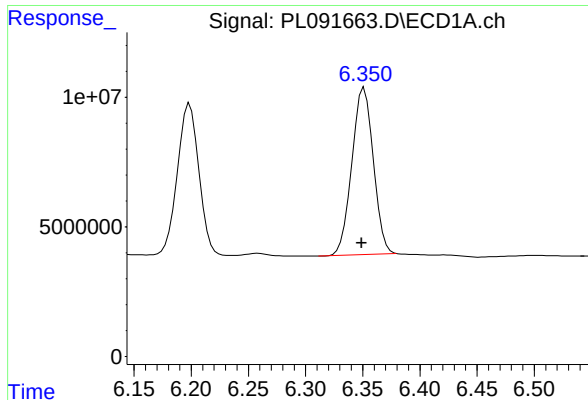
#12 4,4'-DDE

R.T.: 6.199 min  
Delta R.T.: 0.003 min  
Response: 76912152  
Conc: 52.73 ng/ml



#12 4,4'-DDE

R.T.: 5.243 min  
Delta R.T.: 0.001 min  
Response: 110322557  
Conc: 58.17 ng/ml



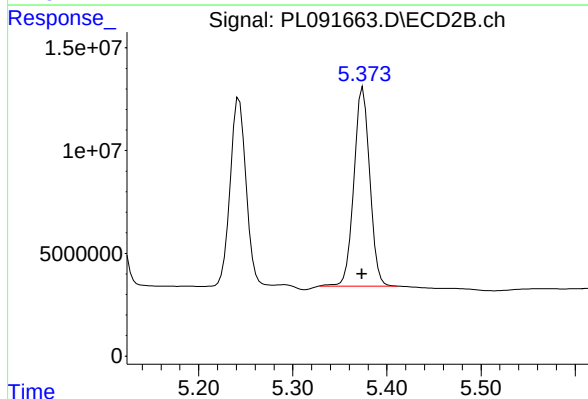
#13 Dieldrin

R.T.: 6.351 min  
Delta R.T.: 0.002 min  
Response: 84506815  
Conc: 51.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

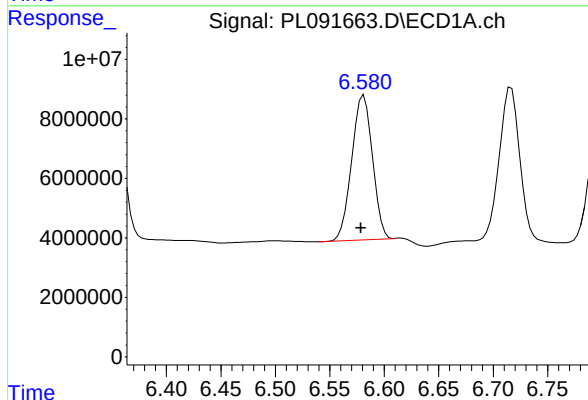
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



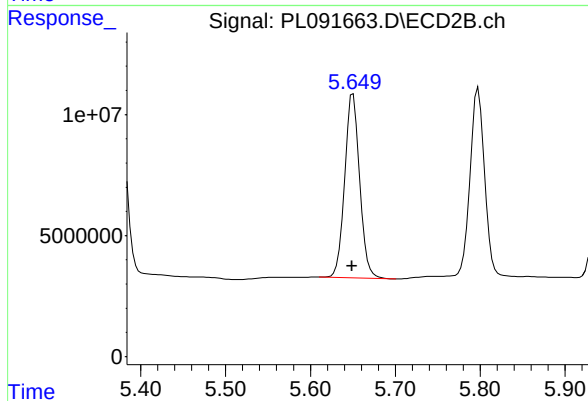
#13 Dieldrin

R.T.: 5.375 min  
Delta R.T.: 0.001 min  
Response: 113029963  
Conc: 54.99 ng/ml



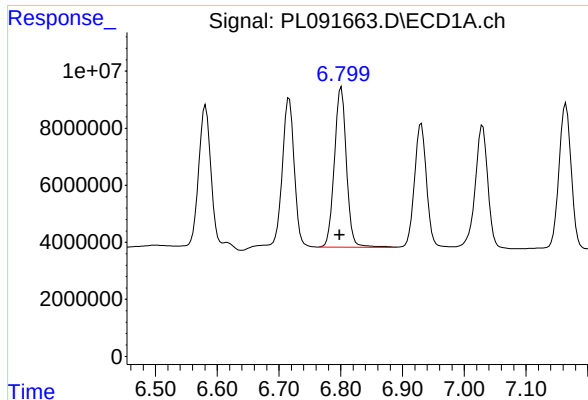
#14 Endrin

R.T.: 6.581 min  
Delta R.T.: 0.003 min  
Response: 64439592  
Conc: 48.46 ng/ml



#14 Endrin

R.T.: 5.650 min  
Delta R.T.: 0.001 min  
Response: 93282640  
Conc: 49.43 ng/ml



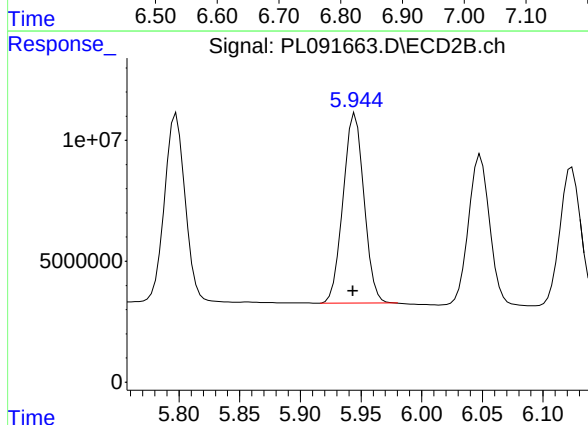
## #15 Endosulfan II

R.T.: 6.801 min  
Delta R.T.: 0.003 min  
Response: 76223975  
Conc: 49.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

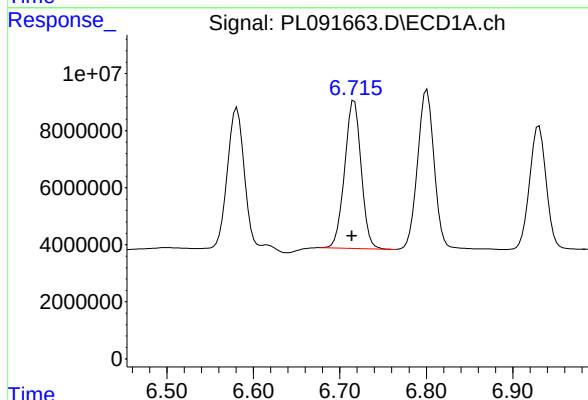
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



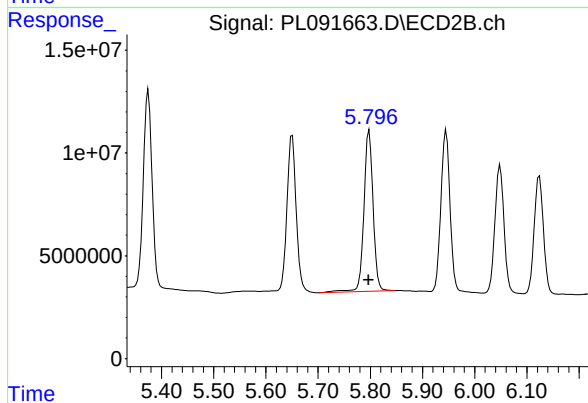
## #15 Endosulfan II

R.T.: 5.945 min  
Delta R.T.: 0.002 min  
Response: 94211203  
Conc: 53.26 ng/ml



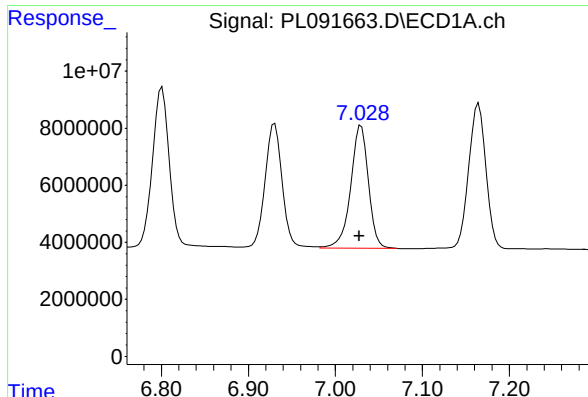
## #16 4,4'-DDD

R.T.: 6.716 min  
Delta R.T.: 0.002 min  
Response: 68567109  
Conc: 54.09 ng/ml



## #16 4,4'-DDD

R.T.: 5.798 min  
Delta R.T.: 0.001 min  
Response: 95877937  
Conc: 57.21 ng/ml



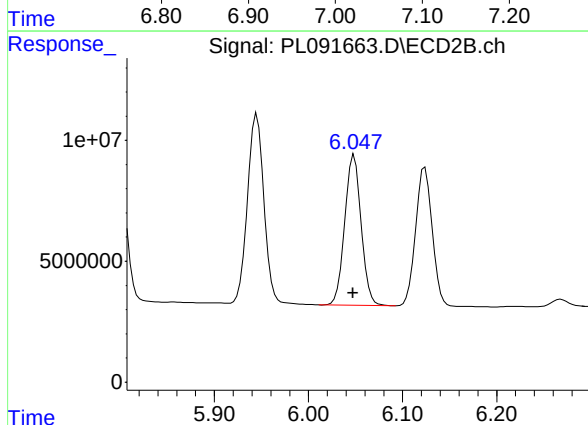
#17 4,4'-DDT

R.T.: 7.030 min  
Delta R.T.: 0.002 min  
Response: 60982034  
Conc: 46.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

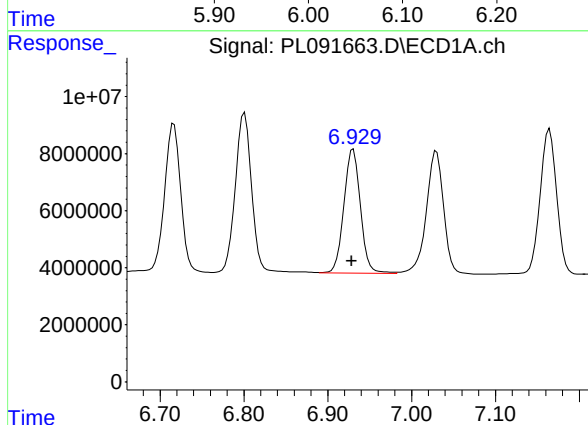
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



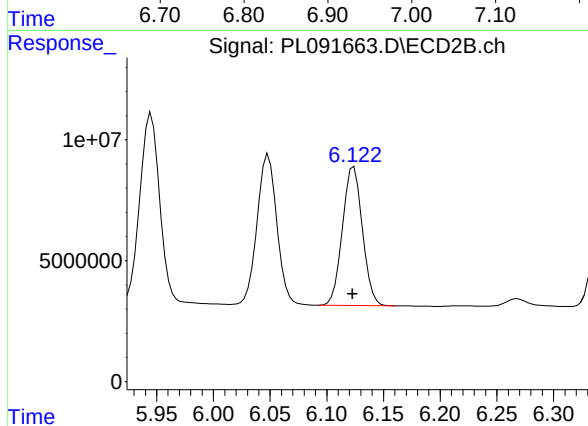
#17 4,4'-DDT

R.T.: 6.049 min  
Delta R.T.: 0.001 min  
Response: 75481955  
Conc: 46.98 ng/ml



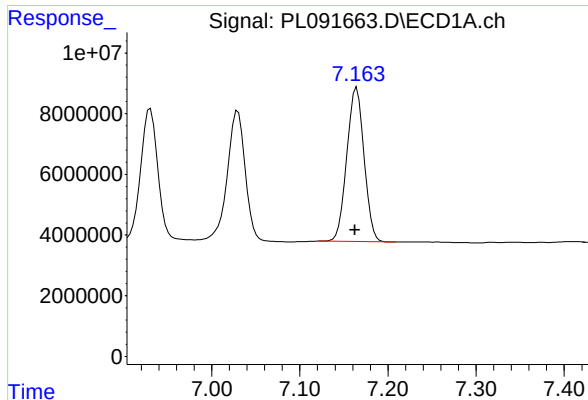
#18 Endrin aldehyde

R.T.: 6.930 min  
Delta R.T.: 0.002 min  
Response: 59604490  
Conc: 50.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.124 min  
Delta R.T.: 0.001 min  
Response: 70173961  
Conc: 51.33 ng/ml



## #19 Endosulfan Sulfate

R.T.: 7.165 min  
Delta R.T.: 0.002 min  
Response: 69055539  
Conc: 49.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024

## #19 Endosulfan Sulfate

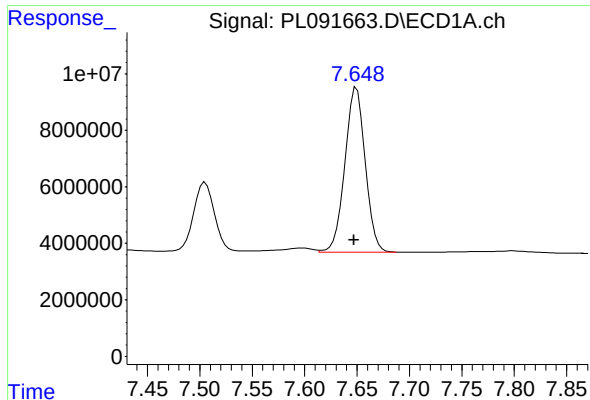
R.T.: 6.347 min  
Delta R.T.: 0.001 min  
Response: 89173717  
Conc: 51.96 ng/ml

## #20 Methoxychlor

R.T.: 7.505 min  
Delta R.T.: 0.002 min  
Response: 33198625  
Conc: 49.08 ng/ml

## #20 Methoxychlor

R.T.: 6.624 min  
Delta R.T.: 0.001 min  
Response: 40304718  
Conc: 45.50 ng/ml



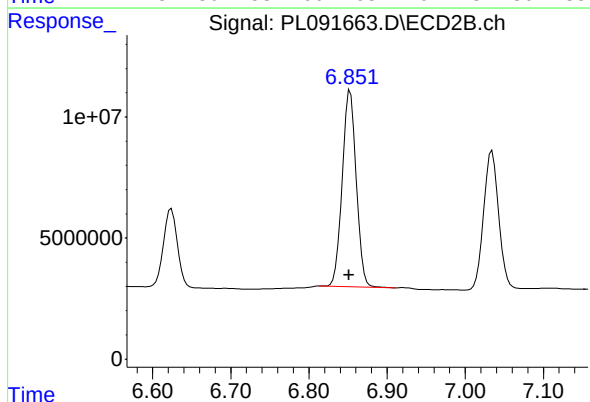
#21 Endrin ketone

R.T.: 7.648 min  
Delta R.T.: 0.001 min  
Response: 79100902  
Conc: 51.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

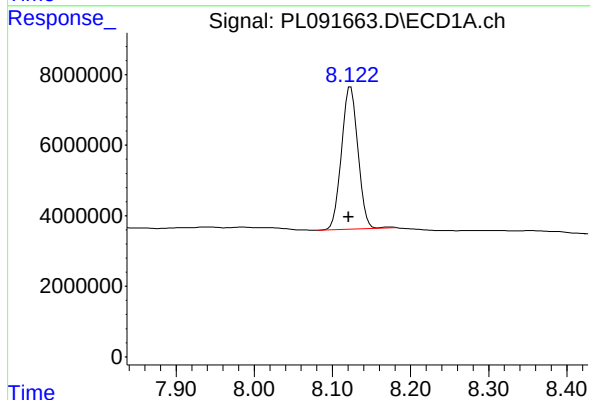
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



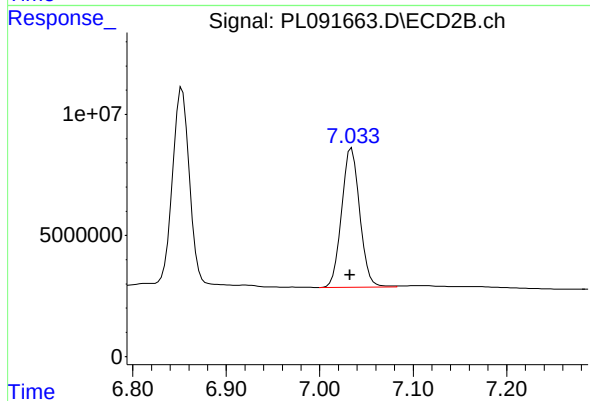
#21 Endrin ketone

R.T.: 6.853 min  
Delta R.T.: 0.002 min  
Response: 101183724  
Conc: 50.31 ng/ml



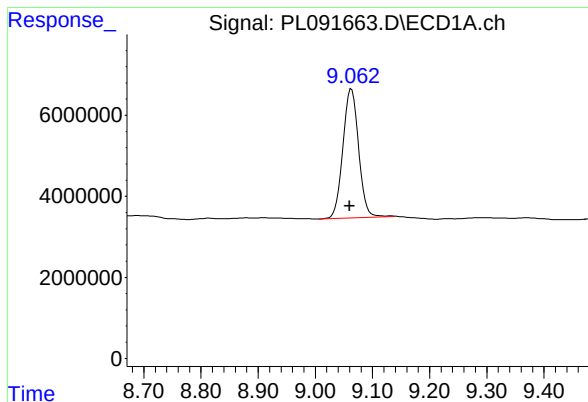
#22 Mirex

R.T.: 8.123 min  
Delta R.T.: 0.003 min  
Response: 59060705  
Conc: 49.32 ng/ml



#22 Mirex

R.T.: 7.034 min  
Delta R.T.: 0.002 min  
Response: 77600857  
Conc: 43.76 ng/ml



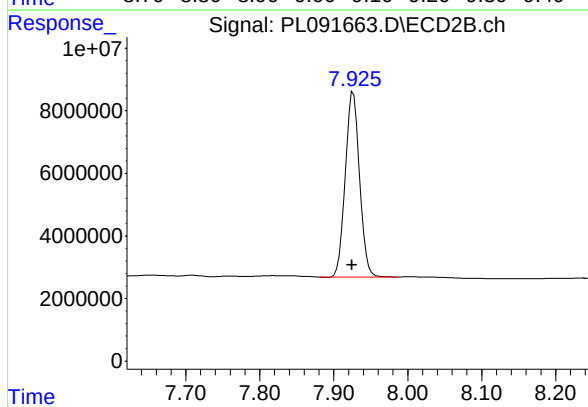
#28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: 0.003 min  
Response: 61002468  
Conc: 50.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



#28 Decachlorobiphenyl

R.T.: 7.926 min  
Delta R.T.: 0.002 min  
Response: 79283774  
Conc: 42.94 ng/ml





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

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 09:55 Initial Calibration Time(s): 11:32 12:26

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 4.00      | 3.90      | 4.10 | 0.00       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.78       | 4.78      | 4.68      | 4.88 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.69      | 5.59      | 5.79 | 0.00       |
| Endosulfan I         | 6.08       | 6.08      | 5.98      | 6.18 | 0.01       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Endrin               | 6.58       | 6.58      | 6.48      | 6.68 | 0.00       |
| Endosulfan II        | 6.80       | 6.80      | 6.70      | 6.90 | 0.00       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.03      | 6.93      | 7.13 | 0.00       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.65       | 7.65      | 7.55      | 7.75 | 0.00       |
| Endrin aldehyde      | 6.93       | 6.93      | 6.83      | 7.03 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.95      | 5.85      | 6.05 | 0.01       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 09:55 Initial Calibration Time(s): 11:32 12:26

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.29       | 3.29      | 3.19      | 3.39 | 0.00       |
| beta-BHC             | 3.92       | 3.92      | 3.82      | 4.02 | 0.01       |
| delta-BHC            | 4.14       | 4.15      | 4.05      | 4.25 | 0.01       |
| gamma-BHC (Lindane)  | 3.62       | 3.62      | 3.52      | 3.72 | 0.00       |
| Heptachlor           | 3.96       | 3.96      | 3.86      | 4.06 | 0.00       |
| Aldrin               | 4.23       | 4.24      | 4.14      | 4.34 | 0.01       |
| Heptachlor epoxide   | 4.74       | 4.74      | 4.64      | 4.84 | 0.00       |
| Endosulfan I         | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Endrin               | 5.65       | 5.65      | 5.55      | 5.75 | 0.00       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.80       | 5.80      | 5.70      | 5.90 | 0.00       |
| Endosulfan sulfate   | 6.35       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDT             | 6.05       | 6.05      | 5.95      | 6.15 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL05 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL091993.D Time Analyzed: 09:55

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.713 | 6.614     | 6.814 | 49.080             | 50.000            | -1.8 |
| 4,4'-DDE             | 6.197 | 6.097     | 6.297 | 49.880             | 50.000            | -0.2 |
| 4,4'-DDT             | 7.028 | 6.928     | 7.128 | 50.470             | 50.000            | 0.9  |
| Aldrin               | 5.263 | 5.163     | 5.363 | 48.030             | 50.000            | -3.9 |
| alpha-BHC            | 4.000 | 3.899     | 4.099 | 51.420             | 50.000            | 2.8  |
| alpha-Chlordane      | 6.024 | 5.924     | 6.124 | 51.690             | 50.000            | 3.4  |
| beta-BHC             | 4.529 | 4.429     | 4.629 | 51.220             | 50.000            | 2.4  |
| Decachlorobiphenyl   | 9.060 | 8.960     | 9.160 | 49.940             | 50.000            | -0.1 |
| delta-BHC            | 4.777 | 4.677     | 4.877 | 49.180             | 50.000            | -1.6 |
| Dieldrin             | 6.350 | 6.249     | 6.449 | 49.310             | 50.000            | -1.4 |
| Endosulfan I         | 6.075 | 5.975     | 6.175 | 50.800             | 50.000            | 1.6  |
| Endosulfan II        | 6.799 | 6.698     | 6.898 | 47.880             | 50.000            | -4.2 |
| Endosulfan sulfate   | 7.163 | 7.063     | 7.263 | 49.070             | 50.000            | -1.9 |
| Endrin               | 6.578 | 6.479     | 6.679 | 49.660             | 50.000            | -0.7 |
| Endrin aldehyde      | 6.929 | 6.828     | 7.028 | 47.130             | 50.000            | -5.7 |
| Endrin ketone        | 7.648 | 7.548     | 7.748 | 48.800             | 50.000            | -2.4 |
| gamma-BHC (Lindane)  | 4.332 | 4.232     | 4.432 | 49.240             | 50.000            | -1.5 |
| gamma-Chlordane      | 5.944 | 5.845     | 6.045 | 50.040             | 50.000            | 0.1  |
| Heptachlor           | 4.921 | 4.820     | 5.020 | 50.530             | 50.000            | 1.1  |
| Heptachlor epoxide   | 5.688 | 5.589     | 5.789 | 48.640             | 50.000            | -2.7 |
| Methoxychlor         | 7.503 | 7.404     | 7.604 | 50.260             | 50.000            | 0.5  |
| Tetrachloro-m-xylene | 3.544 | 3.444     | 3.644 | 51.270             | 50.000            | 2.5  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL05 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL091993.D Time Analyzed: 09:55

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.796 | 5.696     | 5.896 | 53.790             | 50.000            | 7.6  |
| 4,4'-DDE             | 5.239 | 5.141     | 5.341 | 52.980             | 50.000            | 6.0  |
| 4,4'-DDT             | 6.046 | 5.946     | 6.146 | 53.150             | 50.000            | 6.3  |
| Aldrin               | 4.234 | 4.135     | 4.335 | 51.260             | 50.000            | 2.5  |
| alpha-BHC            | 3.286 | 3.186     | 3.386 | 55.220             | 50.000            | 10.4 |
| alpha-Chlordane      | 5.052 | 4.952     | 5.152 | 53.200             | 50.000            | 6.4  |
| beta-BHC             | 3.915 | 3.815     | 4.015 | 53.510             | 50.000            | 7.0  |
| Decachlorobiphenyl   | 7.922 | 7.823     | 8.023 | 49.950             | 50.000            | -0.1 |
| delta-BHC            | 4.144 | 4.045     | 4.245 | 52.750             | 50.000            | 5.5  |
| Dieldrin             | 5.372 | 5.272     | 5.472 | 53.080             | 50.000            | 6.2  |
| Endosulfan I         | 5.108 | 5.008     | 5.208 | 51.010             | 50.000            | 2.0  |
| Endosulfan II        | 5.941 | 5.842     | 6.042 | 53.090             | 50.000            | 6.2  |
| Endosulfan sulfate   | 6.345 | 6.244     | 6.444 | 52.040             | 50.000            | 4.1  |
| Endrin               | 5.648 | 5.548     | 5.748 | 52.940             | 50.000            | 5.9  |
| Endrin aldehyde      | 6.122 | 6.022     | 6.222 | 49.300             | 50.000            | -1.4 |
| Endrin ketone        | 6.848 | 6.750     | 6.950 | 52.990             | 50.000            | 6.0  |
| gamma-BHC (Lindane)  | 3.616 | 3.516     | 3.716 | 53.560             | 50.000            | 7.1  |
| gamma-Chlordane      | 4.988 | 4.888     | 5.088 | 53.940             | 50.000            | 7.9  |
| Heptachlor           | 3.956 | 3.855     | 4.055 | 54.110             | 50.000            | 8.2  |
| Heptachlor epoxide   | 4.738 | 4.638     | 4.838 | 51.480             | 50.000            | 3.0  |
| Methoxychlor         | 6.621 | 6.521     | 6.721 | 50.860             | 50.000            | 1.7  |
| Tetrachloro-m-xylene | 2.783 | 2.682     | 2.882 | 53.300             | 50.000            | 6.6  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
 Data File : PL091993.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Sep 2024 09:55  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 25 01:16:54 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 16:44:57 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 114.1E6  | 133.7E6  | 51.270  | 53.302  |
| 28)                         | SA Decachlor... | 9.060 | 7.922 | 81807745 | 125.0E6  | 49.937  | 49.950  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.000 | 3.286 | 159.2E6  | 201.2E6  | 51.425  | 55.221  |
| 3)                          | MA gamma-BHC... | 4.332 | 3.616 | 152.6E6  | 189.1E6  | 49.240  | 53.565  |
| 4)                          | MA Heptachlor   | 4.921 | 3.956 | 139.8E6  | 186.7E6  | 50.534  | 54.105  |
| 5)                          | MB Aldrin       | 5.263 | 4.234 | 133.4E6  | 174.4E6  | 48.034  | 51.264m |
| 6)                          | B beta-BHC      | 4.529 | 3.915 | 67934055 | 80423735 | 51.218  | 53.505  |
| 7)                          | B delta-BHC     | 4.777 | 4.144 | 141.8E6  | 183.1E6  | 49.182  | 52.753  |
| 8)                          | B Heptachlo...  | 5.688 | 4.738 | 123.8E6  | 155.6E6  | 48.645m | 51.480  |
| 9)                          | A Endosulfan I  | 6.075 | 5.108 | 117.5E6  | 140.0E6  | 50.801  | 51.007  |
| 10)                         | B gamma-Chl...  | 5.944 | 4.988 | 123.7E6  | 162.3E6  | 50.041m | 53.940  |
| 11)                         | B alpha-Chl...  | 6.024 | 5.052 | 127.3E6  | 159.3E6  | 51.692  | 53.204  |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.239 | 108.0E6  | 147.2E6  | 49.877  | 52.979m |
| 13)                         | MA Dieldrin     | 6.350 | 5.372 | 120.3E6  | 155.6E6  | 49.313  | 53.080  |
| 14)                         | MA Endrin       | 6.578 | 5.648 | 102.3E6  | 138.8E6  | 49.662m | 52.944  |
| 15)                         | B Endosulfa...  | 6.799 | 5.941 | 105.3E6  | 132.8E6  | 47.877  | 53.088m |
| 16)                         | A 4,4'-DDD      | 6.713 | 5.796 | 88137509 | 114.9E6  | 49.082m | 53.791  |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.046 | 92922344 | 122.9E6  | 50.468  | 53.152  |
| 18)                         | B Endrin al...  | 6.929 | 6.122 | 82134972 | 100.6E6  | 47.129  | 49.299  |
| 19)                         | B Endosulfa...  | 7.163 | 6.345 | 97261747 | 125.5E6  | 49.066  | 52.041  |
| 20)                         | A Methoxychlor  | 7.503 | 6.621 | 49342488 | 63596858 | 50.262m | 50.863  |
| 21)                         | B Endrin ke...  | 7.648 | 6.848 | 107.3E6  | 146.7E6  | 48.805  | 52.986m |
| 22)                         | Mirex           | 8.121 | 7.031 | 84055062 | 116.1E6  | 46.671  | 47.717  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL091993.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 09:55  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

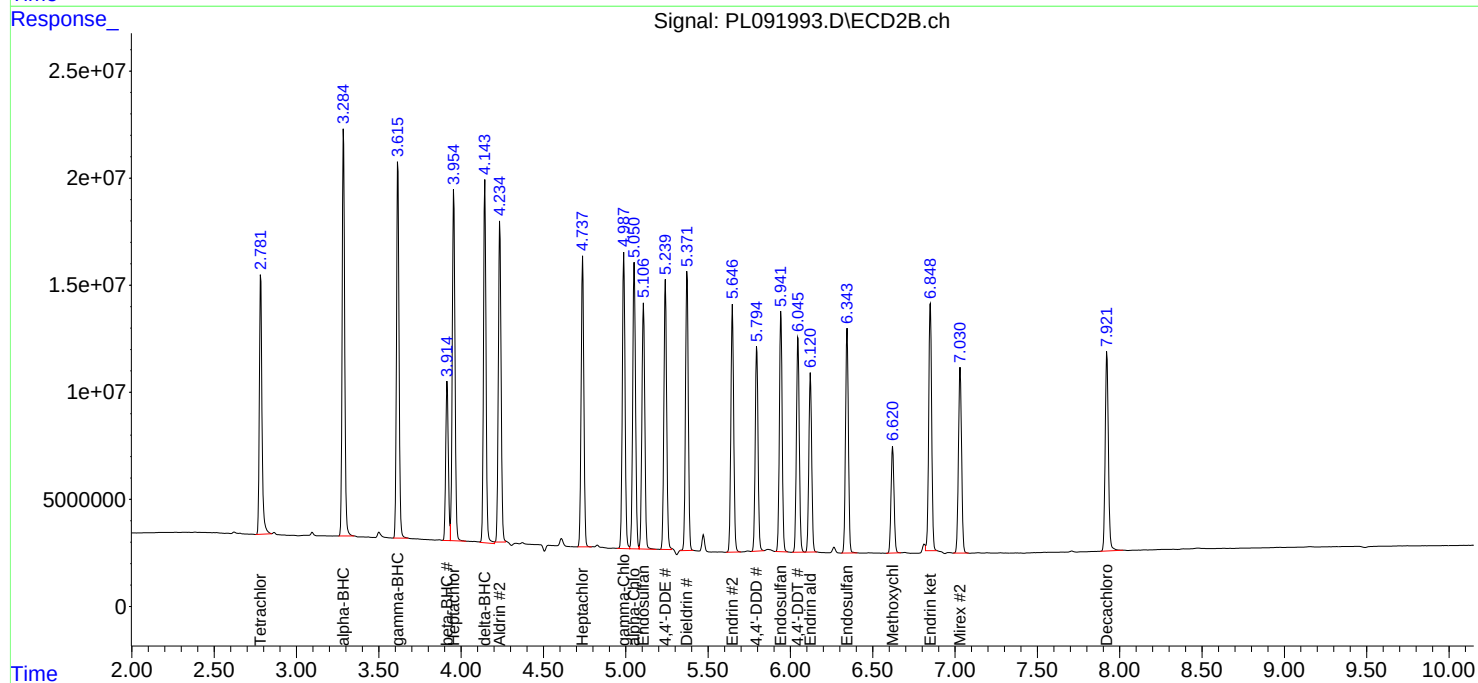
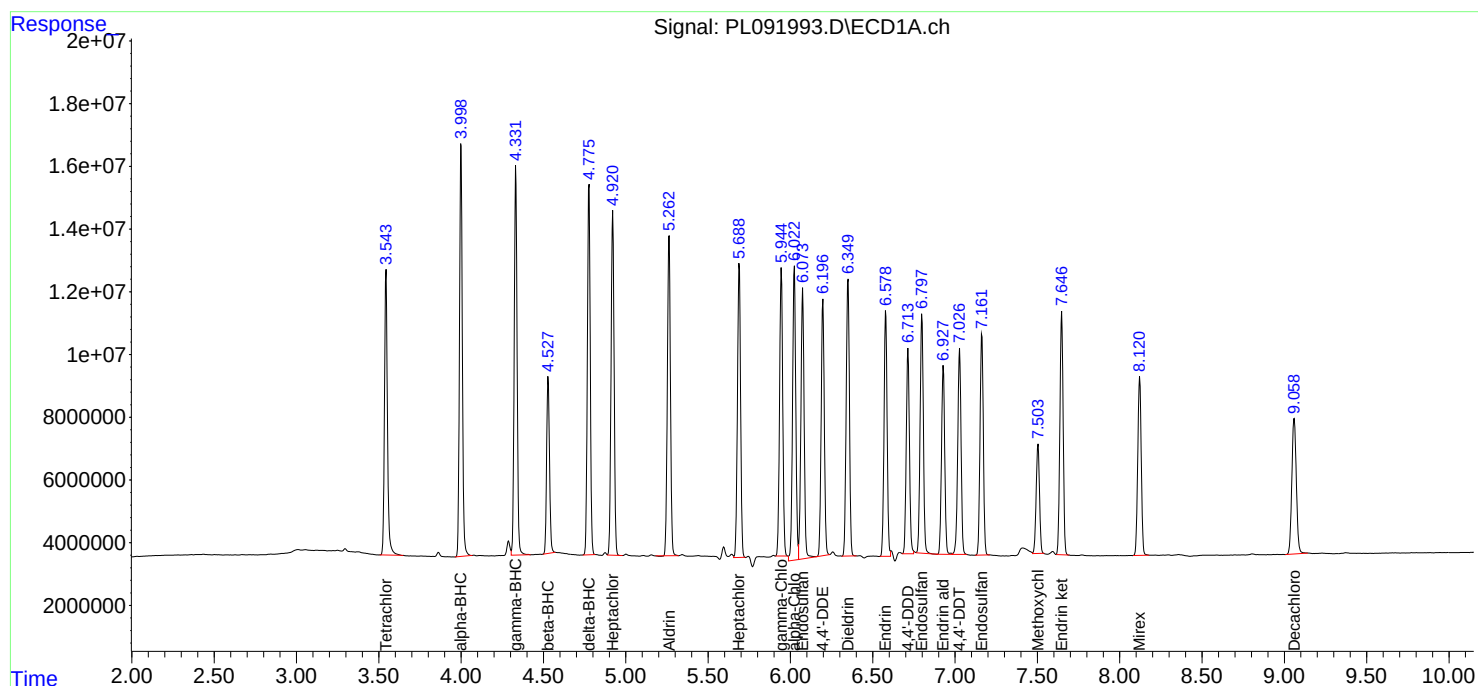
## APPROVED

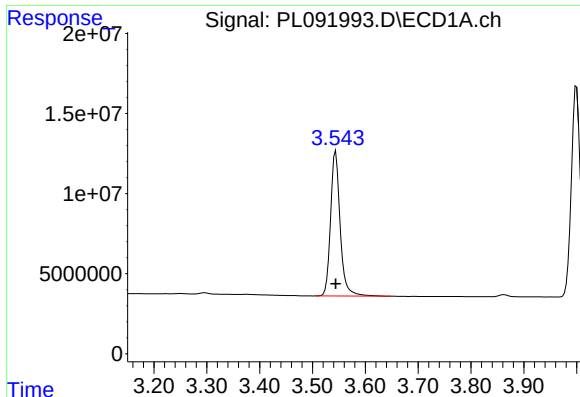
Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:16:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





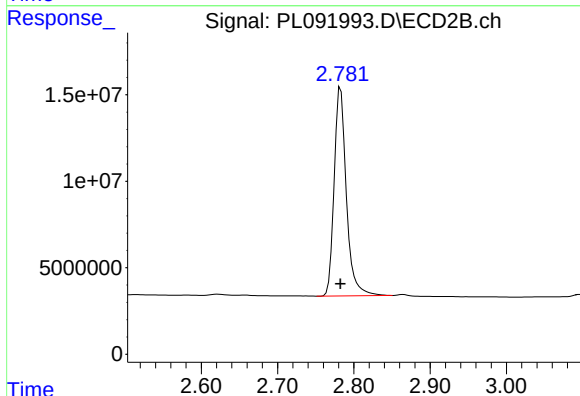
## #1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 114059206  
Conc: 51.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

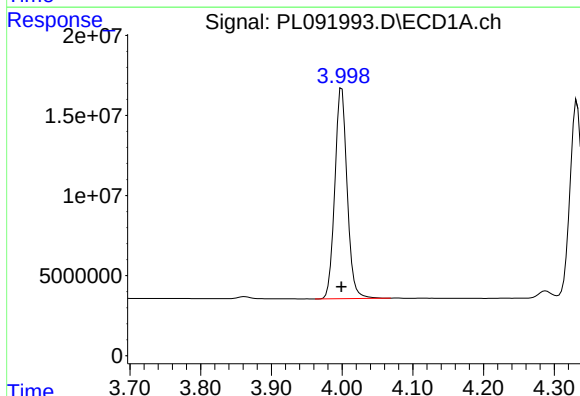
**Manual Integrations  
APPROVED**

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



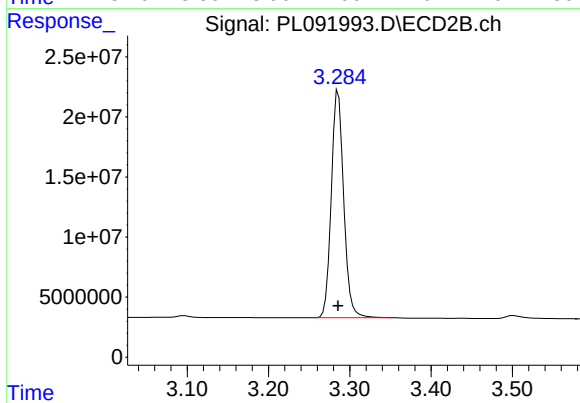
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 133686280  
Conc: 53.30 ng/ml



## #2 alpha-BHC

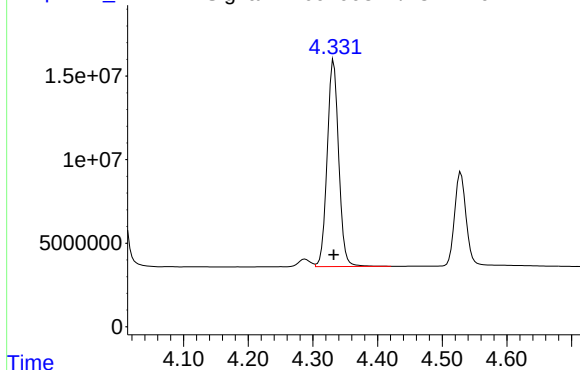
R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 159236956  
Conc: 51.42 ng/ml



## #2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 201187847  
Conc: 55.22 ng/ml

Response\_ Signal: PL091993.D\ECD1A.ch



#3 gamma-BHC (Lindane)

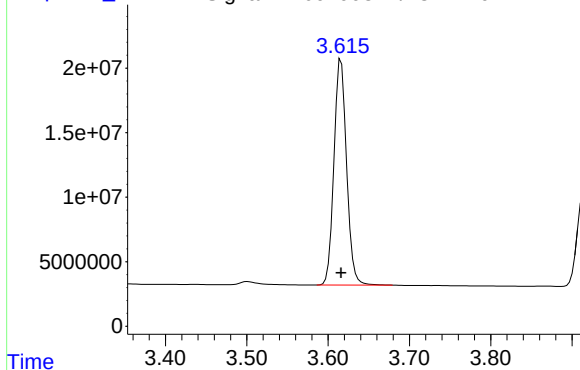
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 152584638  
Conc: 49.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024

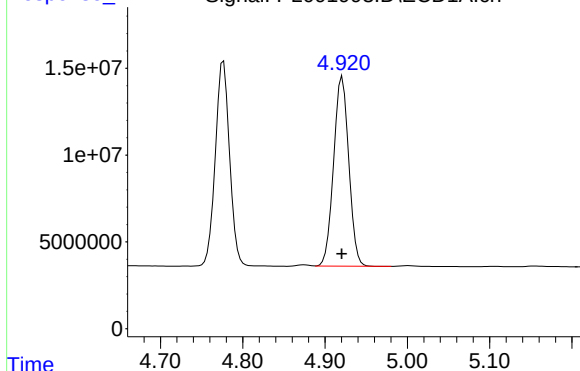
Time Response\_ Signal: PL091993.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 189136126  
Conc: 53.56 ng/ml

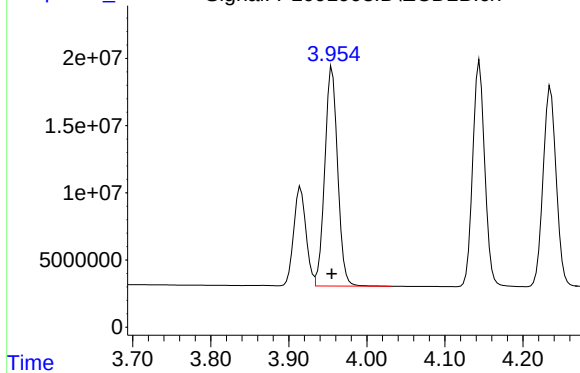
Time Response\_ Signal: PL091993.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 139750630  
Conc: 50.53 ng/ml

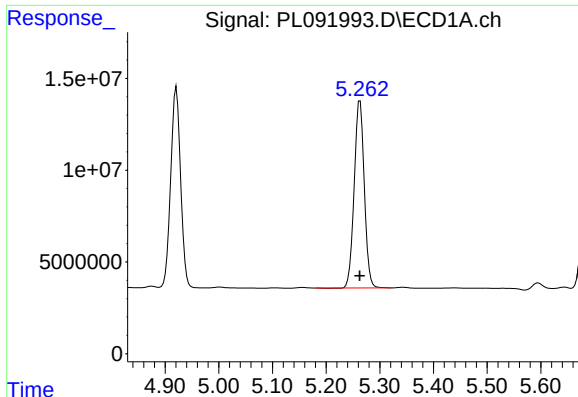
Time Response\_ Signal: PL091993.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.956 min  
Delta R.T.: 0.000 min  
Response: 186696932  
Conc: 54.11 ng/ml





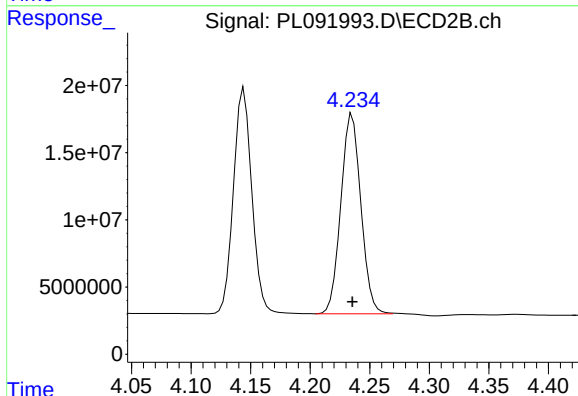
#5 Aldrin

R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 133419524  
Conc: 48.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

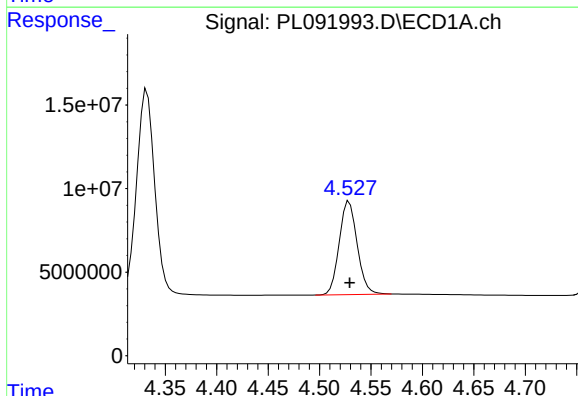
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



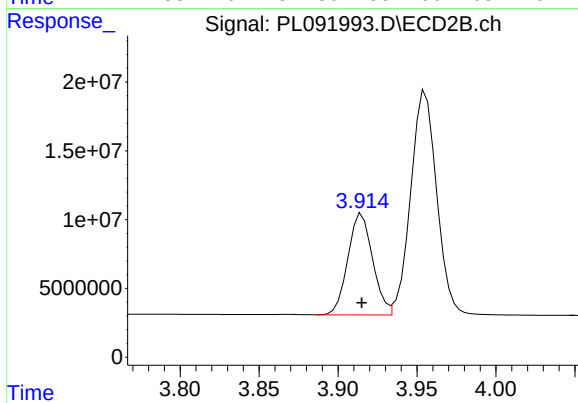
#5 Aldrin

R.T.: 4.234 min  
Delta R.T.: -0.001 min  
Response: 174353008  
Conc: 51.26 ng/ml m



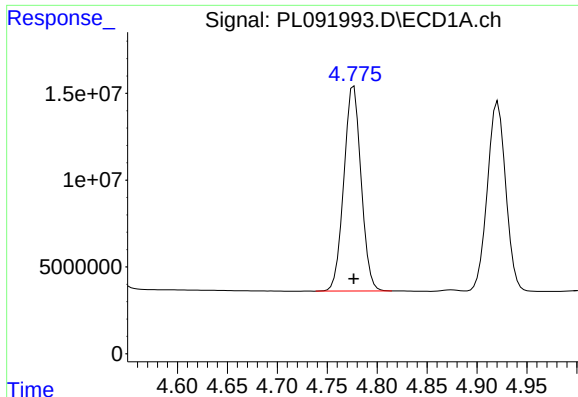
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 67934055  
Conc: 51.22 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 80423735  
Conc: 53.51 ng/ml



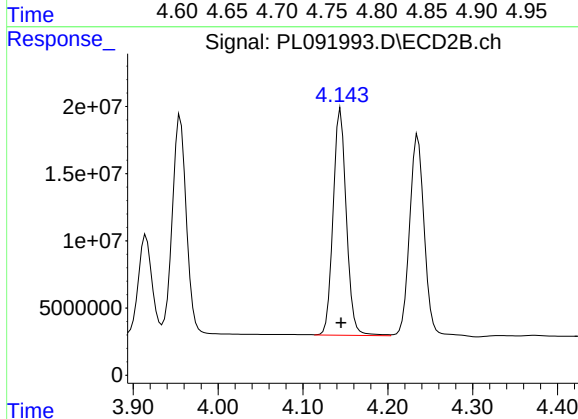
#7 delta-BHC

R.T.: 4.777 min  
Delta R.T.: 0.000 min  
Response: 141849880  
Conc: 49.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

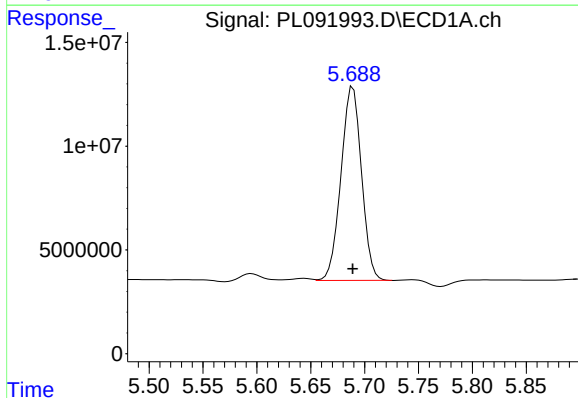
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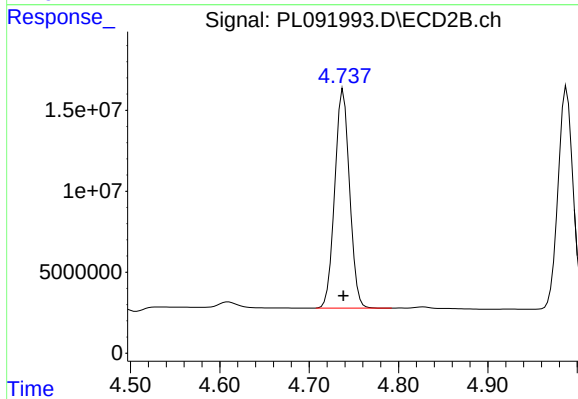
#7 delta-BHC

R.T.: 4.144 min  
Delta R.T.: 0.000 min  
Response: 183142531  
Conc: 52.75 ng/ml



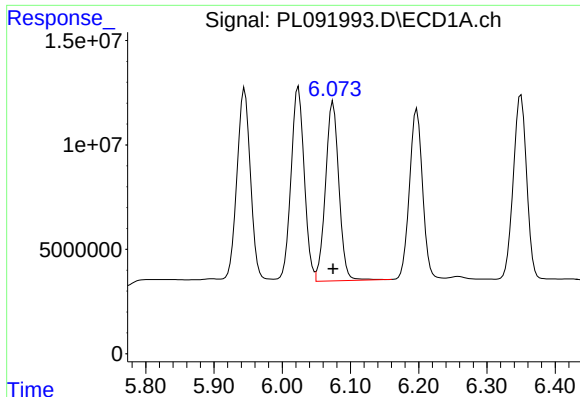
#8 Heptachlor epoxide

R.T.: 5.688 min  
Delta R.T.: 0.000 min  
Response: 123800744  
Conc: 48.64 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.738 min  
Delta R.T.: 0.000 min  
Response: 155616939  
Conc: 51.48 ng/ml



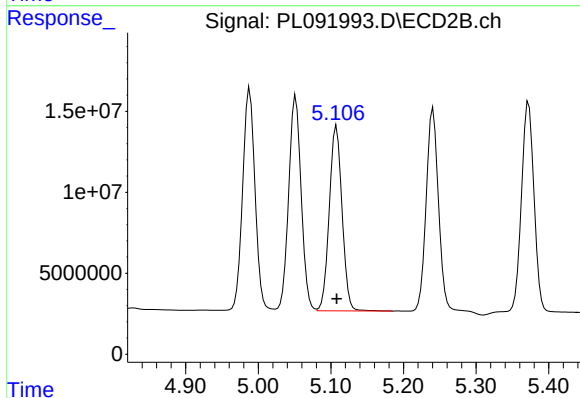
## #9 Endosulfan I

R.T.: 6.075 min  
Delta R.T.: 0.000 min  
Response: 117523112  
Conc: 50.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

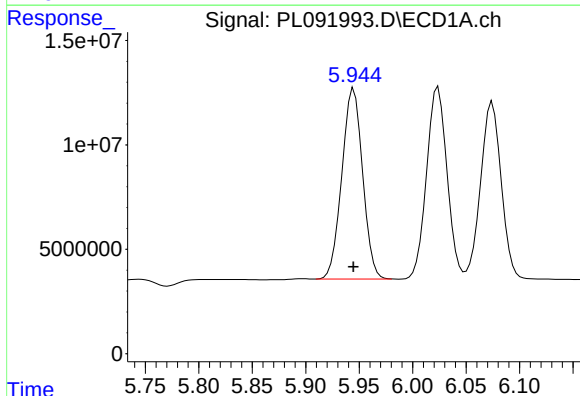
Manual Integrations  
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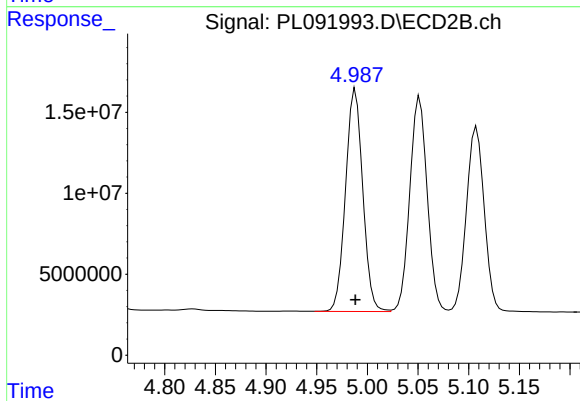
## #9 Endosulfan I

R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 139995536  
Conc: 51.01 ng/ml



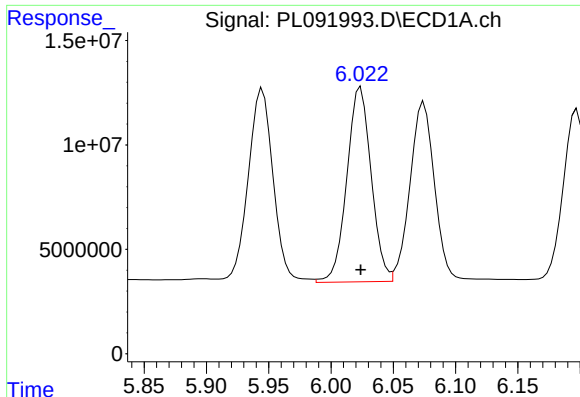
## #10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: 0.000 min  
Response: 123662028  
Conc: 50.04 ng/ml m



## #10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 162283998  
Conc: 53.94 ng/ml



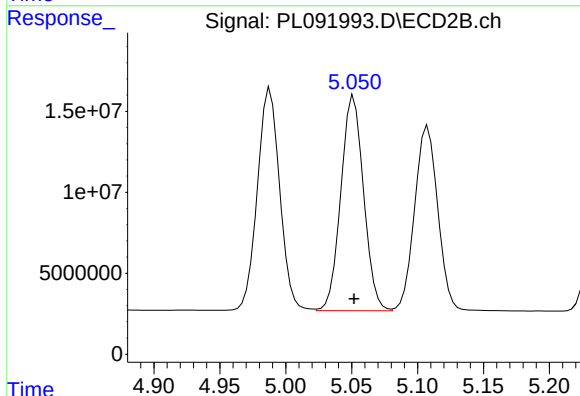
#11 alpha-Chlordane

R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 127334848  
Conc: 51.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

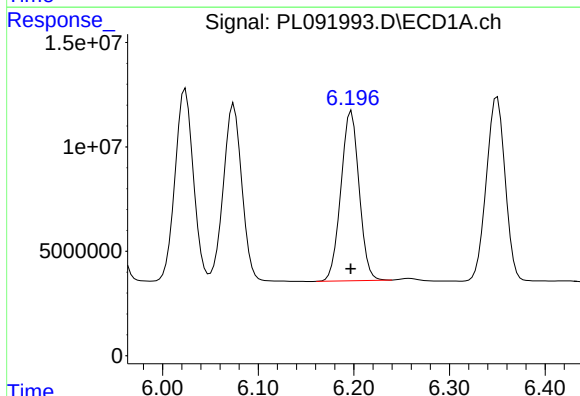
Manual Integrations  
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Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



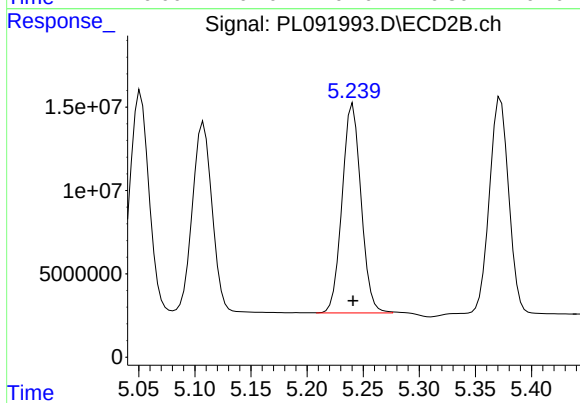
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: 0.000 min  
Response: 159268250  
Conc: 53.20 ng/ml



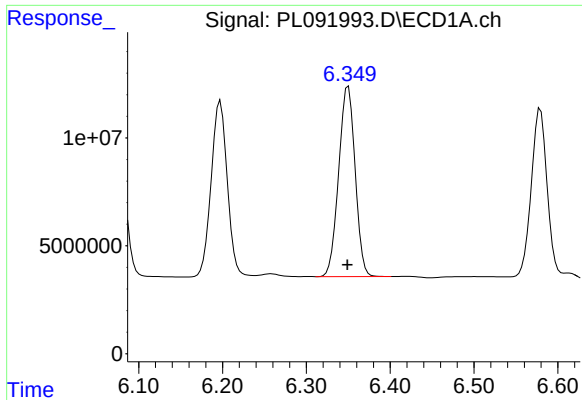
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 107955164  
Conc: 49.88 ng/ml



#12 4,4'-DDE

R.T.: 5.239 min  
Delta R.T.: -0.001 min  
Response: 147219501  
Conc: 52.98 ng/ml m



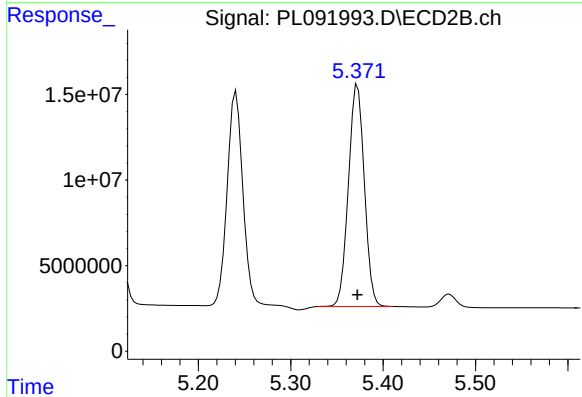
#13 Dieldrin

R.T.: 6.350 min  
Delta R.T.: 0.000 min  
Response: 120268007  
Conc: 49.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

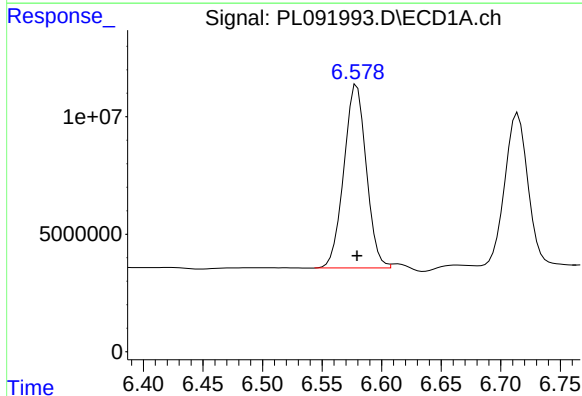
Manual Integrations  
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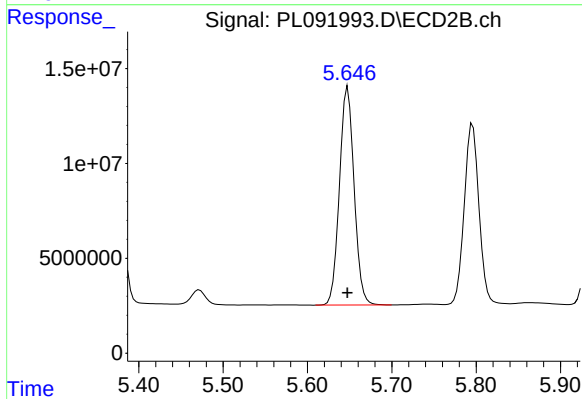
#13 Dieldrin

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 155622022  
Conc: 53.08 ng/ml



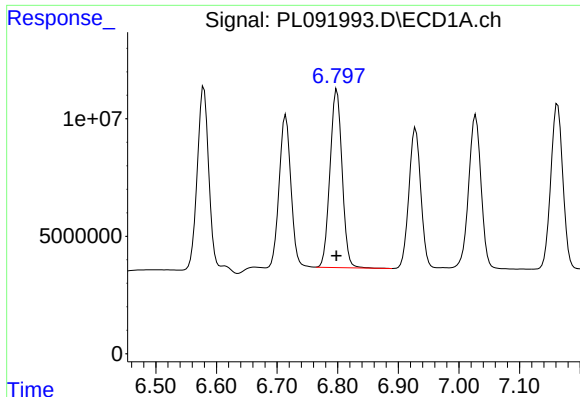
#14 Endrin

R.T.: 6.578 min  
Delta R.T.: -0.001 min  
Response: 102337703  
Conc: 49.66 ng/ml m



#14 Endrin

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 138828242  
Conc: 52.94 ng/ml



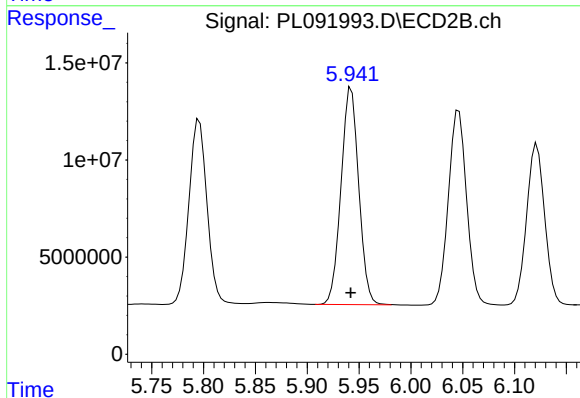
#15 Endosulfan II

R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 105315525  
Conc: 47.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

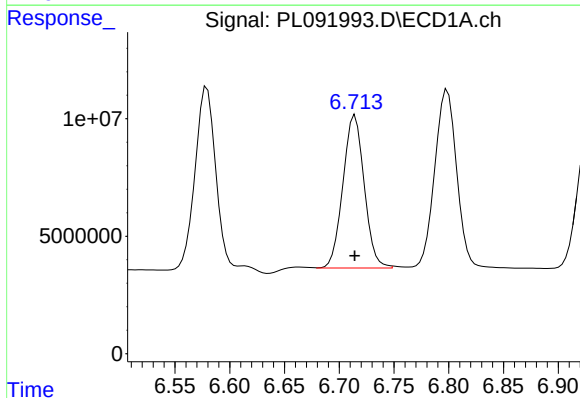
Manual Integrations  
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Supervised By :Ankita Jodhani 09/25/2024



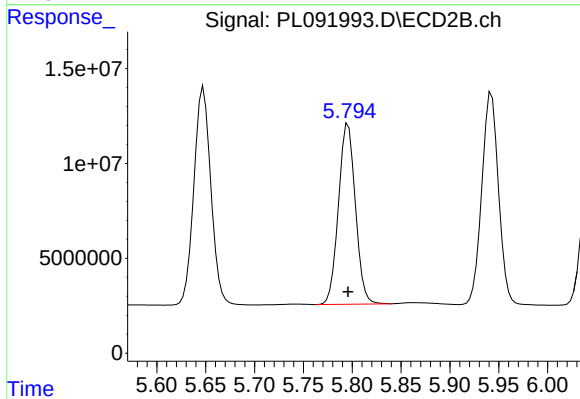
#15 Endosulfan II

R.T.: 5.941 min  
Delta R.T.: 0.000 min  
Response: 132848145  
Conc: 53.09 ng/ml m



#16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: -0.001 min  
Response: 88137509  
Conc: 49.08 ng/ml m



#16 4,4'-DDD

R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 114910251  
Conc: 53.79 ng/ml

Response\_ Signal: PL091993.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 92922344  
Conc: 50.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

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Time

Response\_ Signal: PL091993.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: 0.000 min  
Response: 122949161  
Conc: 53.15 ng/ml

Time

Response\_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.929 min  
Delta R.T.: 0.000 min  
Response: 82134972  
Conc: 47.13 ng/ml

Time

Response\_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time

Response\_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

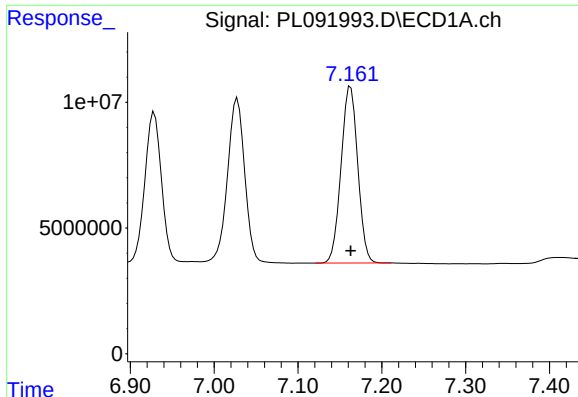
Time

Response\_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 100605435  
Conc: 49.30 ng/ml

Time



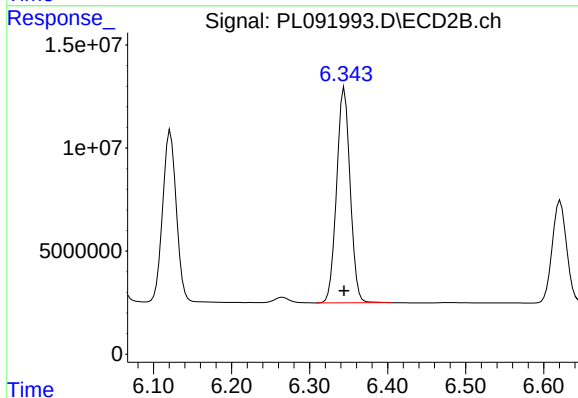
## #19 Endosulfan Sulfate

R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 97261747  
Conc: 49.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

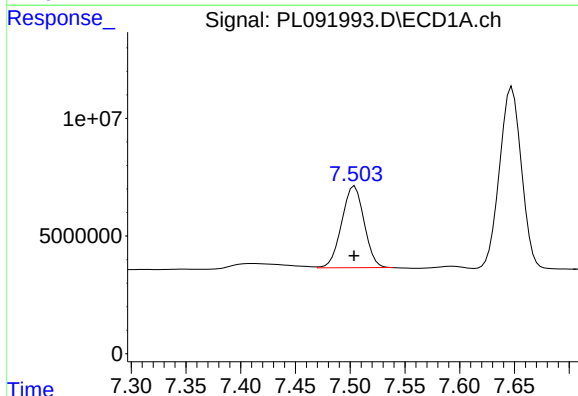
Manual Integrations  
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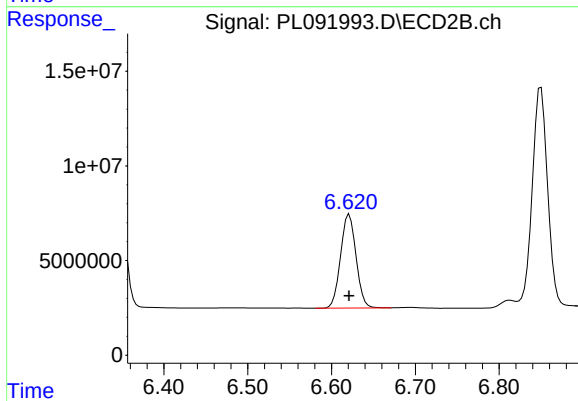
## #19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 125548726  
Conc: 52.04 ng/ml



## #20 Methoxychlor

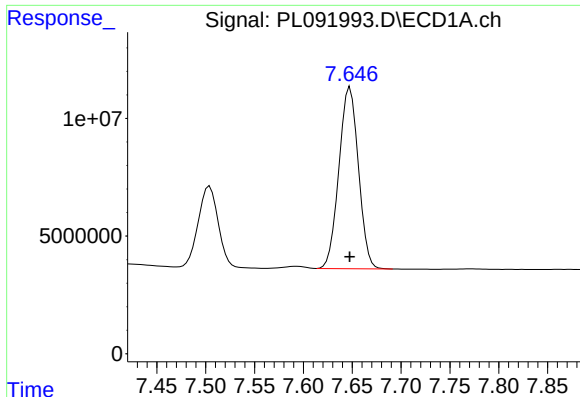
R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 49342488  
Conc: 50.26 ng/ml m



## #20 Methoxychlor

R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 63596858  
Conc: 50.86 ng/ml





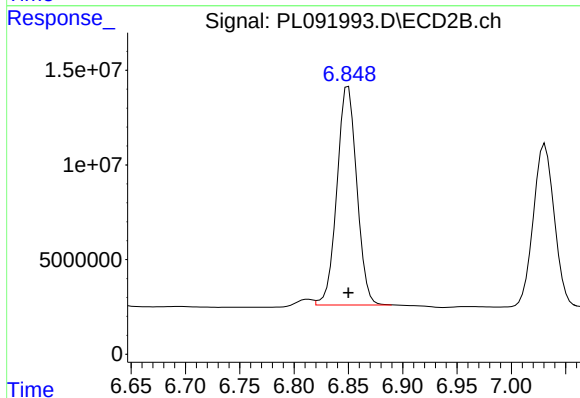
#21 Endrin ketone

R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 107251900  
Conc: 48.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

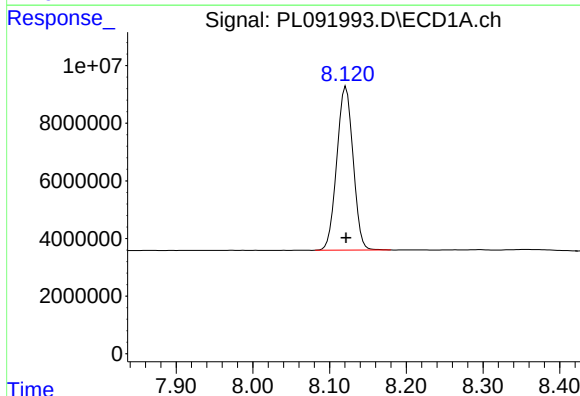
Manual Integrations  
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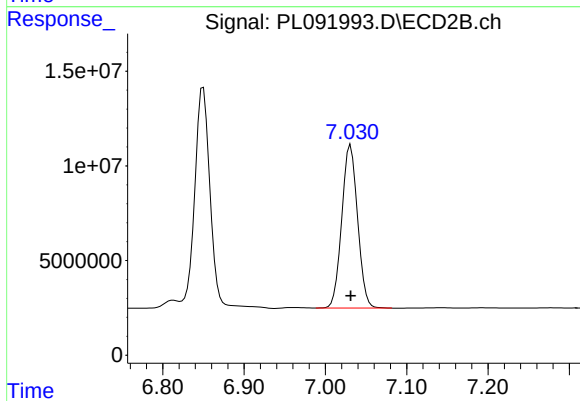
#21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: -0.001 min  
Response: 146714559  
Conc: 52.99 ng/ml m



#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 84055062  
Conc: 46.67 ng/ml



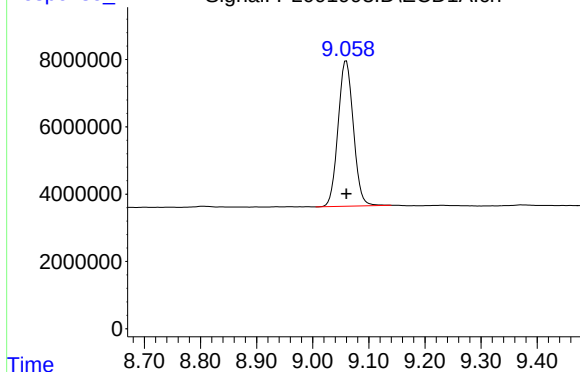
#22 Mirex

R.T.: 7.031 min  
Delta R.T.: 0.000 min  
Response: 116078925  
Conc: 47.72 ng/ml

Response\_

Signal: PL091993.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 81807745  
Conc: 49.94 ng/ml

Instrument :

ECD\_L

ClientSampleId :

PSTDCCC050

## Manual Integrations

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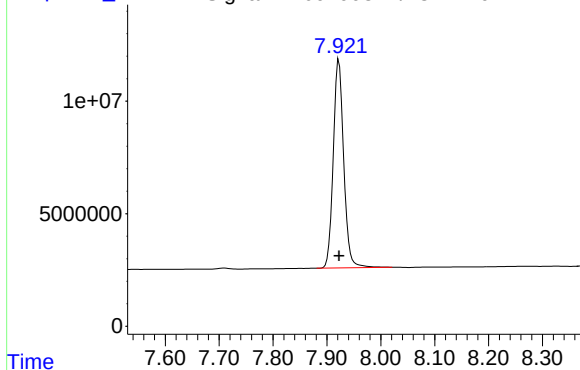
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Time

Response\_

Signal: PL091993.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.922 min  
Delta R.T.: 0.000 min  
Response: 124972592  
Conc: 49.95 ng/ml

Time



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 14:21 Initial Calibration Time(s): 11:32 12:26

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 4.00      | 3.90      | 4.10 | 0.00       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.78       | 4.78      | 4.68      | 4.88 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.69      | 5.59      | 5.79 | 0.00       |
| Endosulfan I         | 6.07       | 6.08      | 5.98      | 6.18 | 0.01       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Endrin               | 6.58       | 6.58      | 6.48      | 6.68 | 0.00       |
| Endosulfan II        | 6.80       | 6.80      | 6.70      | 6.90 | 0.00       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.03      | 6.93      | 7.13 | 0.00       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.65       | 7.65      | 7.55      | 7.75 | 0.00       |
| Endrin aldehyde      | 6.93       | 6.93      | 6.83      | 7.03 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.95      | 5.85      | 6.05 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 14:21 Initial Calibration Time(s): 11:32 12:26

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.29       | 3.29      | 3.19      | 3.39 | 0.00       |
| beta-BHC             | 3.92       | 3.92      | 3.82      | 4.02 | 0.01       |
| delta-BHC            | 4.15       | 4.15      | 4.05      | 4.25 | 0.01       |
| gamma-BHC (Lindane)  | 3.62       | 3.62      | 3.52      | 3.72 | 0.00       |
| Heptachlor           | 3.96       | 3.96      | 3.86      | 4.06 | 0.01       |
| Aldrin               | 4.23       | 4.24      | 4.14      | 4.34 | 0.01       |
| Heptachlor epoxide   | 4.74       | 4.74      | 4.64      | 4.84 | 0.00       |
| Endosulfan I         | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Endrin               | 5.65       | 5.65      | 5.55      | 5.75 | 0.00       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.80       | 5.80      | 5.70      | 5.90 | 0.00       |
| Endosulfan sulfate   | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDT             | 6.05       | 6.05      | 5.95      | 6.15 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL06 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092003.D Time Analyzed: 14:21

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.712 | 6.614     | 6.814 | 49.000             | 50.000            | -2.0 |
| 4,4'-DDE             | 6.197 | 6.097     | 6.297 | 49.130             | 50.000            | -1.7 |
| 4,4'-DDT             | 7.028 | 6.928     | 7.128 | 49.020             | 50.000            | -2.0 |
| Aldrin               | 5.263 | 5.163     | 5.363 | 47.260             | 50.000            | -5.5 |
| alpha-BHC            | 4.000 | 3.899     | 4.099 | 50.490             | 50.000            | 1.0  |
| alpha-Chlordane      | 6.022 | 5.924     | 6.124 | 49.450             | 50.000            | -1.1 |
| beta-BHC             | 4.529 | 4.429     | 4.629 | 50.230             | 50.000            | 0.5  |
| Decachlorobiphenyl   | 9.060 | 8.960     | 9.160 | 50.560             | 50.000            | 1.1  |
| delta-BHC            | 4.776 | 4.677     | 4.877 | 48.450             | 50.000            | -3.1 |
| Dieldrin             | 6.349 | 6.249     | 6.449 | 48.810             | 50.000            | -2.4 |
| Endosulfan I         | 6.074 | 5.975     | 6.175 | 50.950             | 50.000            | 1.9  |
| Endosulfan II        | 6.798 | 6.698     | 6.898 | 47.460             | 50.000            | -5.1 |
| Endosulfan sulfate   | 7.163 | 7.063     | 7.263 | 48.960             | 50.000            | -2.1 |
| Endrin               | 6.577 | 6.479     | 6.679 | 48.680             | 50.000            | -2.6 |
| Endrin aldehyde      | 6.928 | 6.828     | 7.028 | 46.900             | 50.000            | -6.2 |
| Endrin ketone        | 7.647 | 7.548     | 7.748 | 49.200             | 50.000            | -1.6 |
| gamma-BHC (Lindane)  | 4.332 | 4.232     | 4.432 | 48.690             | 50.000            | -2.6 |
| gamma-Chlordane      | 5.943 | 5.845     | 6.045 | 49.440             | 50.000            | -1.1 |
| Heptachlor           | 4.921 | 4.820     | 5.020 | 49.720             | 50.000            | -0.6 |
| Heptachlor epoxide   | 5.688 | 5.589     | 5.789 | 48.600             | 50.000            | -2.8 |
| Methoxychlor         | 7.504 | 7.404     | 7.604 | 47.620             | 50.000            | -4.8 |
| Tetrachloro-m-xylene | 3.544 | 3.444     | 3.644 | 50.170             | 50.000            | 0.3  |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL06 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092003.D Time Analyzed: 14:21

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.795 | 5.696     | 5.896 | 53.290             | 50.000            | 6.6  |
| 4,4'-DDE             | 5.239 | 5.141     | 5.341 | 51.560             | 50.000            | 3.1  |
| 4,4'-DDT             | 6.046 | 5.946     | 6.146 | 50.750             | 50.000            | 1.5  |
| Aldrin               | 4.234 | 4.135     | 4.335 | 50.050             | 50.000            | 0.1  |
| alpha-BHC            | 3.286 | 3.186     | 3.386 | 53.510             | 50.000            | 7.0  |
| alpha-Chlordane      | 5.051 | 4.952     | 5.152 | 52.070             | 50.000            | 4.1  |
| beta-BHC             | 3.915 | 3.815     | 4.015 | 51.880             | 50.000            | 3.8  |
| Decachlorobiphenyl   | 7.923 | 7.823     | 8.023 | 52.870             | 50.000            | 5.7  |
| delta-BHC            | 4.145 | 4.045     | 4.245 | 51.480             | 50.000            | 3.0  |
| Dieldrin             | 5.372 | 5.272     | 5.472 | 52.060             | 50.000            | 4.1  |
| Endosulfan I         | 5.107 | 5.008     | 5.208 | 48.950             | 50.000            | -2.1 |
| Endosulfan II        | 5.942 | 5.842     | 6.042 | 51.700             | 50.000            | 3.4  |
| Endosulfan sulfate   | 6.344 | 6.244     | 6.444 | 51.170             | 50.000            | 2.3  |
| Endrin               | 5.648 | 5.548     | 5.748 | 51.550             | 50.000            | 3.1  |
| Endrin aldehyde      | 6.121 | 6.022     | 6.222 | 48.410             | 50.000            | -3.2 |
| Endrin ketone        | 6.848 | 6.750     | 6.950 | 52.680             | 50.000            | 5.4  |
| gamma-BHC (Lindane)  | 3.616 | 3.516     | 3.716 | 52.050             | 50.000            | 4.1  |
| gamma-Chlordane      | 4.988 | 4.888     | 5.088 | 52.640             | 50.000            | 5.3  |
| Heptachlor           | 3.955 | 3.855     | 4.055 | 52.370             | 50.000            | 4.7  |
| Heptachlor epoxide   | 4.738 | 4.638     | 4.838 | 50.380             | 50.000            | 0.8  |
| Methoxychlor         | 6.621 | 6.521     | 6.721 | 49.260             | 50.000            | -1.5 |
| Tetrachloro-m-xylene | 2.782 | 2.682     | 2.882 | 51.670             | 50.000            | 3.3  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
 Data File : PL092003.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Sep 2024 14:21  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 25 01:18:41 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 16:44:57 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.782 | 111.6E6  | 129.6E6  | 50.170  | 51.675  |
| 28)                         | SA Decachlor... | 9.060 | 7.923 | 82833383 | 132.3E6  | 50.563  | 52.868  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.000 | 3.286 | 156.4E6  | 195.0E6  | 50.494  | 53.513  |
| 3)                          | MA gamma-BHC... | 4.332 | 3.616 | 150.9E6  | 183.8E6  | 48.690  | 52.054  |
| 4)                          | MA Heptachlor   | 4.921 | 3.955 | 137.5E6  | 180.7E6  | 49.725  | 52.370  |
| 5)                          | MB Aldrin       | 5.263 | 4.234 | 131.3E6  | 170.2E6  | 47.260  | 50.048m |
| 6)                          | B beta-BHC      | 4.529 | 3.915 | 66618744 | 77977889 | 50.226  | 51.878  |
| 7)                          | B delta-BHC     | 4.776 | 4.145 | 139.7E6  | 178.7E6  | 48.445  | 51.475  |
| 8)                          | B Heptachlo...  | 5.688 | 4.738 | 123.7E6  | 152.3E6  | 48.597m | 50.378  |
| 9)                          | A Endosulfan I  | 6.074 | 5.107 | 117.9E6  | 134.3E6  | 50.953  | 48.950  |
| 10)                         | B gamma-Chl...  | 5.943 | 4.988 | 122.2E6  | 158.4E6  | 49.443m | 52.643  |
| 11)                         | B alpha-Chl...  | 6.022 | 5.051 | 121.8E6  | 155.9E6  | 49.448m | 52.071  |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.239 | 106.3E6  | 143.3E6  | 49.126  | 51.559m |
| 13)                         | MA Dieldrin     | 6.349 | 5.372 | 119.0E6  | 152.6E6  | 48.813  | 52.060  |
| 14)                         | MA Endrin       | 6.577 | 5.648 | 100.3E6  | 135.2E6  | 48.676m | 51.552  |
| 15)                         | B Endosulfa...  | 6.798 | 5.942 | 104.4E6  | 129.4E6  | 47.463  | 51.703  |
| 16)                         | A 4,4'-DDD      | 6.712 | 5.795 | 87983978 | 113.8E6  | 48.997m | 53.291  |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.046 | 90260213 | 117.4E6  | 49.022  | 50.751  |
| 18)                         | B Endrin al...  | 6.928 | 6.121 | 81741545 | 98784245 | 46.903  | 48.407  |
| 19)                         | B Endosulfa...  | 7.163 | 6.344 | 97043176 | 123.5E6  | 48.955  | 51.174  |
| 20)                         | A Methoxychlor  | 7.504 | 6.621 | 46746340 | 61598109 | 47.617  | 49.265  |
| 21)                         | B Endrin ke...  | 7.647 | 6.848 | 108.1E6  | 145.9E6  | 49.199  | 52.683m |
| 22)                         | Mirex           | 8.121 | 7.031 | 84740455 | 114.6E6  | 47.052  | 47.113  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL092003.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 14:21  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

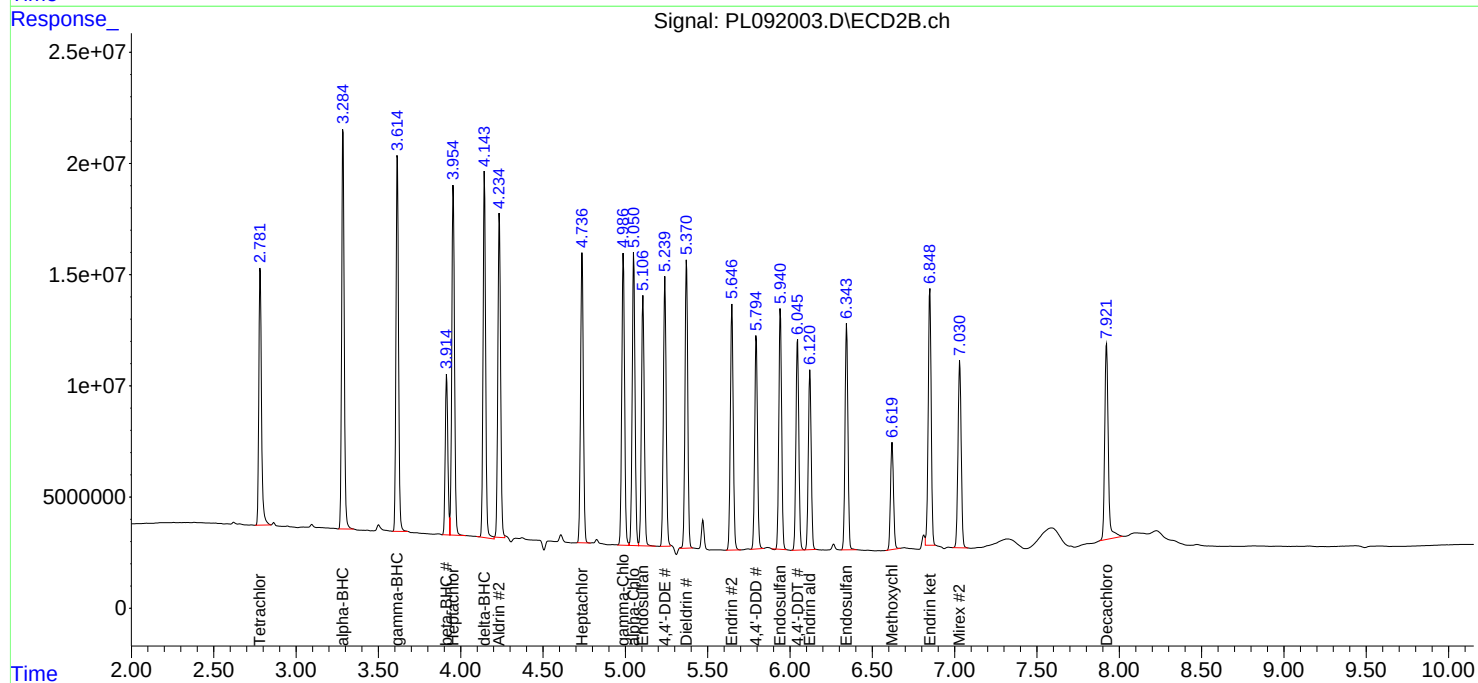
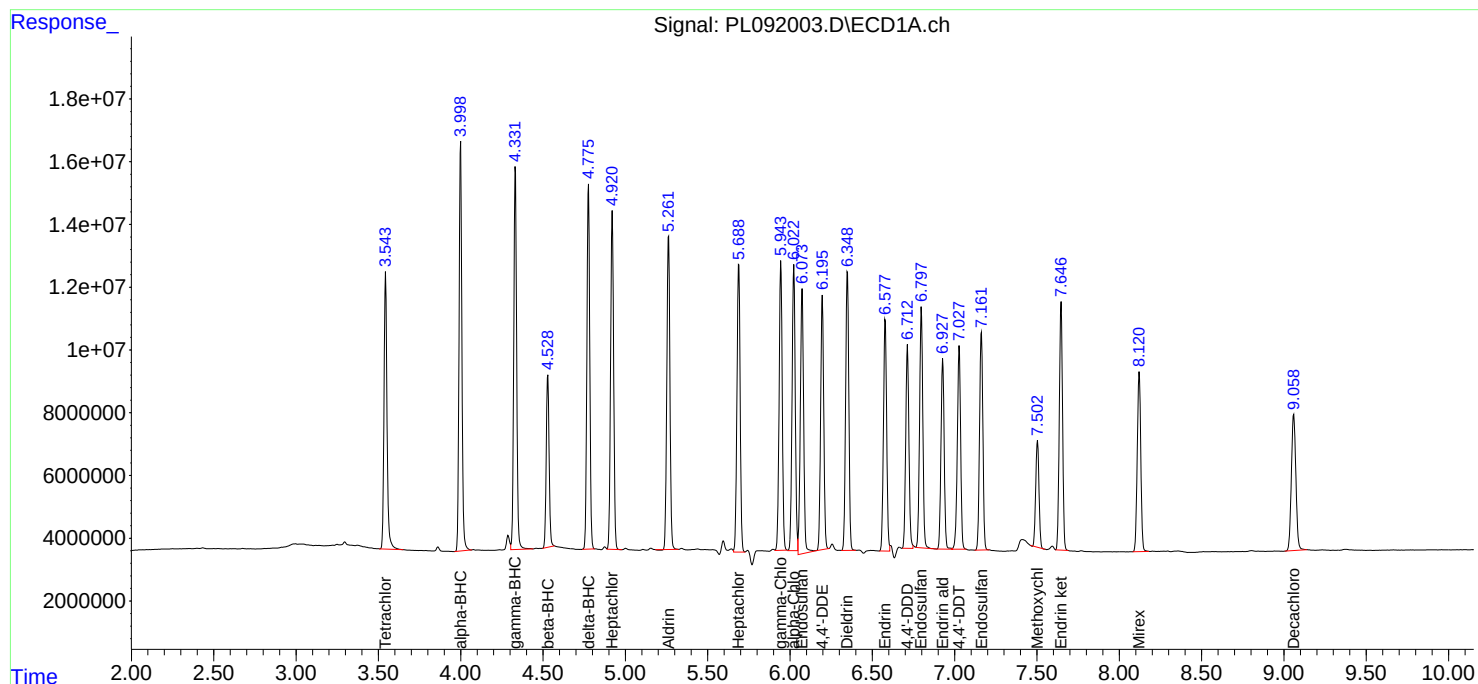
## APPROVED

Reviewed By :Abdul Mirza 09/25/2024

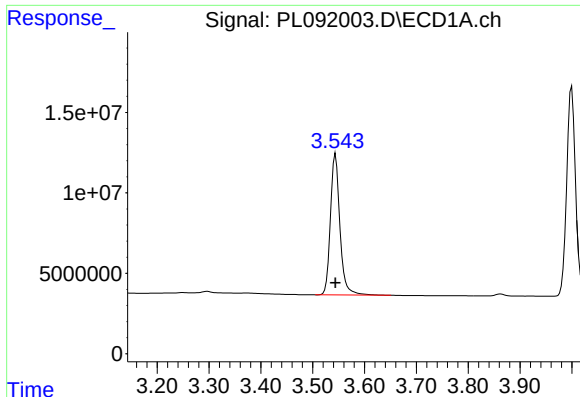
Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:18:41 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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







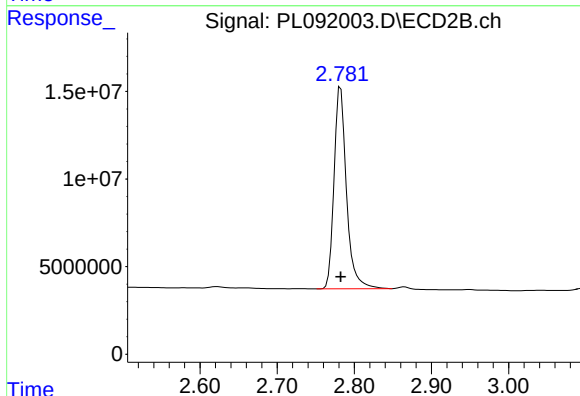
## #1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 111610150  
Conc: 50.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

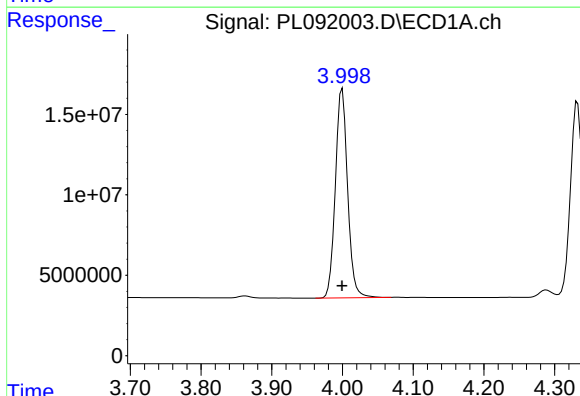
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



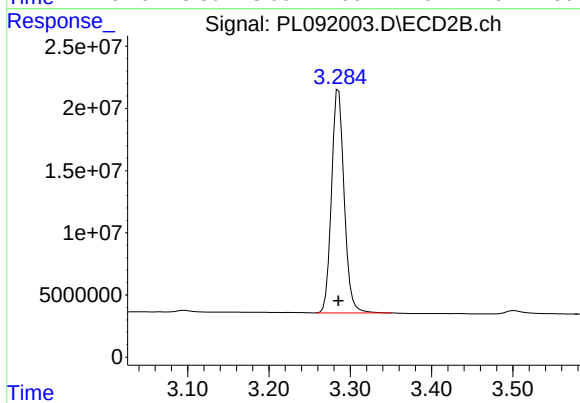
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 129604341  
Conc: 51.67 ng/ml



## #2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 156356738  
Conc: 50.49 ng/ml

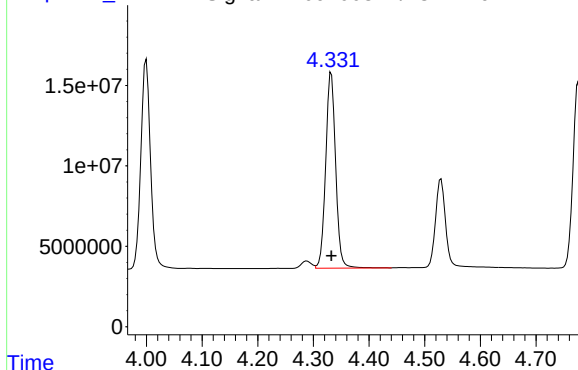


## #2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 194964456  
Conc: 53.51 ng/ml

Response\_ Signal: PL092003.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 150881075  
Conc: 48.69 ng/ml

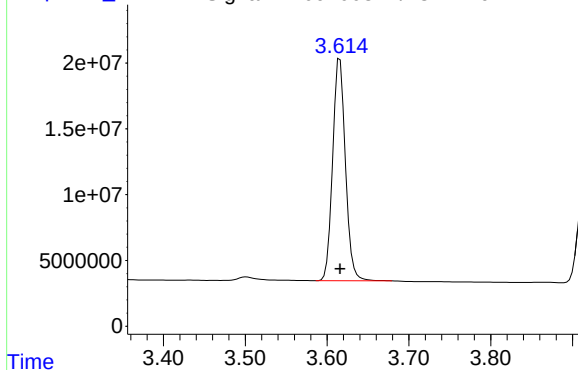
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024

Response\_ Signal: PL092003.D\ECD2B.ch

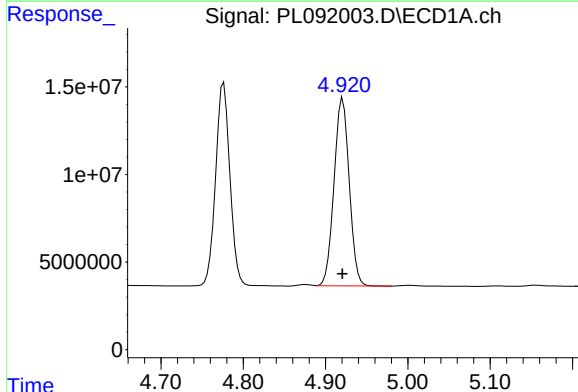
#3 gamma-BHC (Lindane)



R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 183802739  
Conc: 52.05 ng/ml

Response\_ Signal: PL092003.D\ECD1A.ch

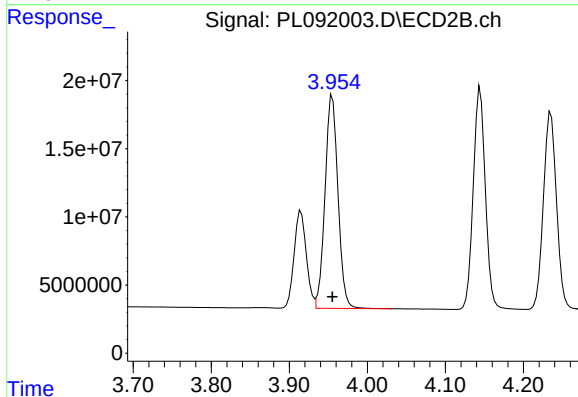
#4 Heptachlor



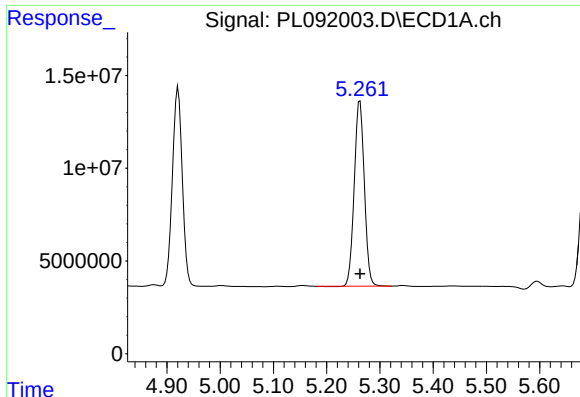
R.T.: 4.921 min  
Delta R.T.: 0.000 min  
Response: 137511126  
Conc: 49.72 ng/ml

Response\_ Signal: PL092003.D\ECD2B.ch

#4 Heptachlor



R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 180708496  
Conc: 52.37 ng/ml



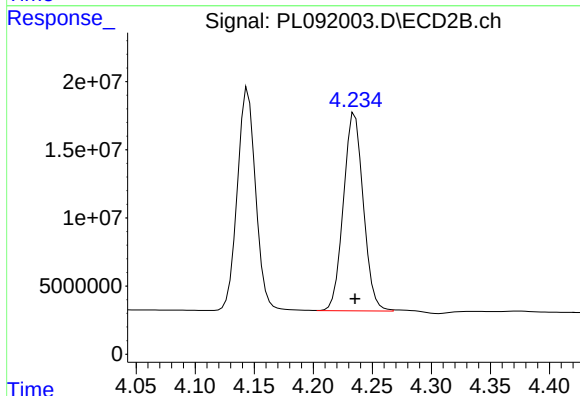
#5 Aldrin

R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 131267452  
Conc: 47.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

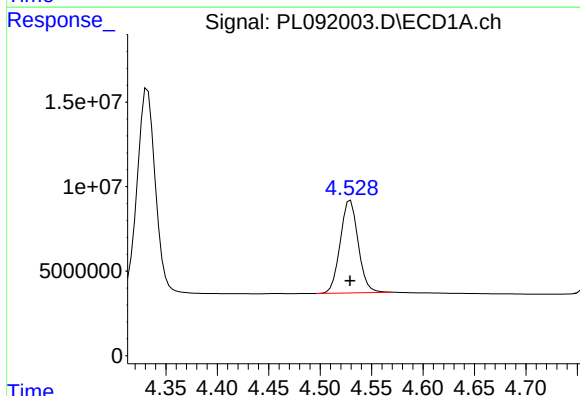
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



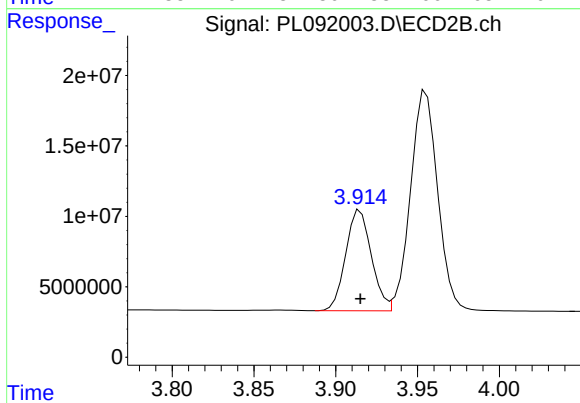
#5 Aldrin

R.T.: 4.234 min  
Delta R.T.: -0.002 min  
Response: 170217447  
Conc: 50.05 ng/ml m



#6 beta-BHC

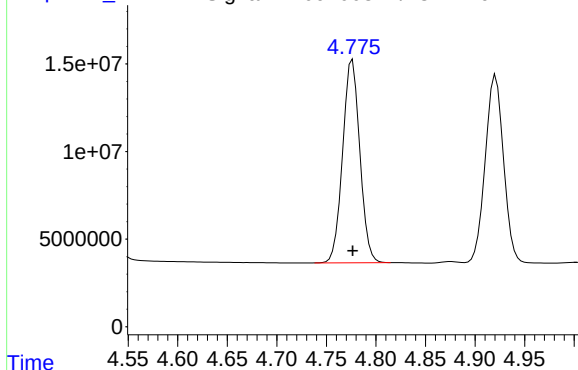
R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 66618744  
Conc: 50.23 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 77977889  
Conc: 51.88 ng/ml

Response\_ Signal: PL092003.D\ECD1A.ch



#7 delta-BHC

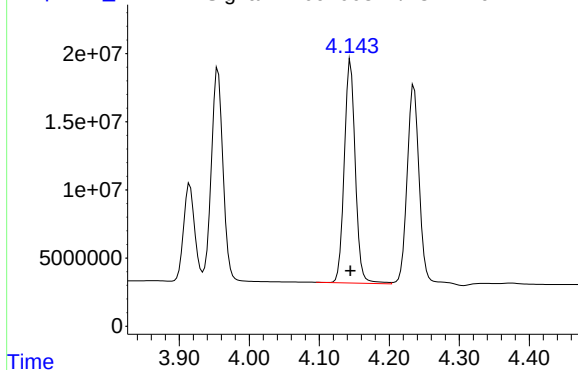
R.T.: 4.776 min  
Delta R.T.: 0.000 min  
Response: 139725846  
Conc: 48.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024

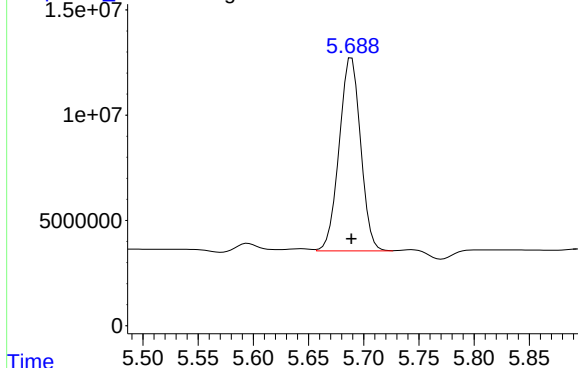
Response\_ Signal: PL092003.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.145 min  
Delta R.T.: 0.000 min  
Response: 178706956  
Conc: 51.48 ng/ml

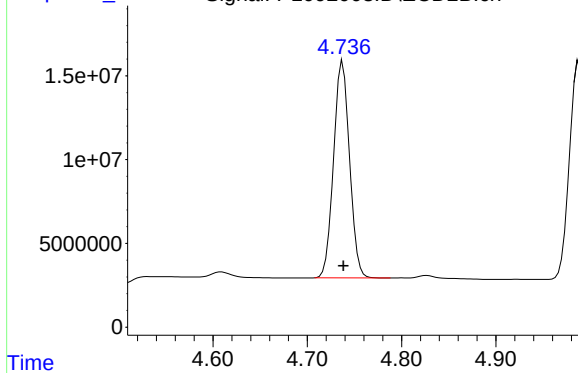
Response\_ Signal: PL092003.D\ECD1A.ch



#8 Heptachlor epoxide

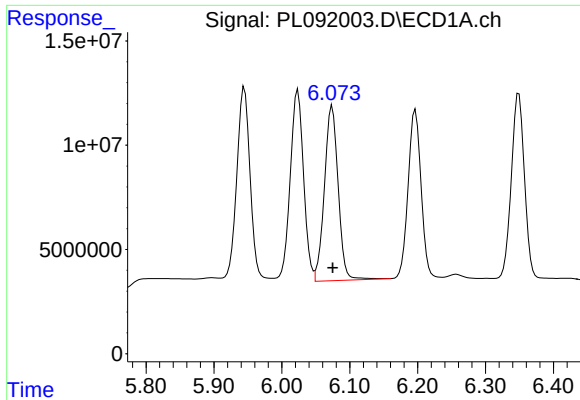
R.T.: 5.688 min  
Delta R.T.: -0.001 min  
Response: 123680177  
Conc: 48.60 ng/ml m

Response\_ Signal: PL092003.D\ECD2B.ch



#8 Heptachlor epoxide

R.T.: 4.738 min  
Delta R.T.: 0.000 min  
Response: 152285952  
Conc: 50.38 ng/ml



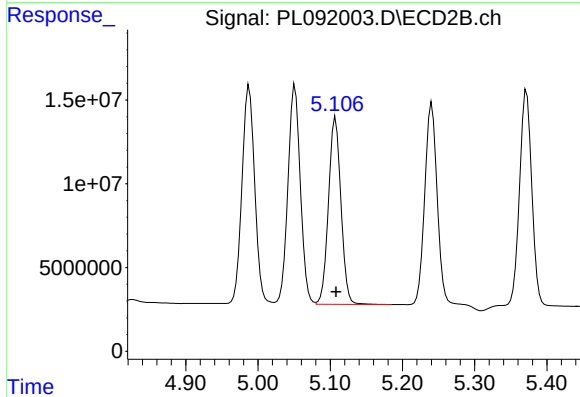
## #9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 117873778  
Conc: 50.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

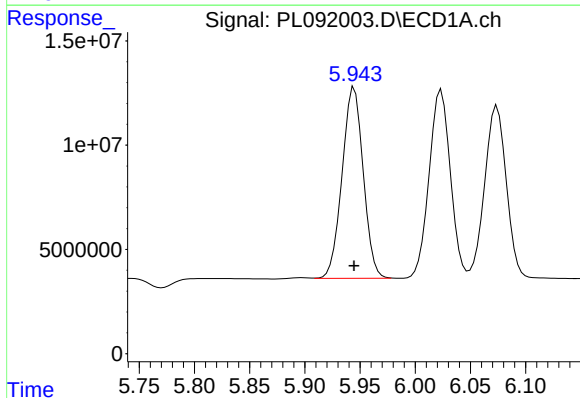
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



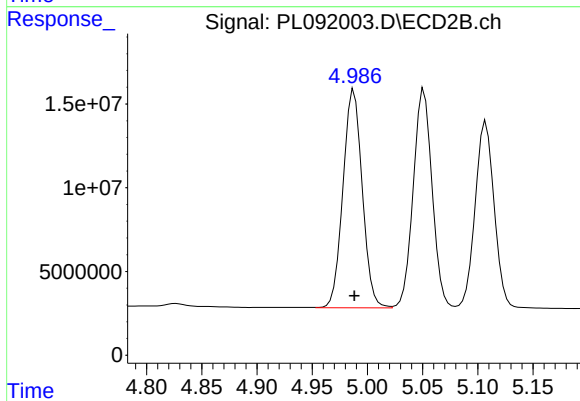
## #9 Endosulfan I

R.T.: 5.107 min  
Delta R.T.: 0.000 min  
Response: 134349793  
Conc: 48.95 ng/ml



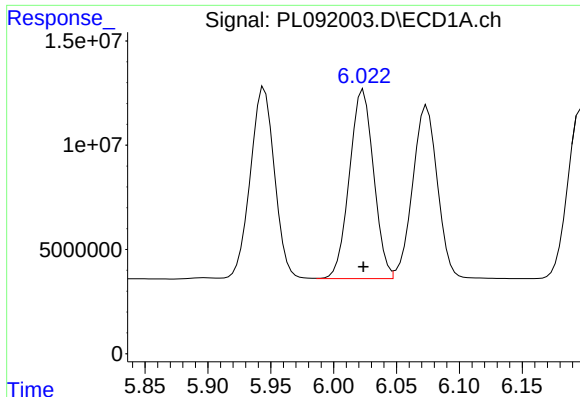
## #10 gamma-Chlordane

R.T.: 5.943 min  
Delta R.T.: -0.001 min  
Response: 122184051  
Conc: 49.44 ng/ml m



## #10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 158380094  
Conc: 52.64 ng/ml



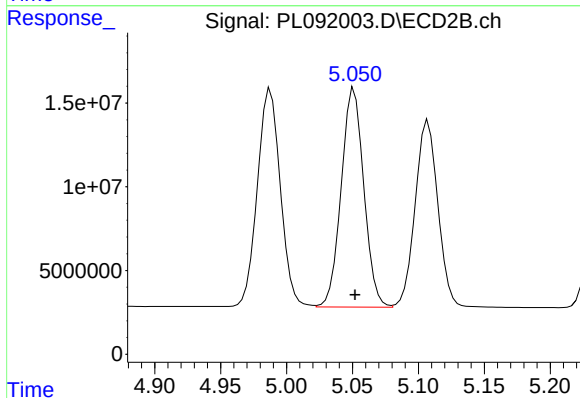
#11 alpha-Chlordane

R.T.: 6.022 min  
Delta R.T.: -0.002 min  
Response: 121807486  
Conc: 49.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

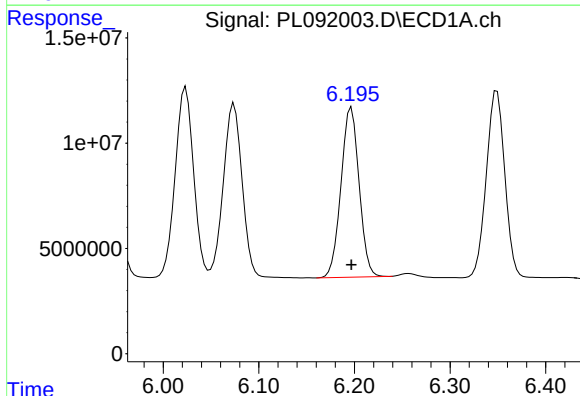
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



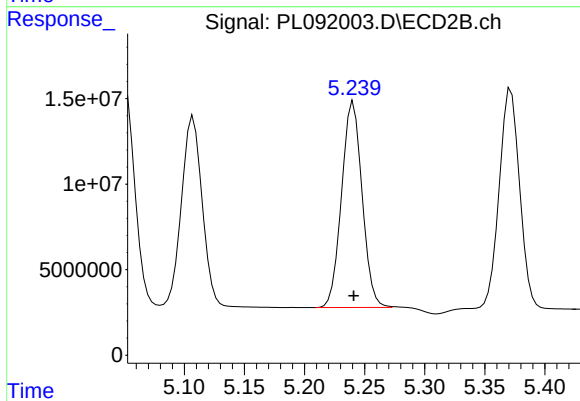
#11 alpha-Chlordane

R.T.: 5.051 min  
Delta R.T.: 0.000 min  
Response: 155876668  
Conc: 52.07 ng/ml



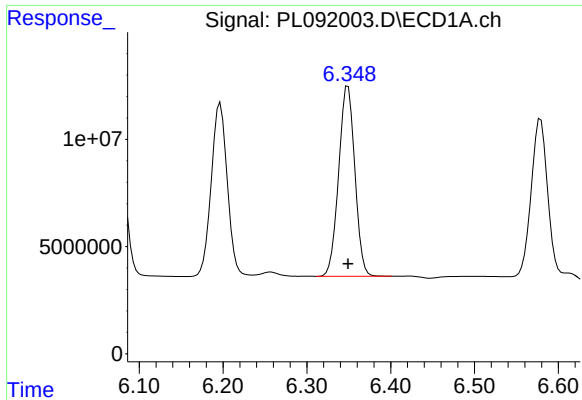
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 106330237  
Conc: 49.13 ng/ml



#12 4,4'-DDE

R.T.: 5.239 min  
Delta R.T.: -0.002 min  
Response: 143273581  
Conc: 51.56 ng/ml m



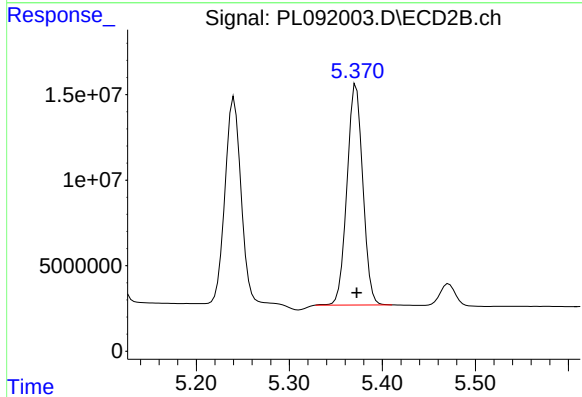
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 119048974  
Conc: 48.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

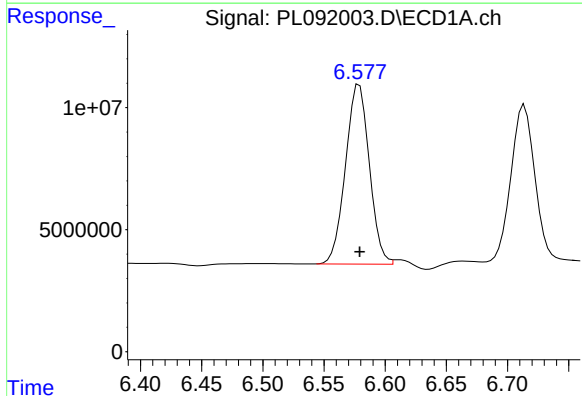
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



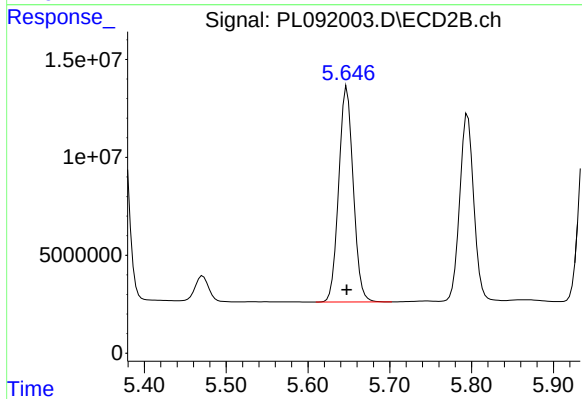
#13 Dieldrin

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 152630848  
Conc: 52.06 ng/ml



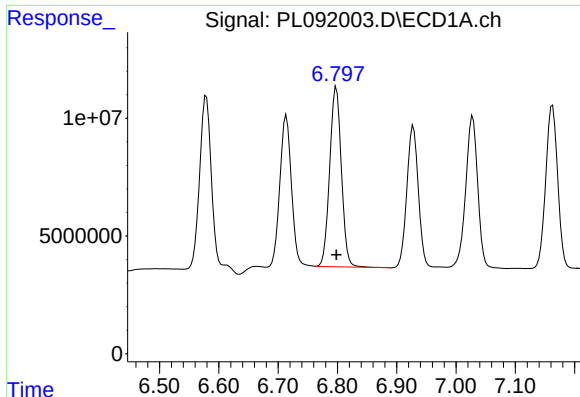
#14 Endrin

R.T.: 6.577 min  
Delta R.T.: -0.002 min  
Response: 100305927  
Conc: 48.68 ng/ml m



#14 Endrin

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 135177588  
Conc: 51.55 ng/ml



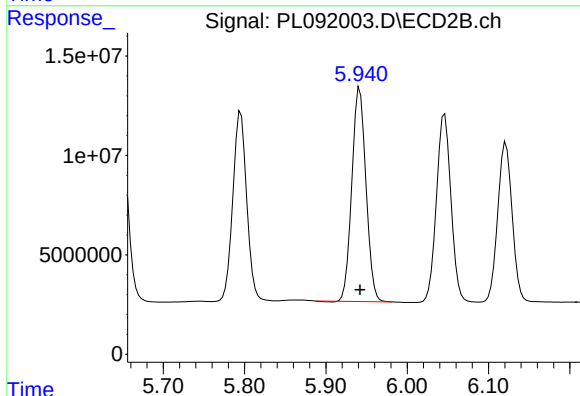
## #15 Endosulfan II

R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 104405256  
Conc: 47.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

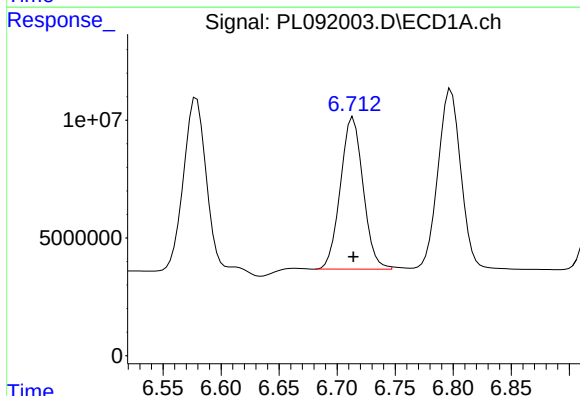
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



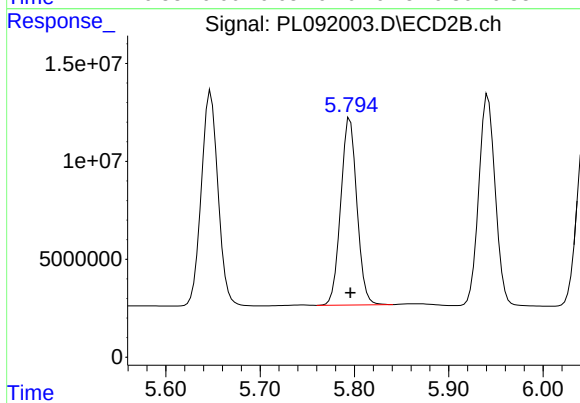
## #15 Endosulfan II

R.T.: 5.942 min  
Delta R.T.: 0.000 min  
Response: 129382471  
Conc: 51.70 ng/ml



## #16 4,4'-DDD

R.T.: 6.712 min  
Delta R.T.: -0.002 min  
Response: 87983978  
Conc: 49.00 ng/ml m

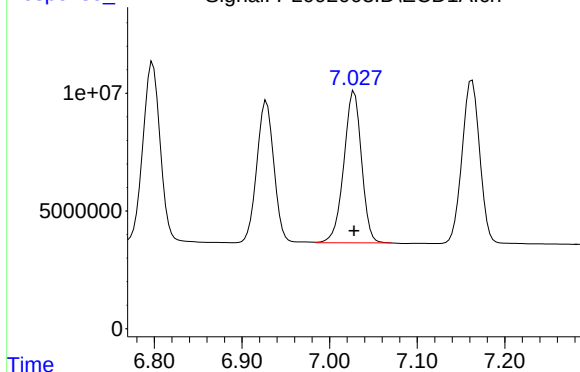


## #16 4,4'-DDD

R.T.: 5.795 min  
Delta R.T.: 0.000 min  
Response: 113841994  
Conc: 53.29 ng/ml



Signal: PL092003.D\ECD1A.ch



#17 4,4'-DDT

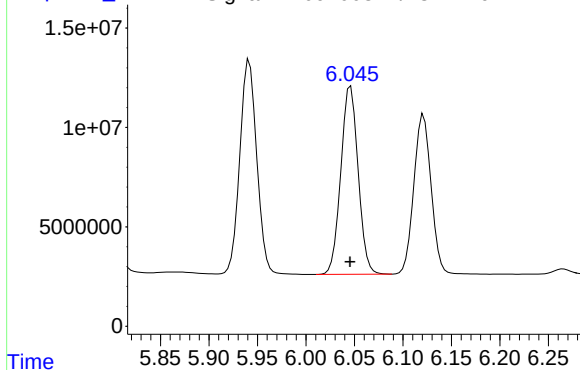
R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 90260213  
Conc: 49.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
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Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024

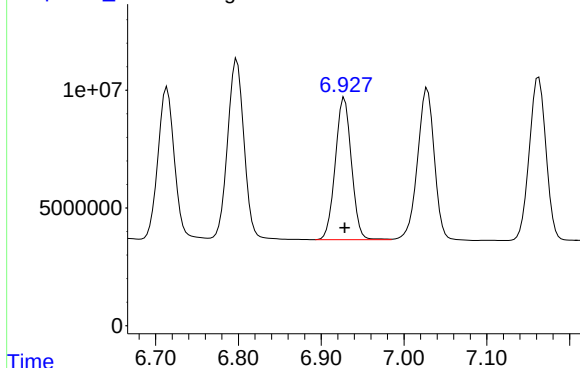
Signal: PL092003.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: 0.000 min  
Response: 117395883  
Conc: 50.75 ng/ml

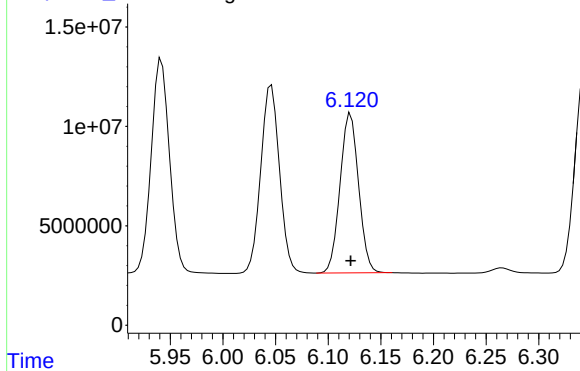
Signal: PL092003.D\ECD1A.ch



#18 Endrin aldehyde

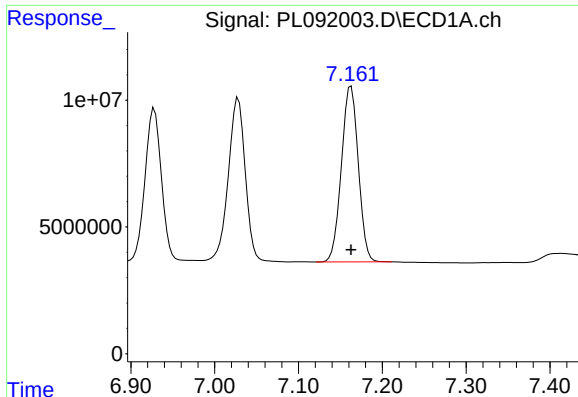
R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 81741545  
Conc: 46.90 ng/ml

Signal: PL092003.D\ECD2B.ch



#18 Endrin aldehyde

R.T.: 6.121 min  
Delta R.T.: 0.000 min  
Response: 98784245  
Conc: 48.41 ng/ml



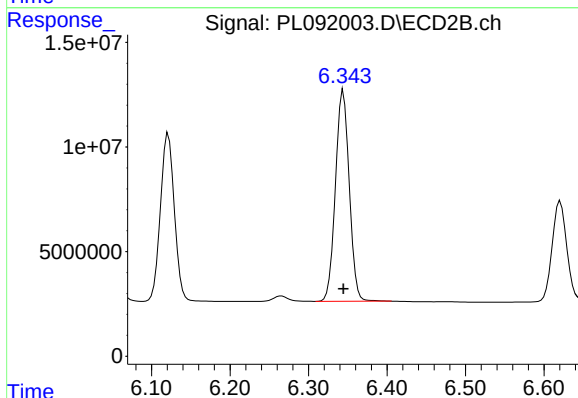
## #19 Endosulfan Sulfate

R.T.: 7.163 min  
Delta R.T.: 0.000 min  
Response: 97043176  
Conc: 48.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

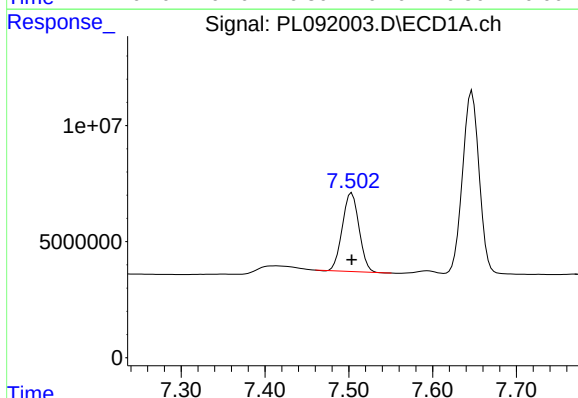
**Manual Integrations  
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Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



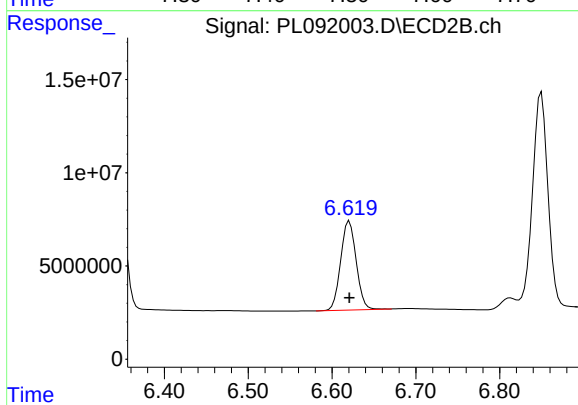
## #19 Endosulfan Sulfate

R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 123458061  
Conc: 51.17 ng/ml



## #20 Methoxychlor

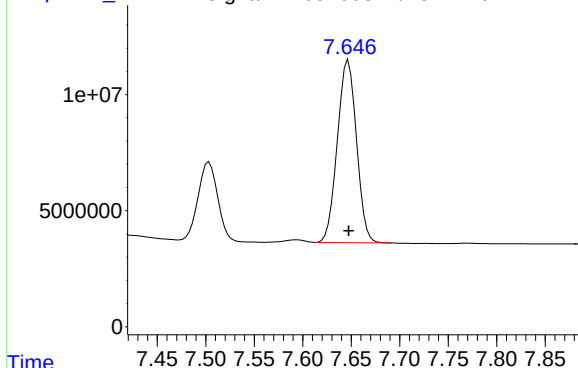
R.T.: 7.504 min  
Delta R.T.: 0.000 min  
Response: 46746340  
Conc: 47.62 ng/ml



## #20 Methoxychlor

R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 61598109  
Conc: 49.26 ng/ml

Response\_ Signal: PL092003.D\ECD1A.ch



#21 Endrin ketone

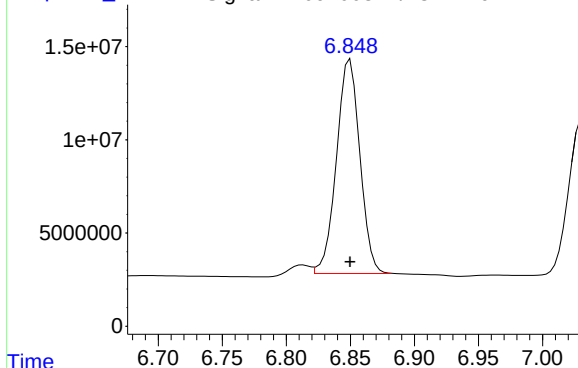
R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 108118391  
Conc: 49.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
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Supervised By :Ankita Jodhani 09/25/2024

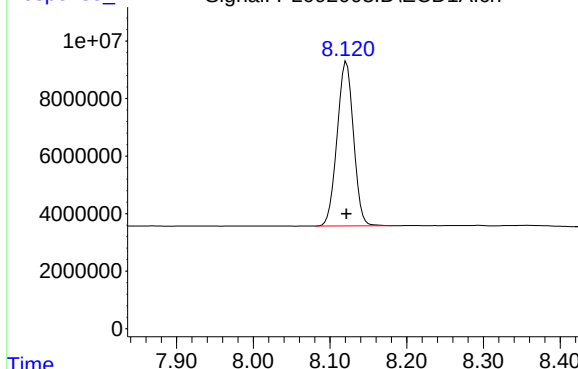
Time Response\_ Signal: PL092003.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: -0.001 min  
Response: 145876675  
Conc: 52.68 ng/ml m

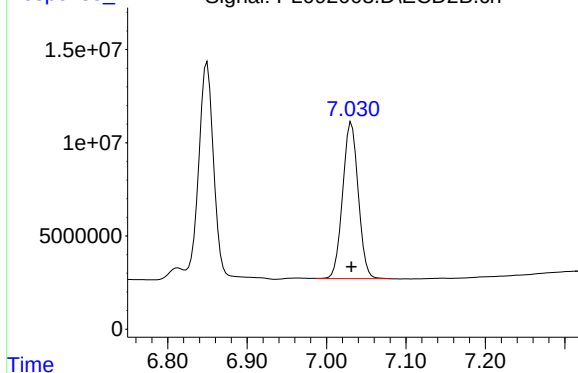
Time Response\_ Signal: PL092003.D\ECD1A.ch



#22 Mirex

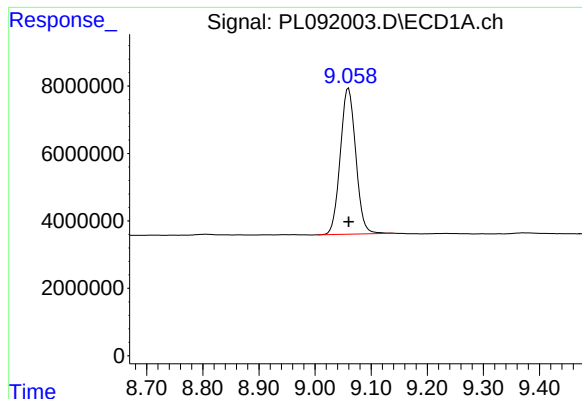
R.T.: 8.121 min  
Delta R.T.: 0.000 min  
Response: 84740455  
Conc: 47.05 ng/ml

Time Response\_ Signal: PL092003.D\ECD2B.ch



#22 Mirex

R.T.: 7.031 min  
Delta R.T.: 0.000 min  
Response: 114609373  
Conc: 47.11 ng/ml



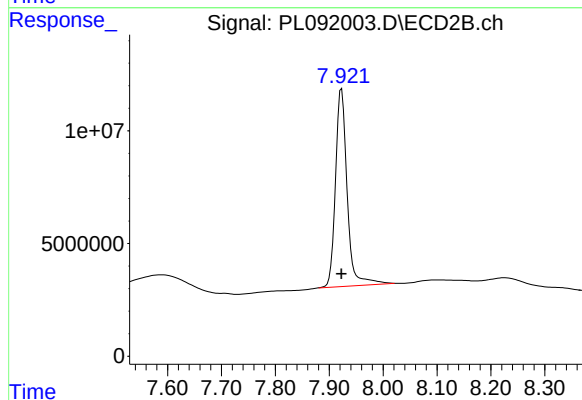
#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 82833383  
Conc: 50.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 132272723  
Conc: 52.87 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No. (PEM): PEM - PL091569.D Date Analyzed: 09/09/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:03

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 9.059 | 8.960     | 9.160 | 21.870             | 20.000            | 9.4  |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 20.460             | 20.000            | 2.3  |
| alpha-BHC            | 3.999 | 3.950     | 4.050 | 10.410             | 10.000            | 4.1  |
| beta-BHC             | 4.529 | 4.480     | 4.580 | 10.280             | 10.000            | 2.8  |
| gamma-BHC (Lindane)  | 4.332 | 4.280     | 4.380 | 10.650             | 10.000            | 6.5  |
| Endrin               | 6.579 | 6.510     | 6.650 | 48.040             | 50.000            | -3.9 |
| 4,4'-DDT             | 7.028 | 6.960     | 7.100 | 95.810             | 100.000           | -4.2 |
| Methoxychlor         | 7.503 | 7.430     | 7.570 | 247.720            | 250.000           | -0.9 |

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No. (PEM): PEM - PL091569.D Date Analyzed: 09/09/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:03

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 7.924 | 7.820     | 8.020 | 20.940             | 20.000            | 4.7  |
| Tetrachloro-m-xylene | 2.783 | 2.730     | 2.830 | 20.160             | 20.000            | 0.8  |
| alpha-BHC            | 3.286 | 3.240     | 3.340 | 9.740              | 10.000            | -2.6 |
| beta-BHC             | 3.915 | 3.860     | 3.970 | 11.210             | 10.000            | 12.1 |
| gamma-BHC (Lindane)  | 3.616 | 3.570     | 3.670 | 9.580              | 10.000            | -4.2 |
| Endrin               | 5.649 | 5.580     | 5.720 | 47.000             | 50.000            | -6.0 |
| 4,4'-DDT             | 6.047 | 5.980     | 6.120 | 109.120            | 100.000           | 9.1  |
| Methoxychlor         | 6.622 | 6.550     | 6.690 | 260.840            | 250.000           | 4.3  |

Data File: PEM  
 PL091569.D Date Acquired 9/9/2024 15:03  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down        |
|-----------------|------|-------------|-----------------------|---------------------|---------------------|
| Endrin          | 6.58 | 63873769.05 | 70964375.06           | 7090606.01          | Down<br><b>9.99</b> |
| Endrin aldehyde | 6.93 | 2695866.553 |                       |                     |                     |
| Endrin ketone   | 7.65 | 4394739.461 |                       |                     |                     |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.65 | 88698544.98 | 97047739.97           | 8349194.99          | <b>8.60</b>  |
| Endrin aldehyde #2 | 6.12 | 2592838.302 |                       |                     |              |
| Endrin ketone #2   | 6.85 | 5756356.692 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.03 | 125681253   | 130443710.6               | 4762457.58            | <b>3.65</b>  |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.71 | 4762457.584 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.05 | 175338409.9 | 182773328.9               | 7434919               | <b>4.07</b>  |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.80 | 7434918.997 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091569.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 15:03  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
 Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 18:05:37 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:50:55 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 31886731 | 37703812 | 20.459  | 20.159  |
| 2)                          | SA Decachlor... | 9.059 | 7.924 | 26579029 | 38659670 | 21.870  | 20.936  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.999 | 3.286 | 22490894 | 25896502 | 10.413  | 9.737   |
| 3)                          | MA gamma-BHC... | 4.332 | 3.616 | 21892418 | 23564111 | 10.650  | 9.581   |
| 6)                          | B beta-BHC      | 4.529 | 3.915 | 9351602  | 12246907 | 10.276  | 11.210  |
| 14)                         | MA Endrin       | 6.579 | 5.649 | 63873769 | 88698545 | 48.037  | 47.000  |
| 16)                         | A 4,4'-DDD      | 6.713 | 5.796 | 4762458  | 7434919  | 3.757   | 4.437   |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.047 | 125.7E6  | 175.3E6  | 95.812  | 109.124 |
| 18)                         | B Endrin al...  | 6.927 | 6.122 | 2695867  | 2592838  | 2.269   | 1.897   |
| 20)                         | A Methoxychlor  | 7.503 | 6.622 | 167.6E6  | 231.0E6  | 247.717 | 260.838 |
| 21)                         | B Endrin ke...  | 7.645 | 6.850 | 4394739  | 5756357  | 2.842m  | 2.862   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091569.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 15:03  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

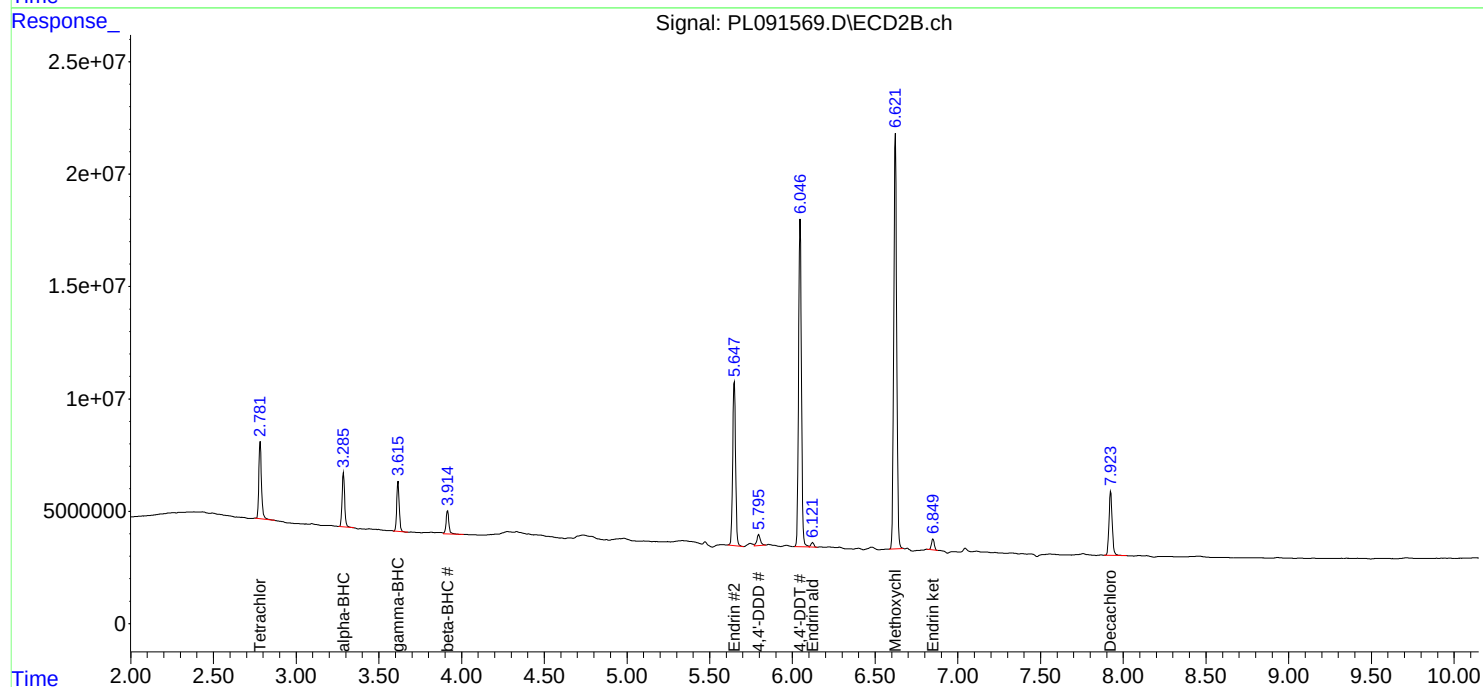
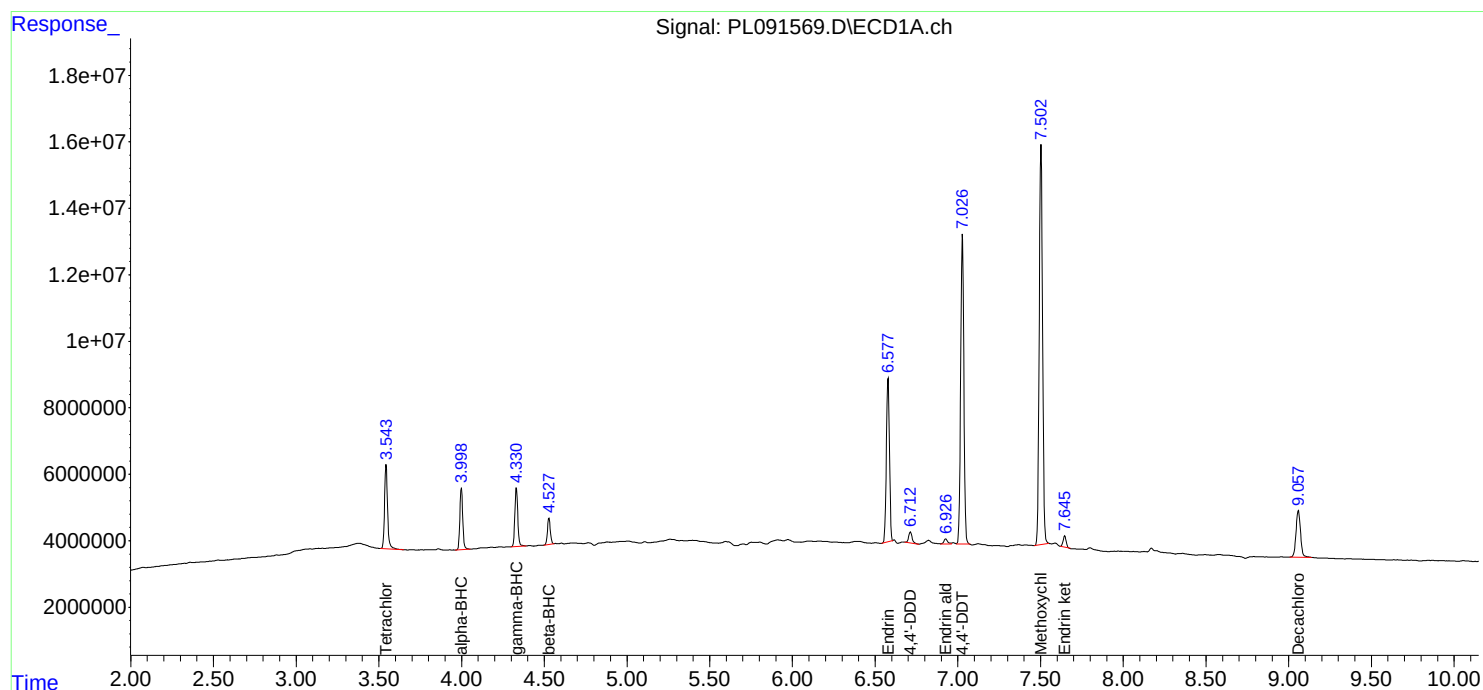
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
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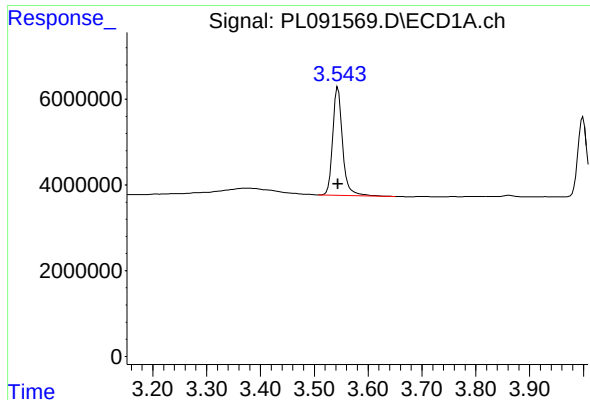
Reviewed By : Abdul Mirza 09/11/2024  
Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 18:05:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 17:50:55 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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







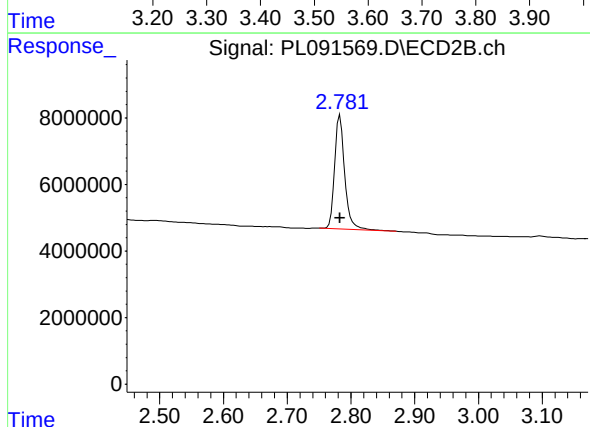
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 31886731  
Conc: 20.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

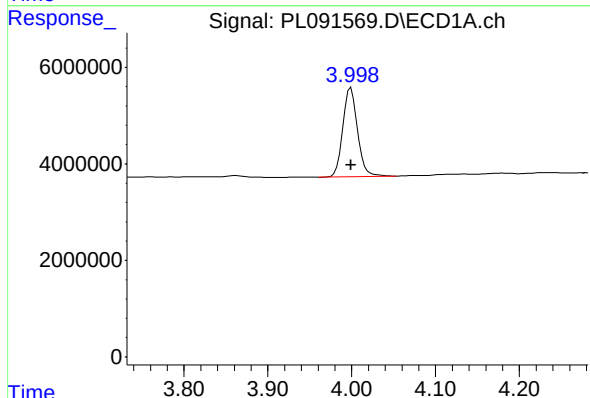
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



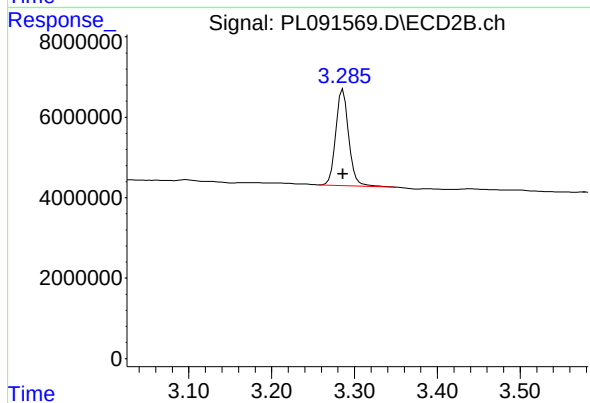
#1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 37703812  
Conc: 20.16 ng/ml



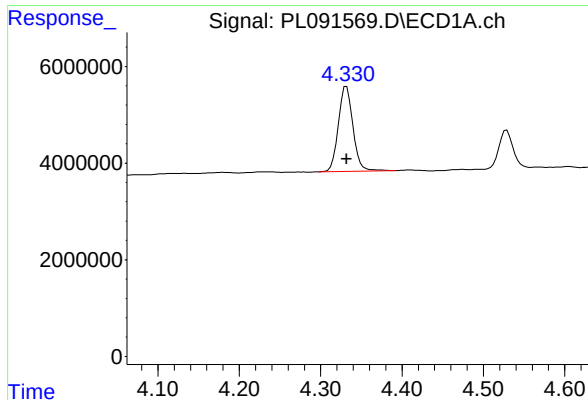
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 22490894  
Conc: 10.41 ng/ml



#2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 25896502  
Conc: 9.74 ng/ml



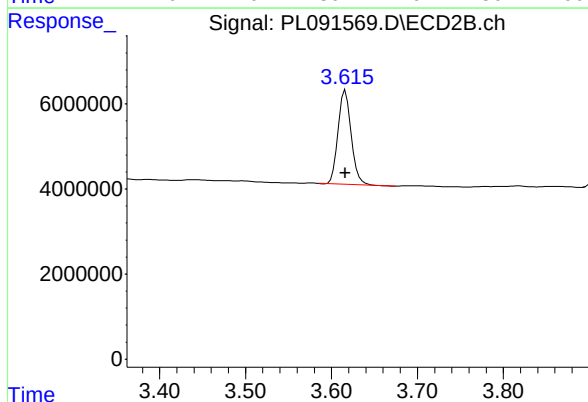
#3 gamma-BHC (Lindane)

R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 21892418  
Conc: 10.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

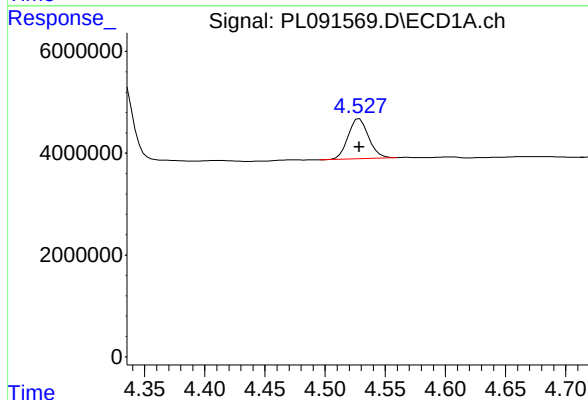
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



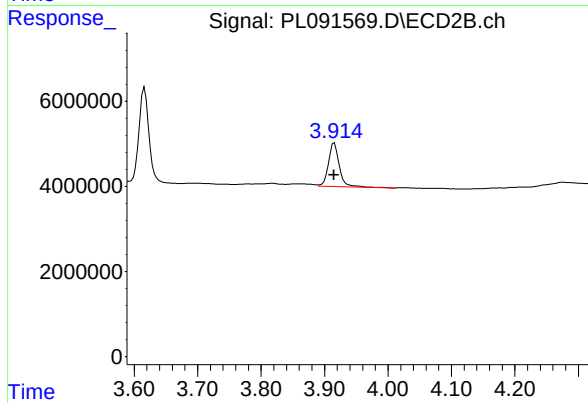
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 23564111  
Conc: 9.58 ng/ml



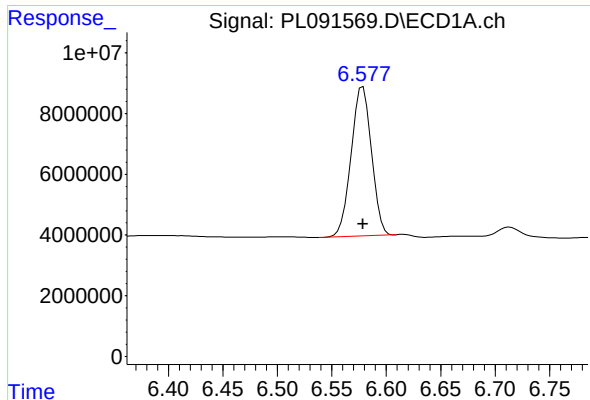
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 9351602  
Conc: 10.28 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 12246907  
Conc: 11.21 ng/ml



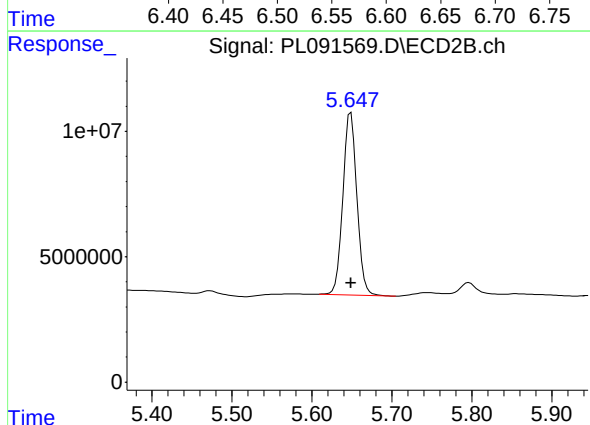
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 63873769  
Conc: 48.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

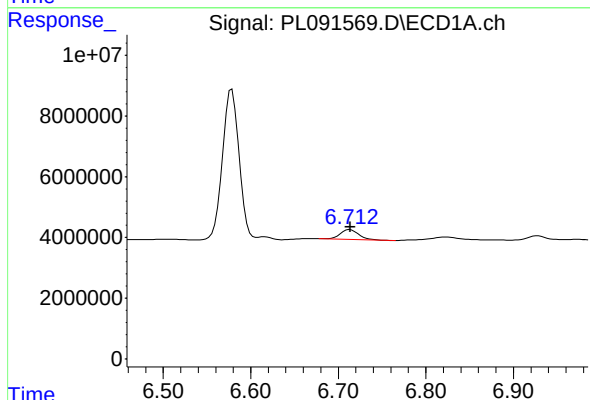
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



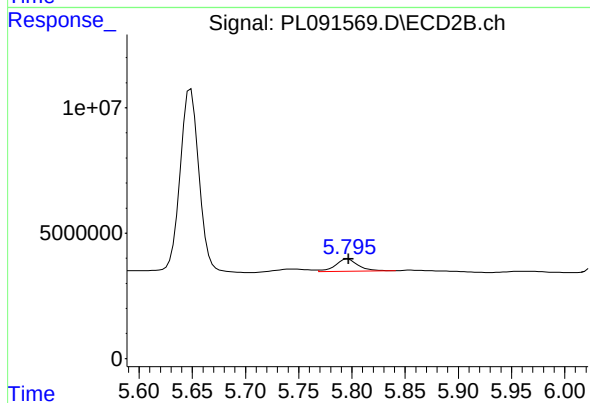
#14 Endrin

R.T.: 5.649 min  
Delta R.T.: 0.000 min  
Response: 88698545  
Conc: 47.00 ng/ml



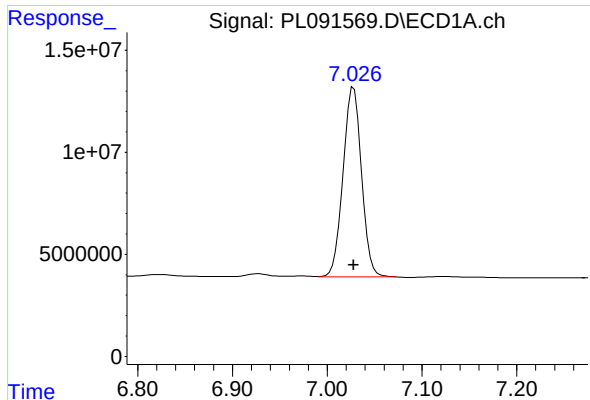
#16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: 0.000 min  
Response: 4762458  
Conc: 3.76 ng/ml



#16 4,4'-DDD

R.T.: 5.796 min  
Delta R.T.: 0.000 min  
Response: 7434919  
Conc: 4.44 ng/ml



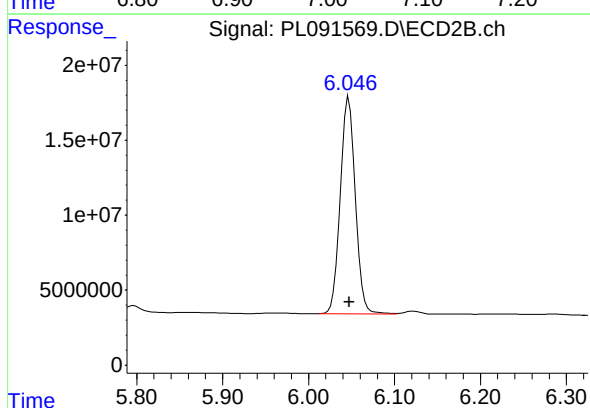
#17 4,4'-DDT

R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 125681253  
Conc: 95.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

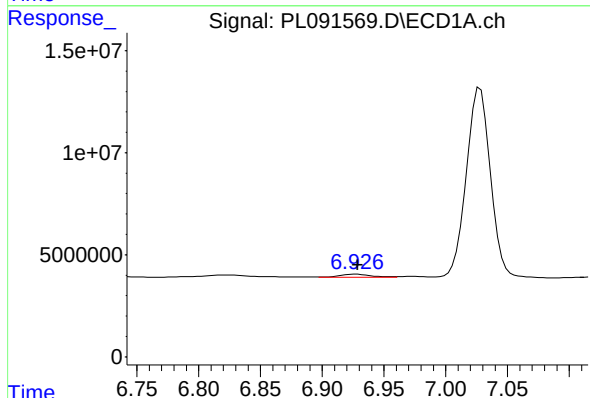
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



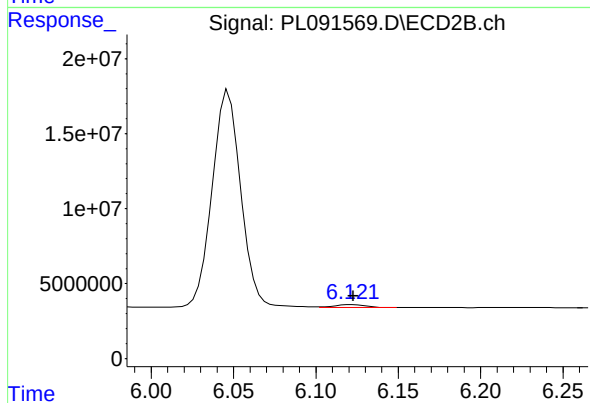
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 175338410  
Conc: 109.12 ng/ml



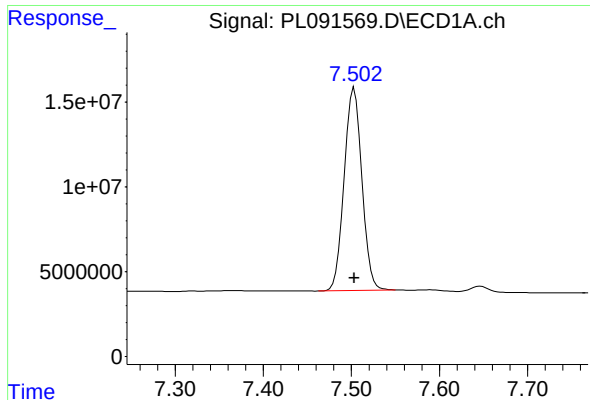
#18 Endrin aldehyde

R.T.: 6.927 min  
Delta R.T.: -0.001 min  
Response: 2695867  
Conc: 2.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 2592838  
Conc: 1.90 ng/ml



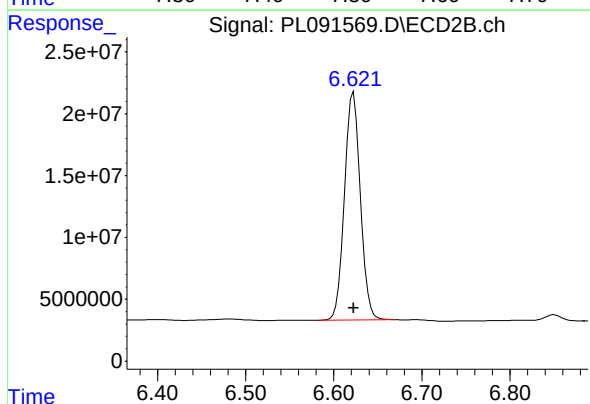
#20 Methoxychlor

R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 167572276  
Conc: 247.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

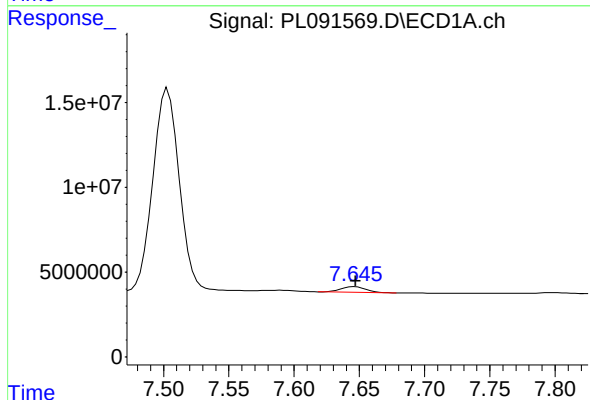
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



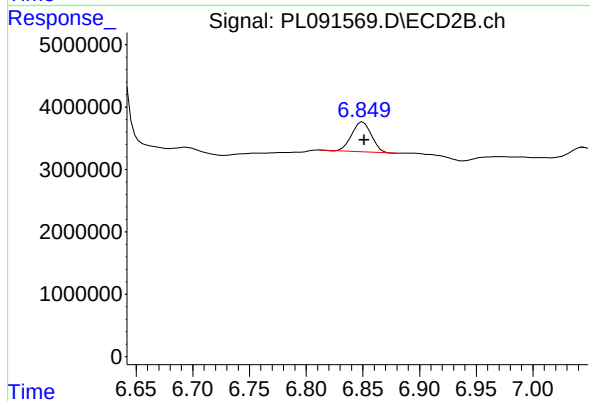
#20 Methoxychlor

R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 231040879  
Conc: 260.84 ng/ml



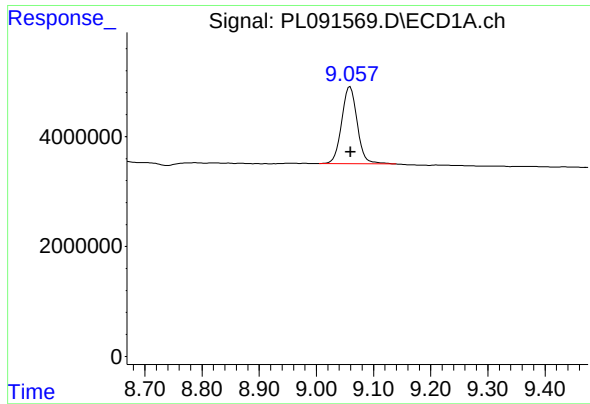
#21 Endrin ketone

R.T.: 7.645 min  
Delta R.T.: -0.002 min  
Response: 4394739  
Conc: 2.84 ng/ml m



#21 Endrin ketone

R.T.: 6.850 min  
Delta R.T.: -0.001 min  
Response: 5756357  
Conc: 2.86 ng/ml



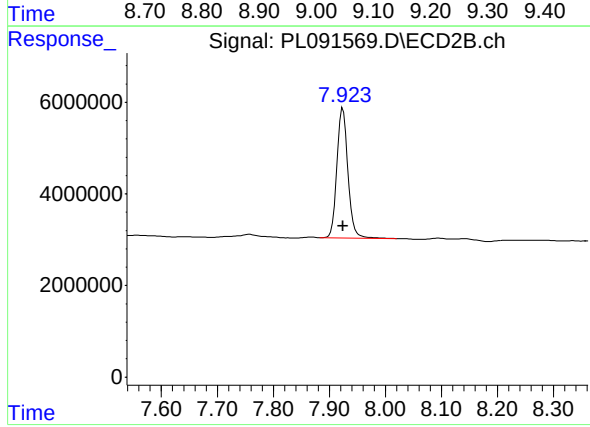
#28 Decachlorobiphenyl

R.T.: 9.059 min  
Delta R.T.: -0.002 min  
Response: 26579029  
Conc: 21.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 38659670  
Conc: 20.94 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No. (PEM): PEM - PL091605.D Date Analyzed: 09/10/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:10

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 9.056 | 8.960     | 9.160 | 20.900             | 20.000            | 4.5  |
| Tetrachloro-m-xylene | 3.542 | 3.490     | 3.590 | 23.450             | 20.000            | 17.3 |
| alpha-BHC            | 3.997 | 3.950     | 4.050 | 12.000             | 10.000            | 20.0 |
| beta-BHC             | 4.527 | 4.480     | 4.580 | 13.000             | 10.000            | 30.0 |
| gamma-BHC (Lindane)  | 4.330 | 4.280     | 4.380 | 11.950             | 10.000            | 19.5 |
| Endrin               | 6.575 | 6.500     | 6.650 | 54.760             | 50.000            | 9.5  |
| 4,4'-DDT             | 7.025 | 6.950     | 7.100 | 107.830            | 100.000           | 7.8  |
| Methoxychlor         | 7.501 | 7.430     | 7.570 | 277.790            | 250.000           | 11.1 |

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No. (PEM): PEM - PL091605.D Date Analyzed: 09/10/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:10

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 7.922 | 7.820     | 8.020 | 22.940             | 20.000            | 14.7 |
| Tetrachloro-m-xylene | 2.781 | 2.730     | 2.830 | 23.390             | 20.000            | 17.0 |
| alpha-BHC            | 3.284 | 3.230     | 3.330 | 11.100             | 10.000            | 11.0 |
| beta-BHC             | 3.914 | 3.860     | 3.960 | 12.000             | 10.000            | 20.0 |
| gamma-BHC (Lindane)  | 3.614 | 3.560     | 3.660 | 10.840             | 10.000            | 8.4  |
| Endrin               | 5.647 | 5.580     | 5.720 | 56.450             | 50.000            | 12.9 |
| 4,4'-DDT             | 6.045 | 5.970     | 6.120 | 129.210            | 100.000           | 29.2 |
| Methoxychlor         | 6.620 | 6.550     | 6.690 | 305.340            | 250.000           | 22.1 |

Data File: PEM  
 PL091605.D Date Acquired 9/10/2024 11:10  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.57 | 72813321.39 | 77582179.48           | 4768858.1           | 6.15         |
| Endrin aldehyde | 6.93 | 1444044.451 |                       |                     |              |
| Endrin ketone   | 7.64 | 3324813.646 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.65 | 106535033.3 | 113066183.6           | 6531150.27          | 5.78         |
| Endrin aldehyde #2 | 6.12 | 2654812.656 |                       |                     |              |
| Endrin ketone #2   | 6.85 | 3876337.612 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.03 | 141451745   | 145081388.4               | 3629643.42            | 2.50         |
| 4,4'-DDE | 6.19 | 270906.169  |                           |                       |              |
| 4,4'-DDD | 6.71 | 3358737.251 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.05 | 207619685.7 | 212586267.2               | 4966581.5             | 2.34         |
| 4,4'-DDE #2 | 5.24 | 271555.228  |                           |                       |              |
| 4,4'-DDD #2 | 5.79 | 4695026.274 |                           |                       |              |



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
 Data File : PL091605.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Sep 2024 11:10  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
 Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 11 05:30:29 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.542 | 2.781 | 36550814 | 43739029 | 23.451  | 23.386  |
| 28)                         | SA Decachlor... | 9.056 | 7.922 | 25400156 | 42359051 | 20.900  | 22.940  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.997 | 3.284 | 25910594 | 29519258 | 11.996  | 11.099  |
| 3)                          | MA gamma-BHC... | 4.330 | 3.614 | 24564621 | 26668614 | 11.950  | 10.843  |
| 6)                          | B beta-BHC      | 4.527 | 3.914 | 11830686 | 13107149 | 13.000  | 11.998  |
| 12)                         | B 4,4'-DDE      | 6.194 | 5.243 | 270906   | 271555   | 0.186m  | 0.143m  |
| 14)                         | MA Endrin       | 6.575 | 5.647 | 72813321 | 106.5E6  | 54.760m | 56.452  |
| 16)                         | A 4,4'-DDD      | 6.713 | 5.794 | 3358737  | 4695026  | 2.650   | 2.802m  |
| 17)                         | MA 4,4'-DDT     | 7.025 | 6.045 | 141.5E6  | 207.6E6  | 107.834 | 129.214 |
| 18)                         | B Endrin al...  | 6.926 | 6.121 | 1444044  | 2654813  | 1.215   | 1.942 # |
| 20)                         | A Methoxychlor  | 7.501 | 6.620 | 187.9E6  | 270.5E6  | 277.788 | 305.340 |
| 21)                         | B Endrin ke...  | 7.644 | 6.848 | 3324814  | 3876338  | 2.150   | 1.927   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
Data File : PL091605.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 11:10  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

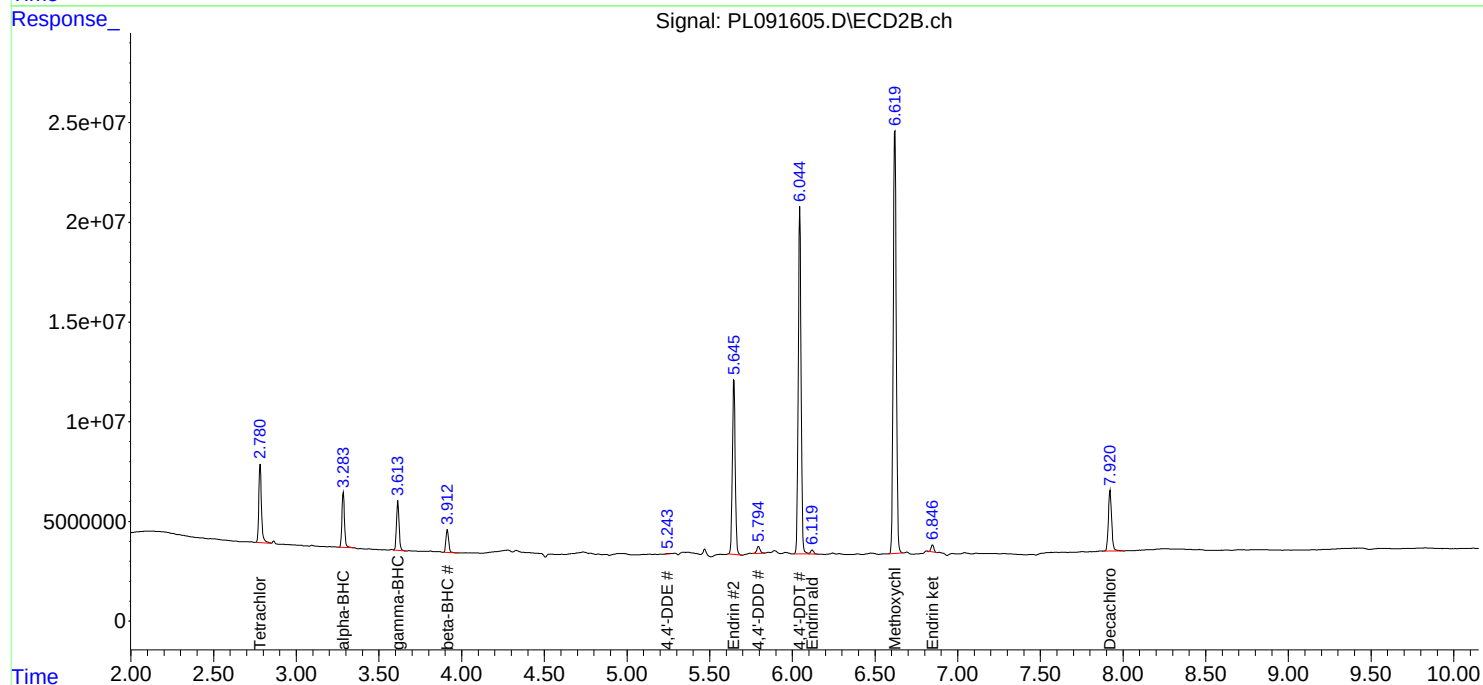
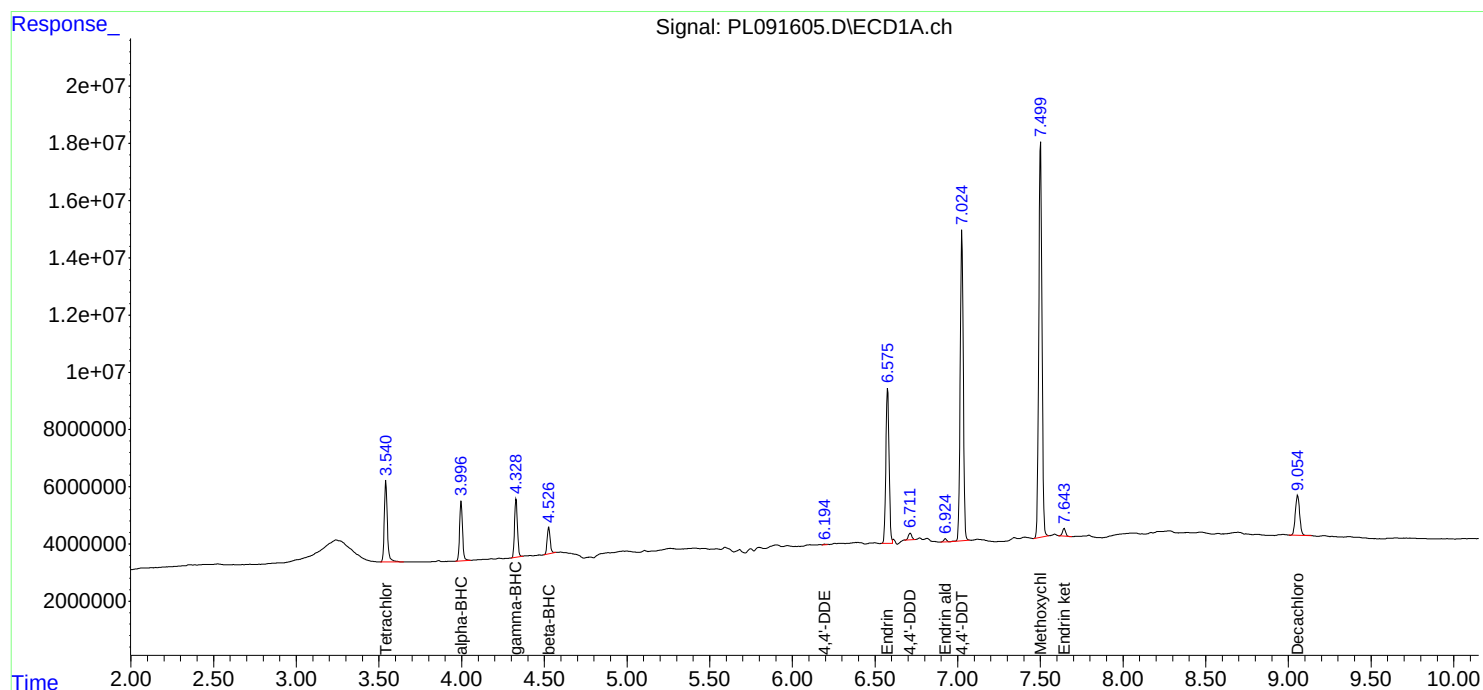
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

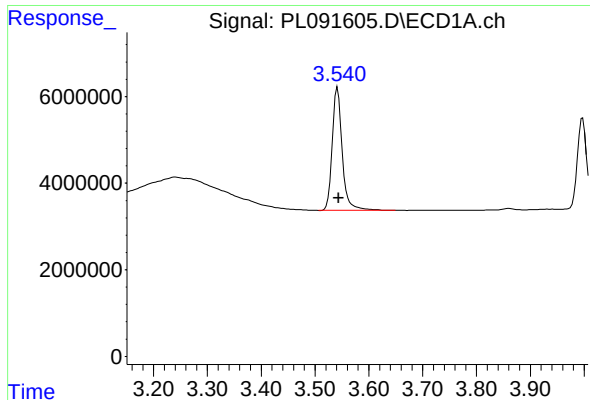
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 09/11/2024  
Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 11 05:30:29 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





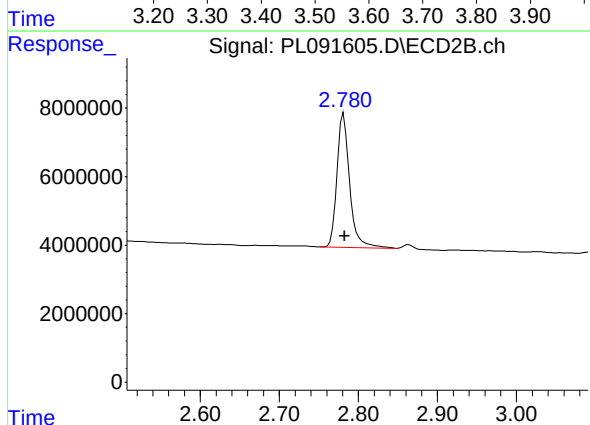
#1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 36550814  
Conc: 23.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

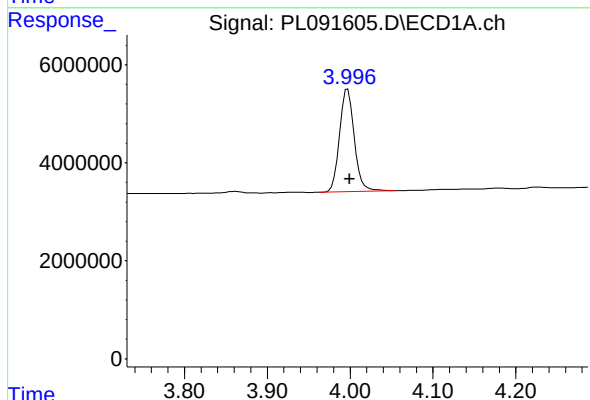
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



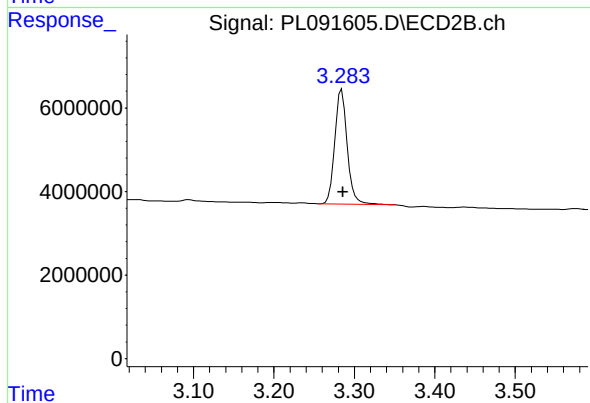
#1 Tetrachloro-m-xylene

R.T.: 2.781 min  
Delta R.T.: -0.001 min  
Response: 43739029  
Conc: 23.39 ng/ml



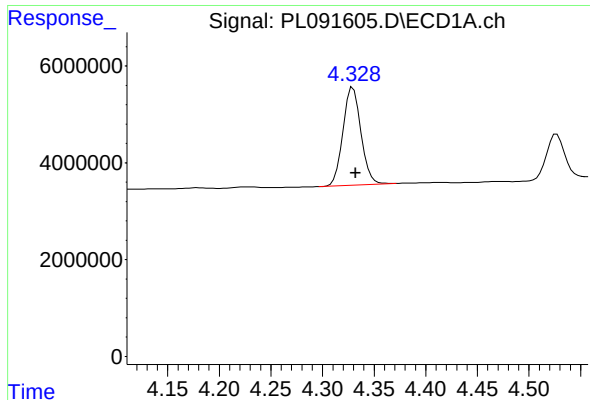
#2 alpha-BHC

R.T.: 3.997 min  
Delta R.T.: -0.002 min  
Response: 25910594  
Conc: 12.00 ng/ml



#2 alpha-BHC

R.T.: 3.284 min  
Delta R.T.: -0.002 min  
Response: 29519258  
Conc: 11.10 ng/ml



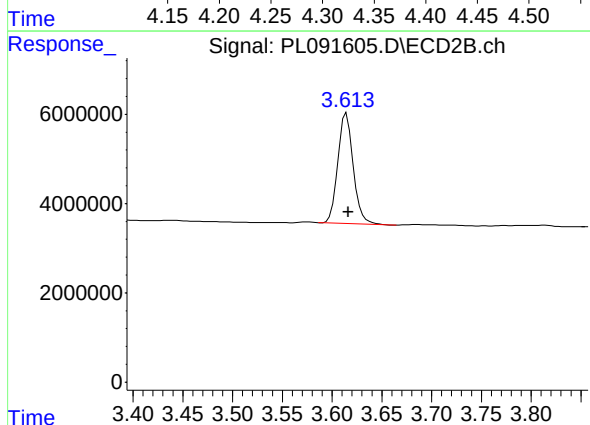
#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: -0.002 min  
Response: 24564621  
Conc: 11.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

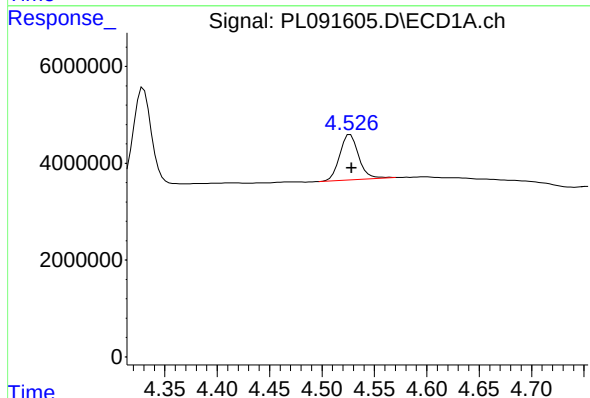
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



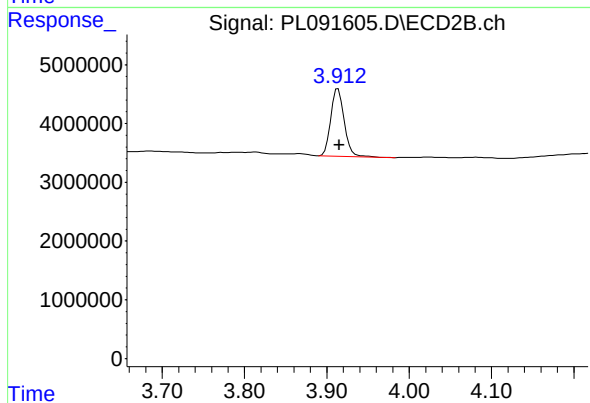
#3 gamma-BHC (Lindane)

R.T.: 3.614 min  
Delta R.T.: -0.002 min  
Response: 26668614  
Conc: 10.84 ng/ml



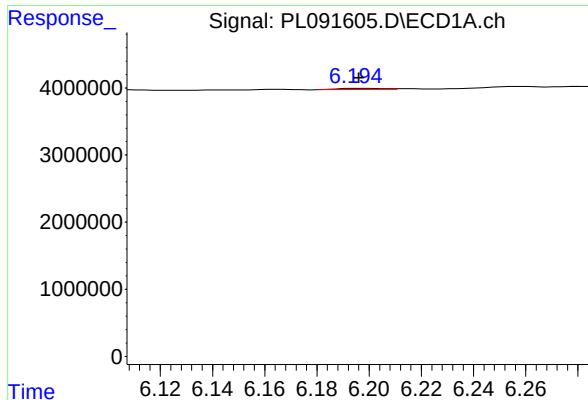
#6 beta-BHC

R.T.: 4.527 min  
Delta R.T.: -0.002 min  
Response: 11830686  
Conc: 13.00 ng/ml



#6 beta-BHC

R.T.: 3.914 min  
Delta R.T.: -0.002 min  
Response: 13107149  
Conc: 12.00 ng/ml



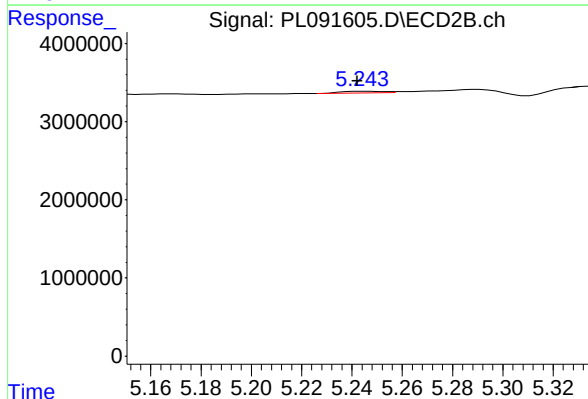
#12 4,4'-DDE

R.T.: 6.194 min  
Delta R.T.: -0.002 min  
Response: 270906  
Conc: 0.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

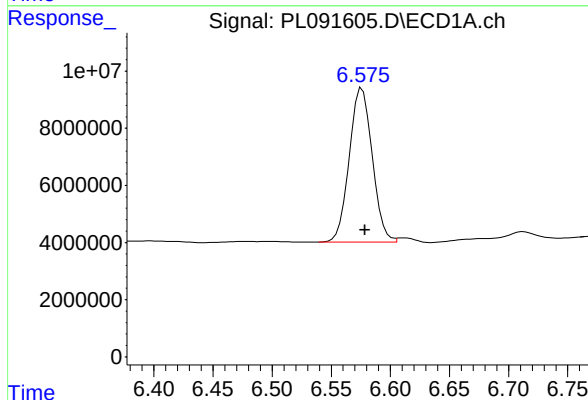
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



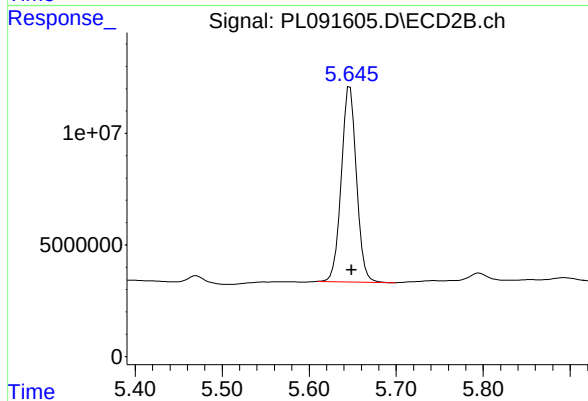
#12 4,4'-DDE

R.T.: 5.243 min  
Delta R.T.: 0.000 min  
Response: 271555  
Conc: 0.14 ng/ml



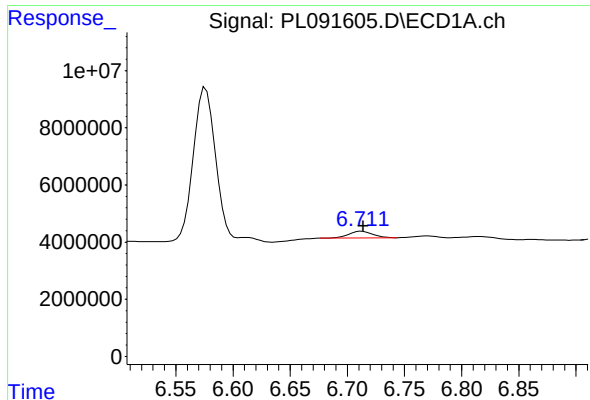
#14 Endrin

R.T.: 6.575 min  
Delta R.T.: -0.004 min  
Response: 72813321  
Conc: 54.76 ng/ml



#14 Endrin

R.T.: 5.647 min  
Delta R.T.: -0.002 min  
Response: 106535033  
Conc: 56.45 ng/ml



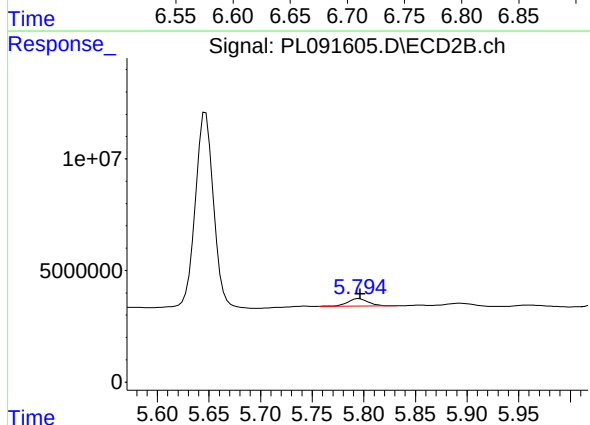
#16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: -0.001 min  
Response: 3358737  
Conc: 2.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

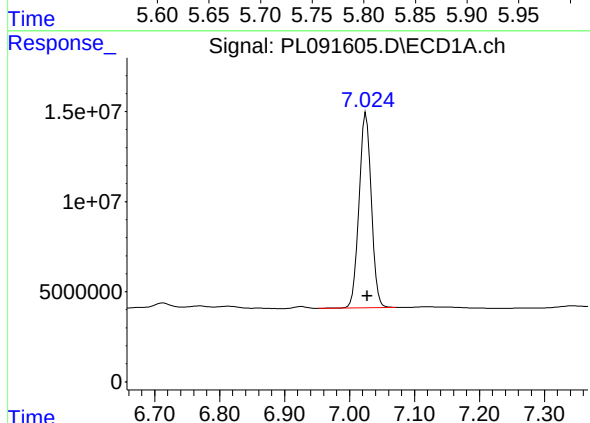
Manual Integrations  
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Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



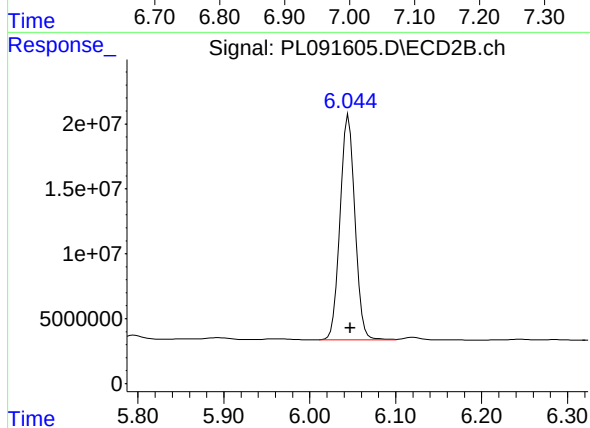
#16 4,4'-DDD

R.T.: 5.794 min  
Delta R.T.: -0.003 min  
Response: 4695026  
Conc: 2.80 ng/ml



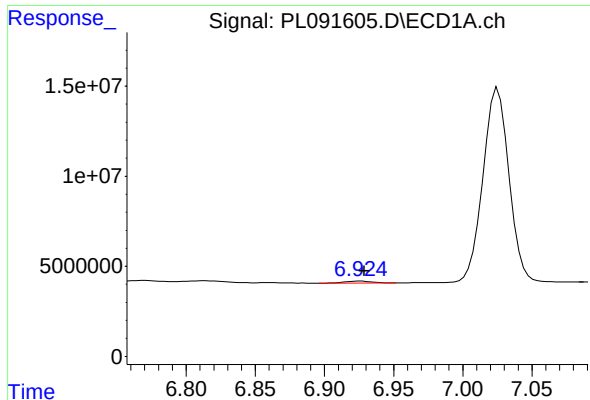
#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: -0.002 min  
Response: 141451745  
Conc: 107.83 ng/ml



#17 4,4'-DDT

R.T.: 6.045 min  
Delta R.T.: -0.002 min  
Response: 207619686  
Conc: 129.21 ng/ml



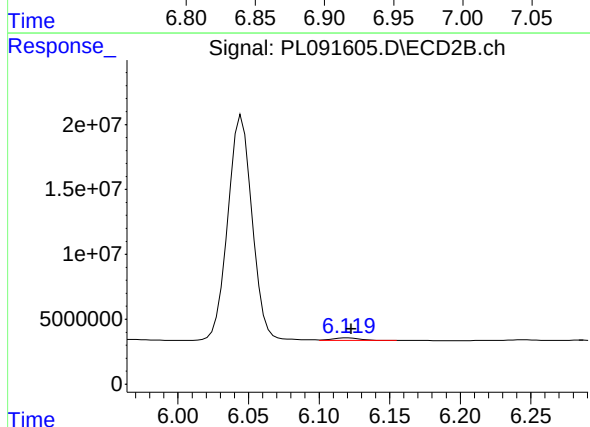
#18 Endrin aldehyde

R.T.: 6.926 min  
Delta R.T.: -0.003 min  
Response: 1444044  
Conc: 1.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

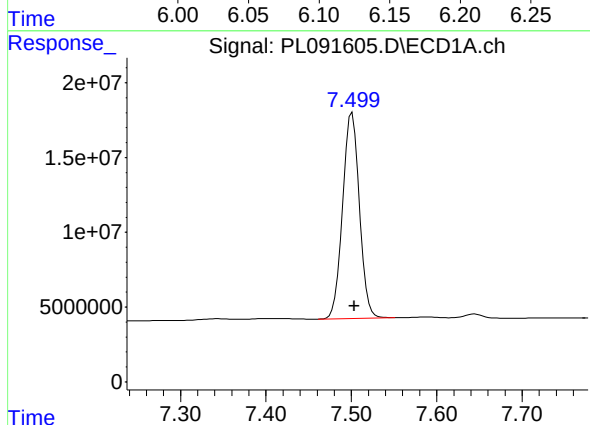
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



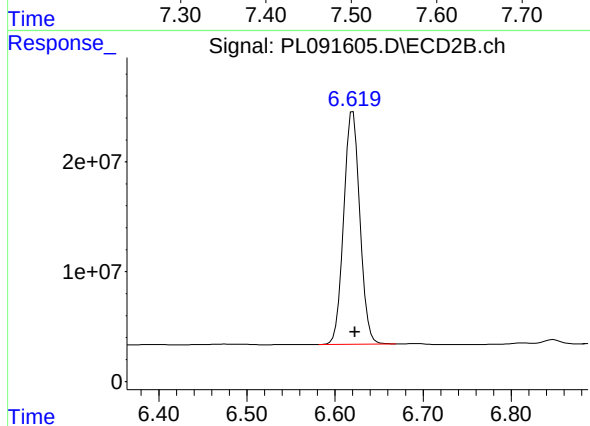
#18 Endrin aldehyde

R.T.: 6.121 min  
Delta R.T.: -0.002 min  
Response: 2654813  
Conc: 1.94 ng/ml



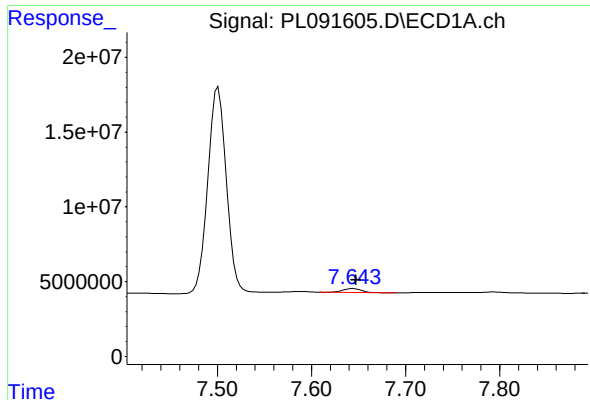
#20 Methoxychlor

R.T.: 7.501 min  
Delta R.T.: -0.002 min  
Response: 187914381  
Conc: 277.79 ng/ml



#20 Methoxychlor

R.T.: 6.620 min  
Delta R.T.: -0.002 min  
Response: 270459042  
Conc: 305.34 ng/ml



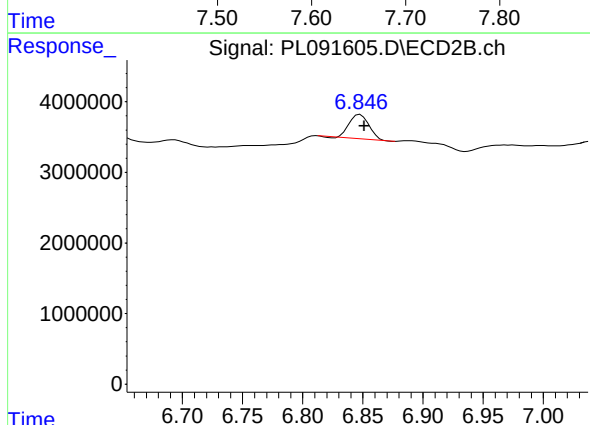
#21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: -0.003 min  
Response: 3324814  
Conc: 2.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

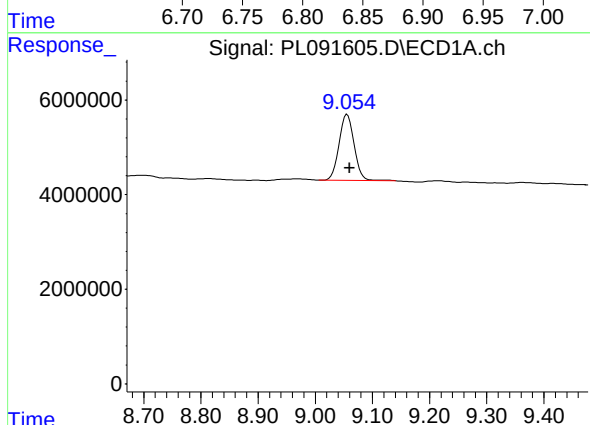
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



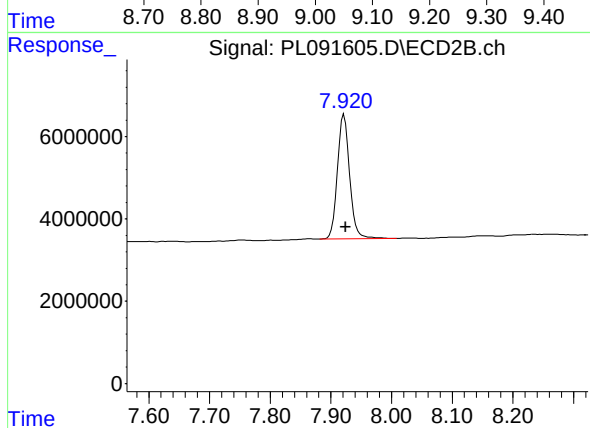
#21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: -0.003 min  
Response: 3876338  
Conc: 1.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: -0.005 min  
Response: 25400156  
Conc: 20.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.922 min  
Delta R.T.: -0.003 min  
Response: 42359051  
Conc: 22.94 ng/ml



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D Date Analyzed: 09/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:05

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.061 | 8.960     | 9.160 | 19.830     | 20.000     | -0.9  |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 20.070     | 20.000     | 0.4   |
| alpha-BHC            | 3.999 | 3.950     | 4.050 | 10.180     | 10.000     | 1.8   |
| beta-BHC             | 4.529 | 4.480     | 4.580 | 10.750     | 10.000     | 7.5   |
| gamma-BHC (Lindane)  | 4.332 | 4.280     | 4.380 | 10.100     | 10.000     | 1.0   |
| Endrin               | 6.579 | 6.510     | 6.650 | 43.290     | 50.000     | -13.4 |
| 4,4'-DDT             | 7.028 | 6.960     | 7.100 | 90.240     | 100.000    | -9.8  |
| Methoxychlor         | 7.504 | 7.430     | 7.570 | 212.390    | 250.000    | -15.0 |

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D Date Analyzed: 09/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:05

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 7.923 | 7.820     | 8.020 | 19.350     | 20.000     | -3.3  |
| Tetrachloro-m-xylene | 2.782 | 2.730     | 2.830 | 19.290     | 20.000     | -3.6  |
| alpha-BHC            | 3.285 | 3.230     | 3.340 | 9.220      | 10.000     | -7.8  |
| beta-BHC             | 3.915 | 3.860     | 3.970 | 10.540     | 10.000     | 5.4   |
| gamma-BHC (Lindane)  | 3.616 | 3.570     | 3.670 | 8.880      | 10.000     | -11.2 |
| Endrin               | 5.648 | 5.580     | 5.720 | 46.450     | 50.000     | -7.1  |
| 4,4'-DDT             | 6.047 | 5.980     | 6.120 | 104.950    | 100.000    | 5.0   |
| Methoxychlor         | 6.621 | 6.550     | 6.690 | 232.550    | 250.000    | -7.0  |

Data File: PEM  
 PL091954.D Date Acquired 9/23/2024 11:05  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down        |
|-----------------|------|-------------|-----------------------|---------------------|---------------------|
| Endrin          | 6.58 | 89210787.09 | 95624224.03           | 6413436.94          | Down<br><b>6.71</b> |
| Endrin aldehyde | 6.93 | 2005686.368 |                       |                     |                     |
| Endrin ketone   | 7.65 | 4407750.575 |                       |                     |                     |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.65 | 121797718.1 | 130041289.7           | 8243571.59          | <b>6.34</b>  |
| Endrin aldehyde #2 | 6.12 | 3161374.393 |                       |                     |              |
| Endrin ketone #2   | 6.85 | 5082197.197 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.03 | 166145728.9 | 168085243.5               | 1939514.63            | <b>1.15</b>  |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.72 | 1939514.634 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.05 | 242762784.1 | 244890662.1               | 2127877.96            | <b>0.87</b>  |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.80 | 2127877.965 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091954.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 11:05  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/24/2024  
 Supervised By : Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 23 14:04:34 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 14:03:20 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 44655553 | 48372105 | 20.073  | 19.287  |
| 28) SA Decachlor...         | 9.061 | 7.923 | 32491916 | 48400108 | 19.834  | 19.345  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.999 | 3.285 | 31525485 | 33598423 | 10.181  | 9.222   |
| 3) MA gamma-BHC...          | 4.332 | 3.616 | 31299814 | 31345350 | 10.101  | 8.877   |
| 6) B beta-BHC               | 4.529 | 3.915 | 14260072 | 15849227 | 10.751  | 10.544  |
| 14) MA Endrin               | 6.579 | 5.648 | 89210787 | 121.8E6  | 43.292  | 46.449  |
| 16) A 4,4'-DDD              | 6.715 | 5.798 | 1939515  | 2127878  | 1.080   | 0.996   |
| 17) MA 4,4'-DDT             | 7.028 | 6.047 | 166.1E6  | 242.8E6  | 90.238  | 104.948 |
| 18) B Endrin al...          | 6.928 | 6.122 | 2005686  | 3161374  | 1.151   | 1.549 # |
| 20) A Methoxychlor          | 7.504 | 6.621 | 208.5E6  | 290.8E6  | 212.393 | 232.546 |
| 21) B Endrin ke...          | 7.647 | 6.848 | 4407751  | 5082197  | 2.006   | 1.835m  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091954.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 11:05  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

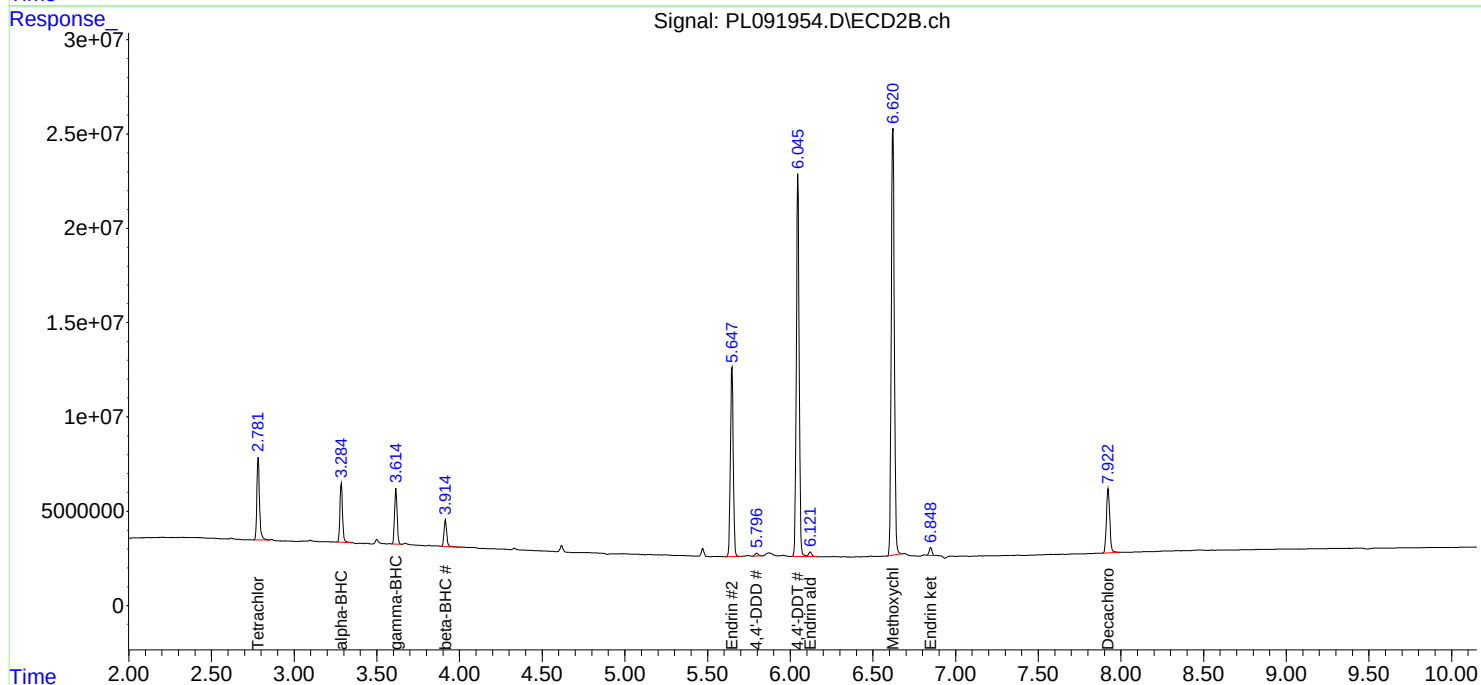
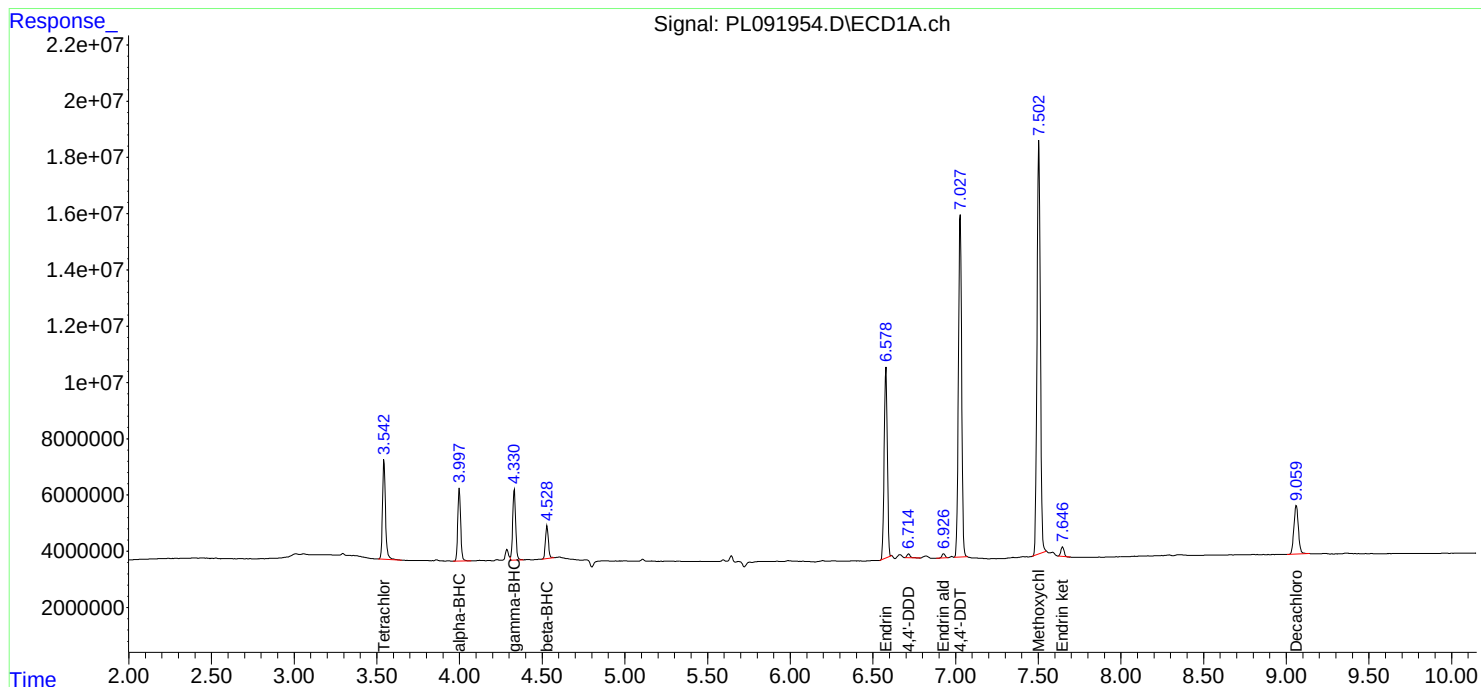
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

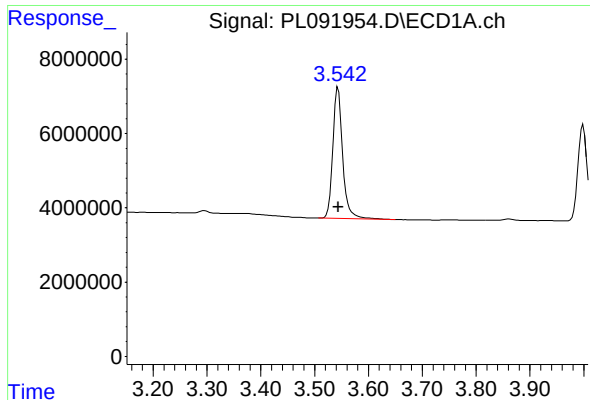
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 09/24/2024  
Supervised By : Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 14:04:34 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:03:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





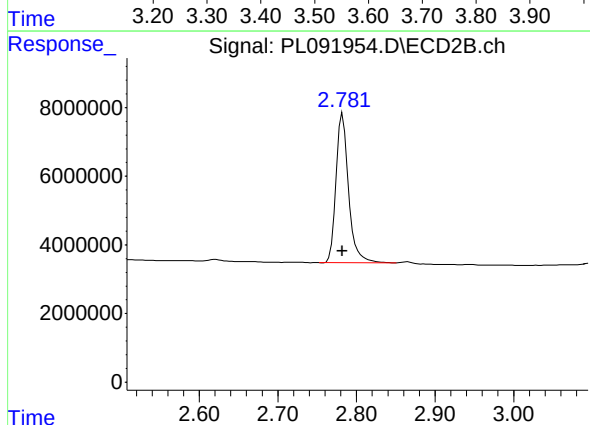
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 44655553  
Conc: 20.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

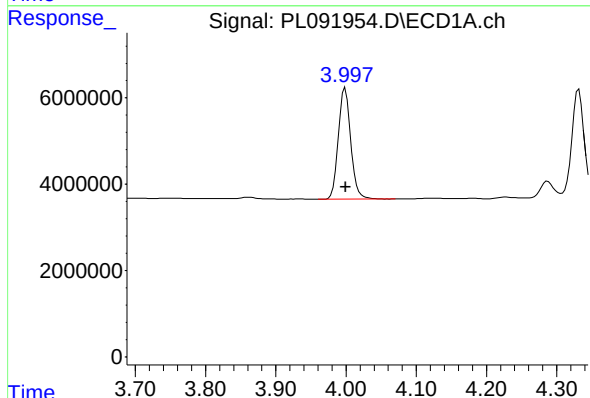
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



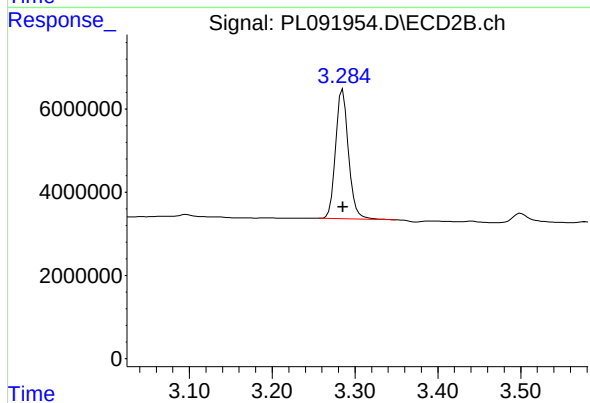
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 48372105  
Conc: 19.29 ng/ml



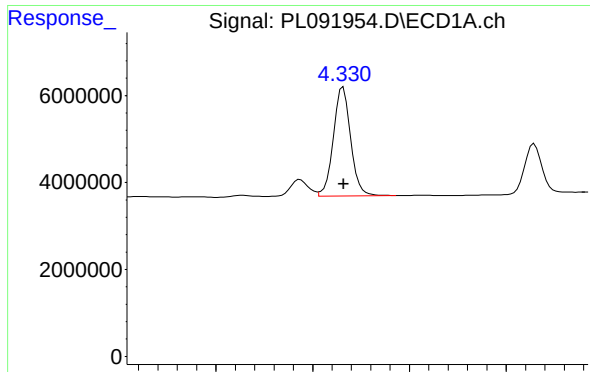
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 31525485  
Conc: 10.18 ng/ml



#2 alpha-BHC

R.T.: 3.285 min  
Delta R.T.: 0.000 min  
Response: 33598423  
Conc: 9.22 ng/ml



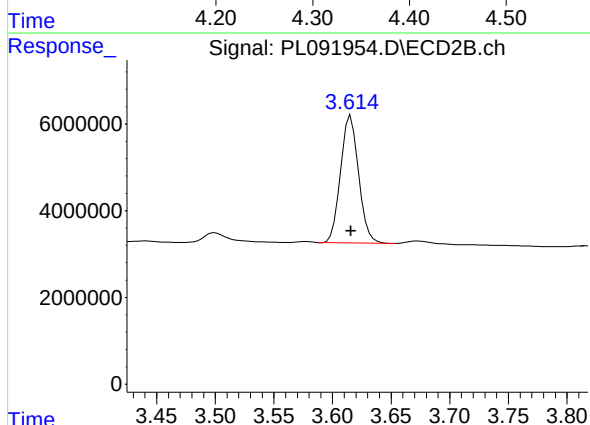
#3 gamma-BHC (Lindane)

R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 31299814  
Conc: 10.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

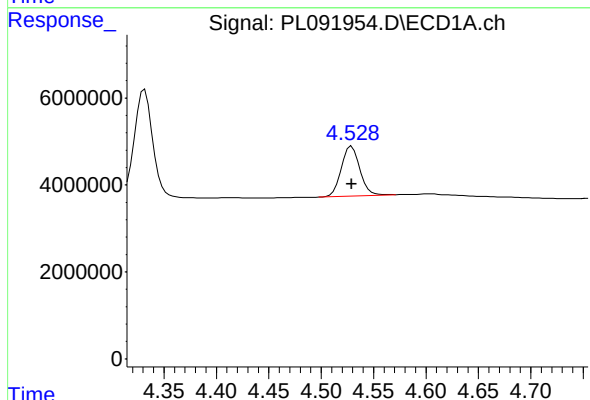
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



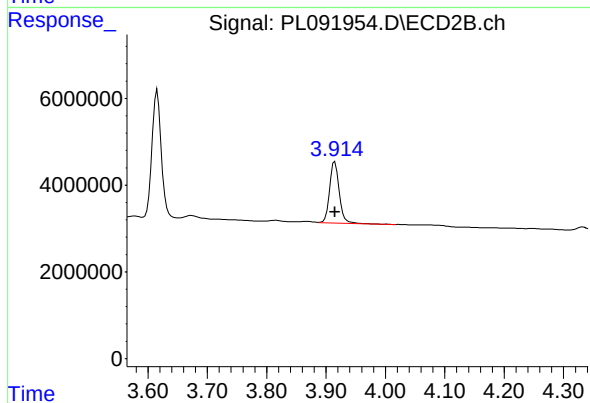
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 31345350  
Conc: 8.88 ng/ml



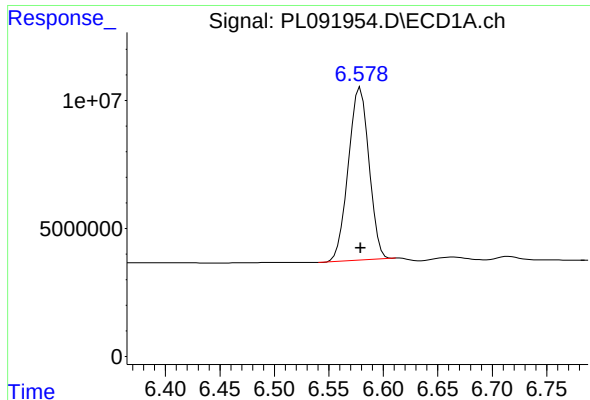
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 14260072  
Conc: 10.75 ng/ml



#6 beta-BHC

R.T.: 3.915 min  
Delta R.T.: 0.000 min  
Response: 15849227  
Conc: 10.54 ng/ml



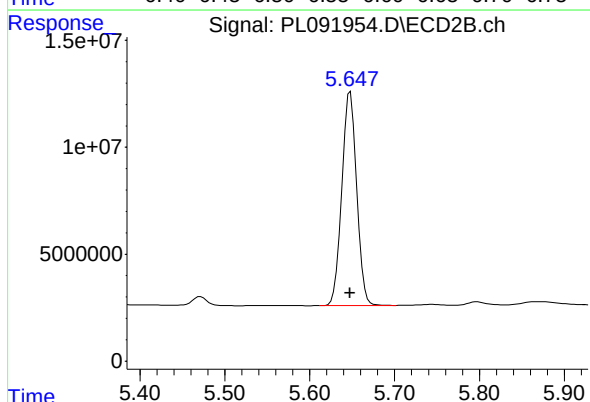
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.000 min  
Response: 89210787  
Conc: 43.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

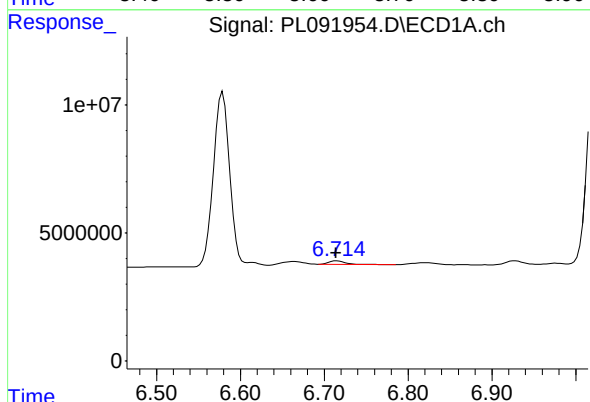
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



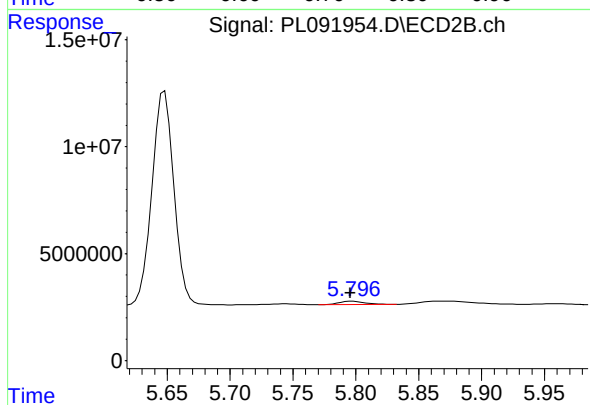
#14 Endrin

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 121797718  
Conc: 46.45 ng/ml



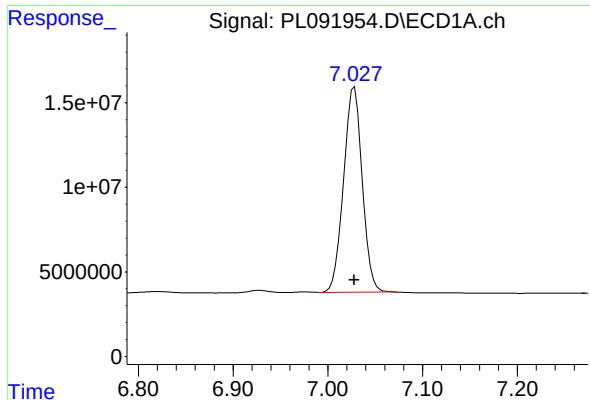
#16 4,4'-DDD

R.T.: 6.715 min  
Delta R.T.: 0.001 min  
Response: 1939515  
Conc: 1.08 ng/ml



#16 4,4'-DDD

R.T.: 5.798 min  
Delta R.T.: 0.002 min  
Response: 2127878  
Conc: 1.00 ng/ml



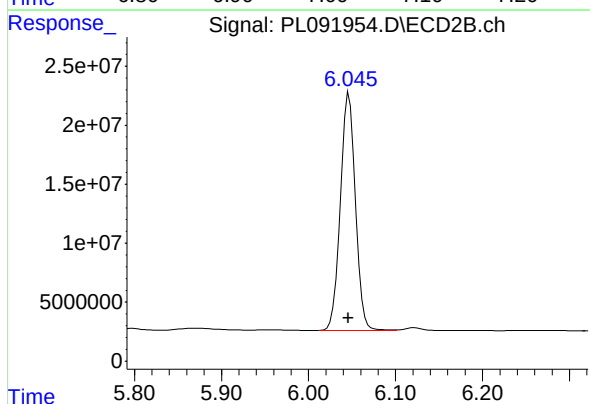
#17 4,4'-DDT

R.T.: 7.028 min  
Delta R.T.: 0.000 min  
Response: 166145729  
Conc: 90.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

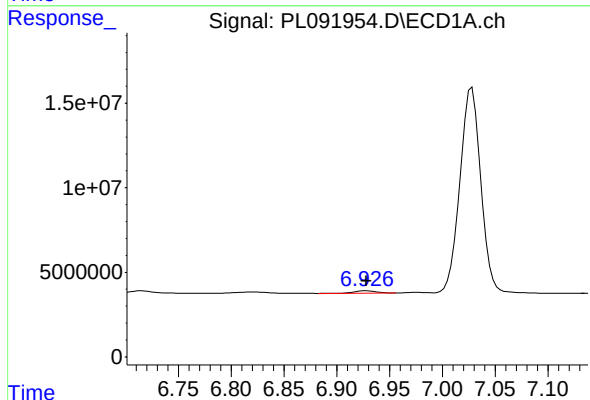
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



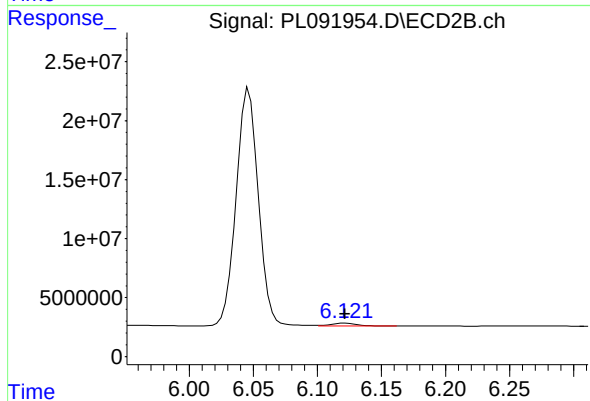
#17 4,4'-DDT

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 242762784  
Conc: 104.95 ng/ml



#18 Endrin aldehyde

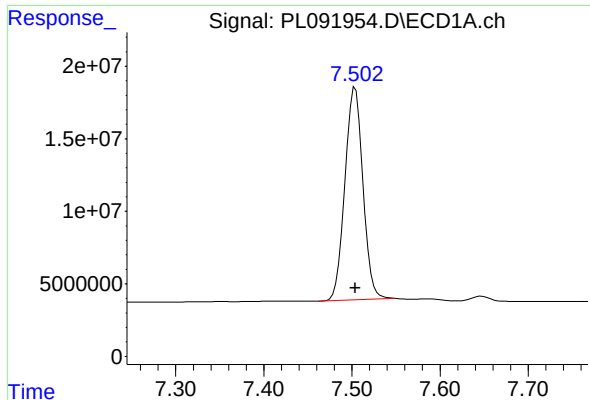
R.T.: 6.928 min  
Delta R.T.: 0.000 min  
Response: 2005686  
Conc: 1.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 3161374  
Conc: 1.55 ng/ml





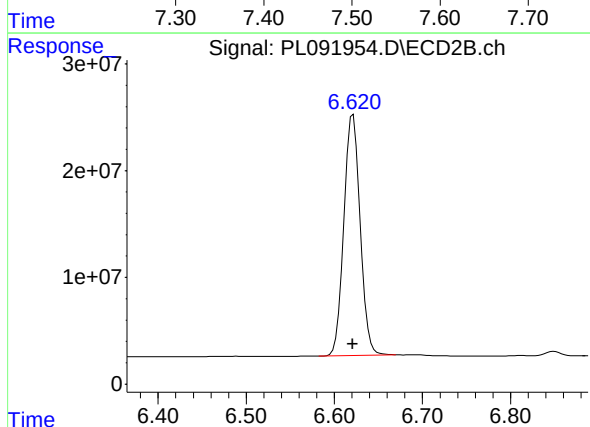
#20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.000 min  
Response: 208508839  
Conc: 212.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

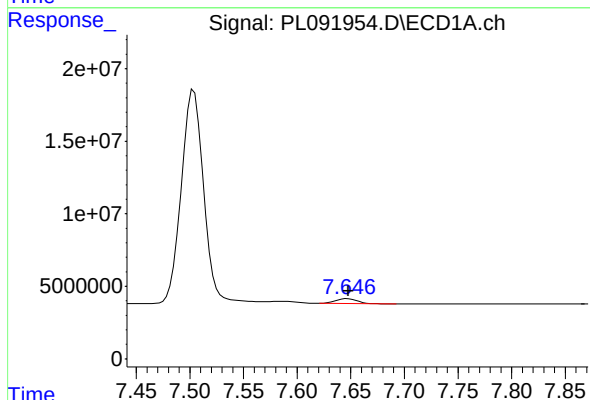
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



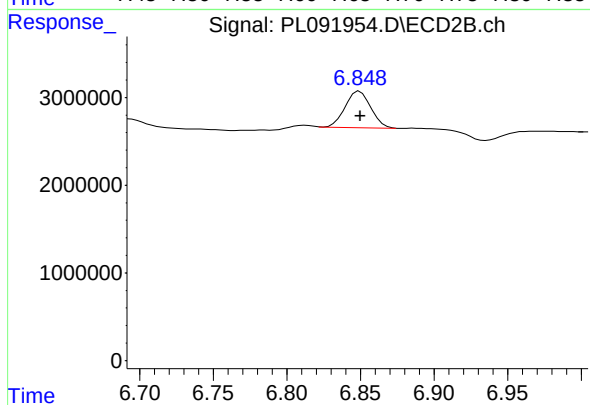
#20 Methoxychlor

R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 290763828  
Conc: 232.55 ng/ml



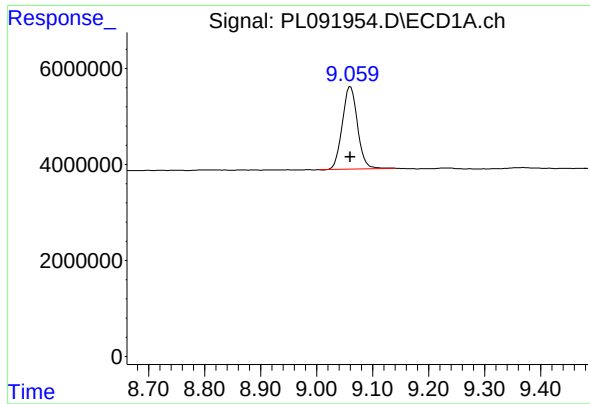
#21 Endrin ketone

R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 4407751  
Conc: 2.01 ng/ml



#21 Endrin ketone

R.T.: 6.848 min  
Delta R.T.: -0.002 min  
Response: 5082197  
Conc: 1.84 ng/ml m



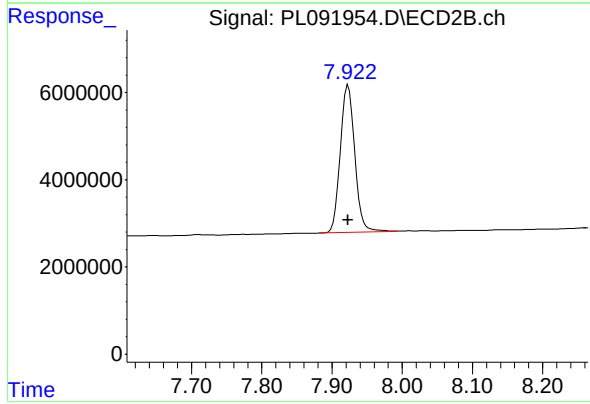
#28 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 32491916  
Conc: 19.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/24/2024  
Supervised By :Ankita Jodhani 09/24/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 48400108  
Conc: 19.35 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091992.D Date Analyzed: 09/24/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:41

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.060 | 8.960     | 9.160 | 20.860     | 20.000     | 4.3   |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 20.890     | 20.000     | 4.5   |
| alpha-BHC            | 4.000 | 3.950     | 4.050 | 10.660     | 10.000     | 6.6   |
| beta-BHC             | 4.529 | 4.480     | 4.580 | 11.130     | 10.000     | 11.3  |
| gamma-BHC (Lindane)  | 4.332 | 4.280     | 4.380 | 10.540     | 10.000     | 5.4   |
| Endrin               | 6.580 | 6.510     | 6.650 | 43.810     | 50.000     | -12.4 |
| 4,4'-DDT             | 7.029 | 6.960     | 7.100 | 92.820     | 100.000    | -7.2  |
| Methoxychlor         | 7.504 | 7.430     | 7.570 | 220.280    | 250.000    | -11.9 |

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091992.D Date Analyzed: 09/24/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:41

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 7.923 | 7.820     | 8.020 | 19.930     | 20.000     | -0.4 |
| Tetrachloro-m-xylene | 2.783 | 2.730     | 2.830 | 20.440     | 20.000     | 2.2  |
| alpha-BHC            | 3.286 | 3.240     | 3.340 | 9.690      | 10.000     | -3.1 |
| beta-BHC             | 3.916 | 3.870     | 3.970 | 10.880     | 10.000     | 8.8  |
| gamma-BHC (Lindane)  | 3.616 | 3.570     | 3.670 | 9.320      | 10.000     | -6.8 |
| Endrin               | 5.648 | 5.580     | 5.720 | 47.520     | 50.000     | -5.0 |
| 4,4'-DDT             | 6.046 | 5.980     | 6.120 | 107.330    | 100.000    | 7.3  |
| Methoxychlor         | 6.622 | 6.550     | 6.690 | 238.680    | 250.000    | -4.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
 Data File : PL091992.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Sep 2024 09:41  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
 Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 25 01:16:37 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 16:44:57 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 46480126 | 51259907 | 20.893  | 20.438  |
| 28)                         | SA Decachlor... | 9.060 | 7.923 | 34175069 | 49861099 | 20.861  | 19.929  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.000 | 3.286 | 33017123 | 35295762 | 10.663  | 9.688   |
| 3)                          | MA gamma-BHC... | 4.332 | 3.616 | 32653851 | 32913901 | 10.538  | 9.321   |
| 6)                          | B beta-BHC      | 4.529 | 3.916 | 14765746 | 16359837 | 11.132  | 10.884  |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.241 | 309648   | 520347   | 0.143m  | 0.187m# |
| 14)                         | MA Endrin       | 6.580 | 5.648 | 90281588 | 124.6E6  | 43.811  | 47.523  |
| 16)                         | A 4,4'-DDD      | 6.715 | 5.797 | 3227978  | 3346257  | 1.798   | 1.566   |
| 17)                         | MA 4,4'-DDT     | 7.029 | 6.046 | 170.9E6  | 248.3E6  | 92.824  | 107.329 |
| 18)                         | B Endrin al...  | 6.929 | 6.122 | 2434228  | 3503830  | 1.397   | 1.717   |
| 20)                         | A Methoxychlor  | 7.504 | 6.622 | 216.3E6  | 298.4E6  | 220.283 | 238.677 |
| 21)                         | B Endrin ke...  | 7.648 | 6.849 | 5464917  | 7142797  | 2.487   | 2.580m  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL091992.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 09:41  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

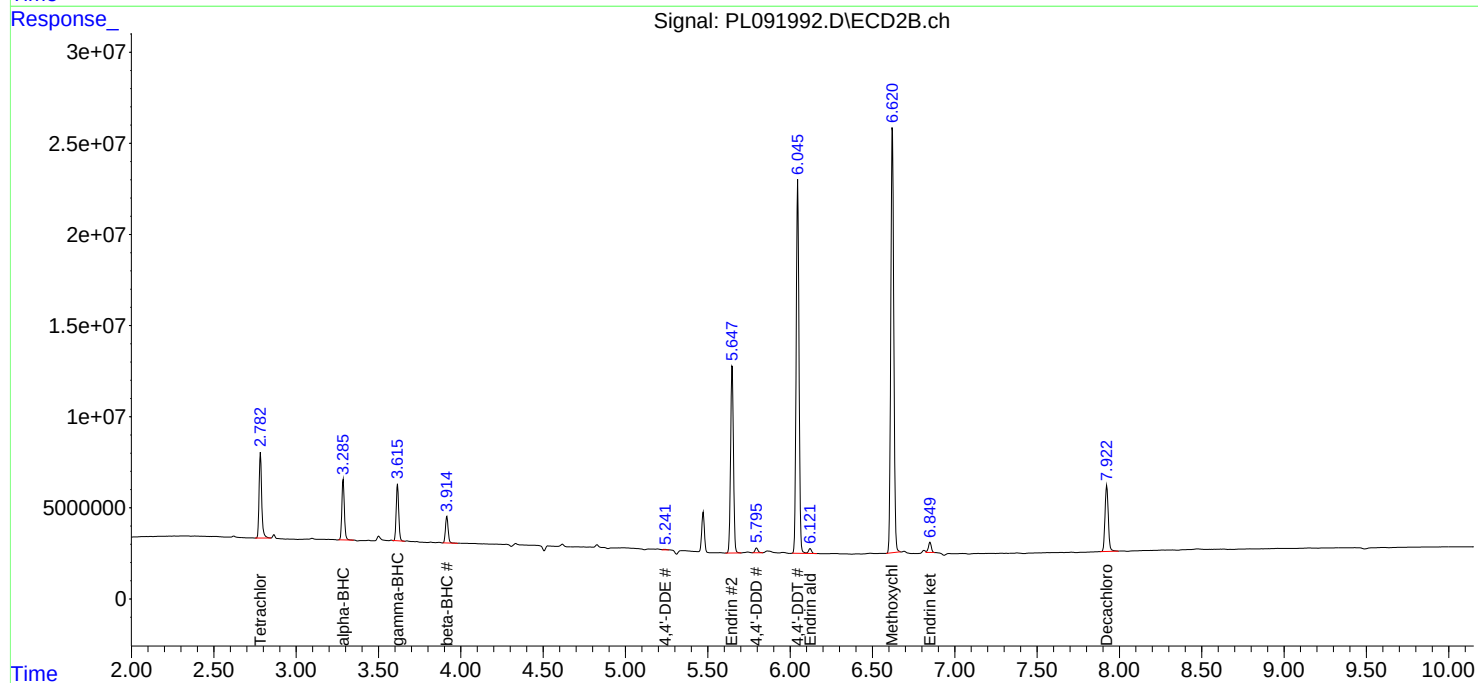
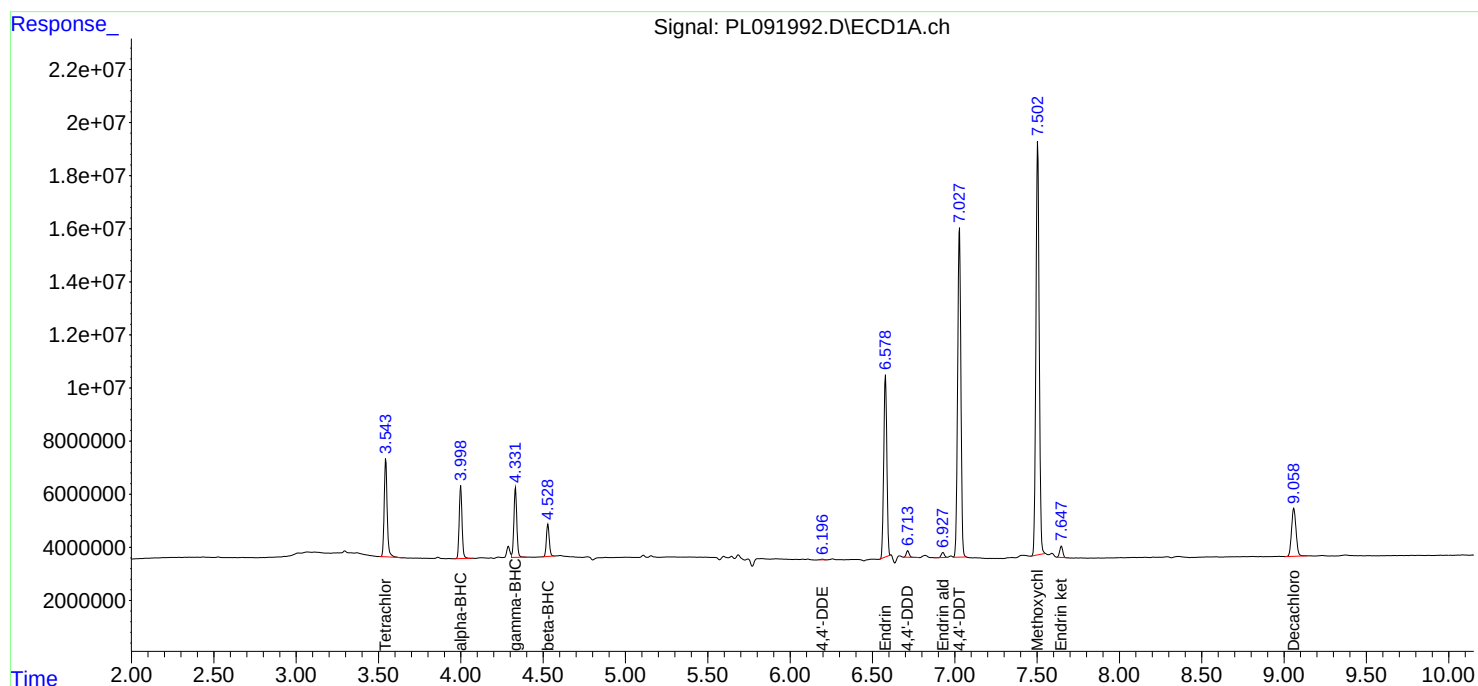
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

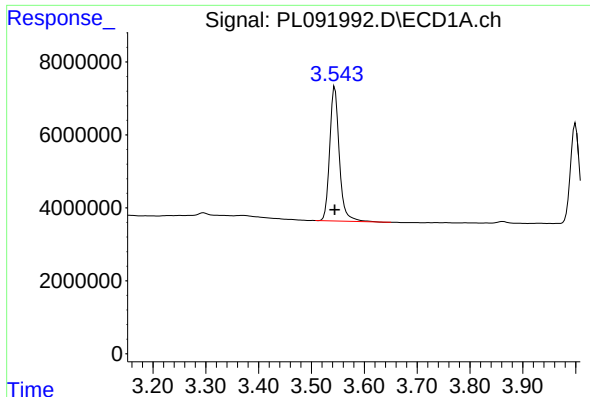
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 09/25/2024  
Supervised By : Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:16:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





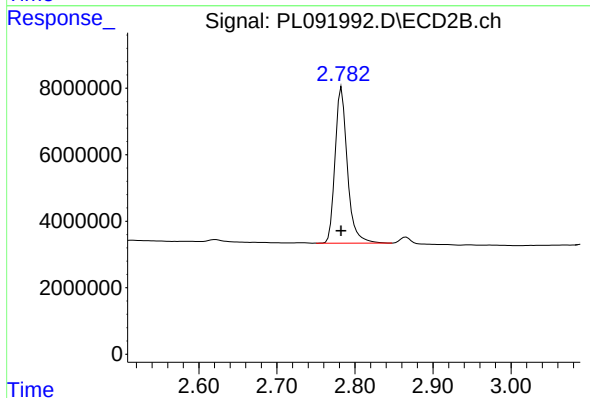
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 46480126  
Conc: 20.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

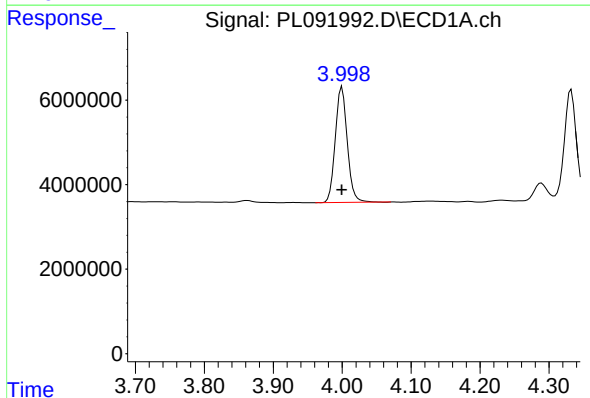
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



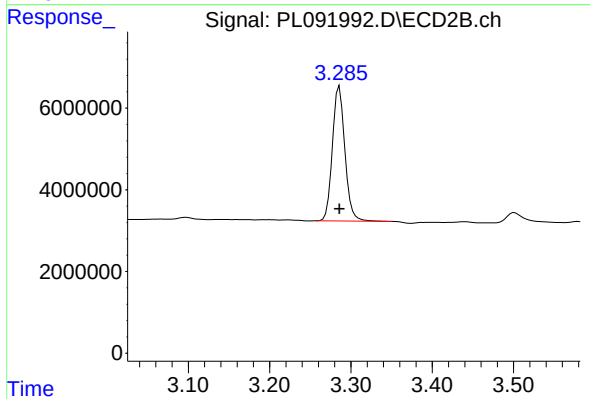
#1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 51259907  
Conc: 20.44 ng/ml



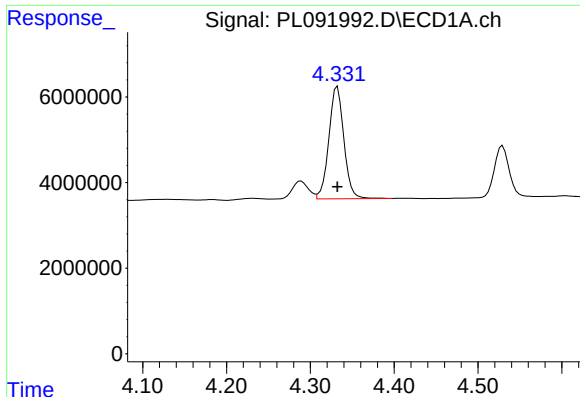
#2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 33017123  
Conc: 10.66 ng/ml



#2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 35295762  
Conc: 9.69 ng/ml



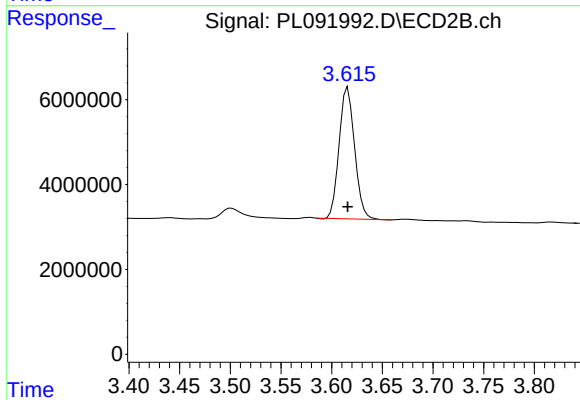
#3 gamma-BHC (Lindane)

R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 32653851  
Conc: 10.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

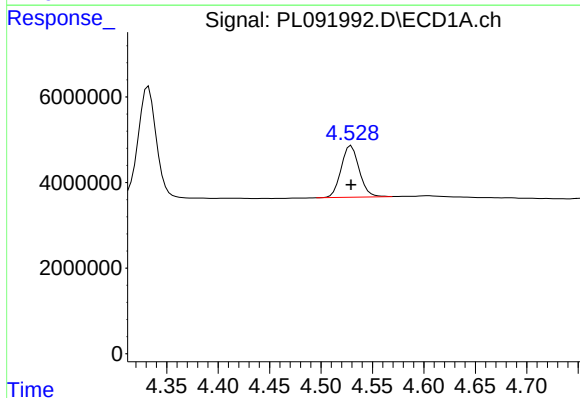
Manual Integrations  
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Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



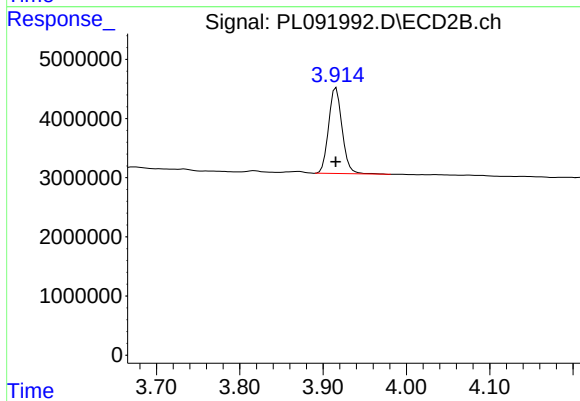
#3 gamma-BHC (Lindane)

R.T.: 3.616 min  
Delta R.T.: 0.000 min  
Response: 32913901  
Conc: 9.32 ng/ml



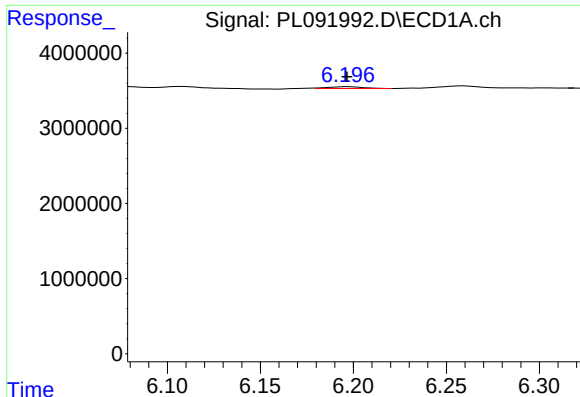
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 14765746  
Conc: 11.13 ng/ml



#6 beta-BHC

R.T.: 3.916 min  
Delta R.T.: 0.000 min  
Response: 16359837  
Conc: 10.88 ng/ml



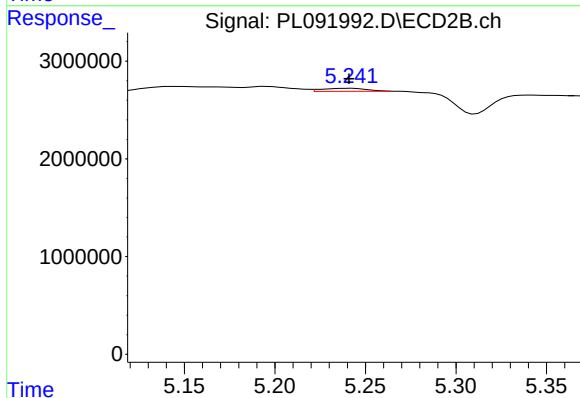
#12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: -0.001 min  
Response: 309648  
Conc: 0.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

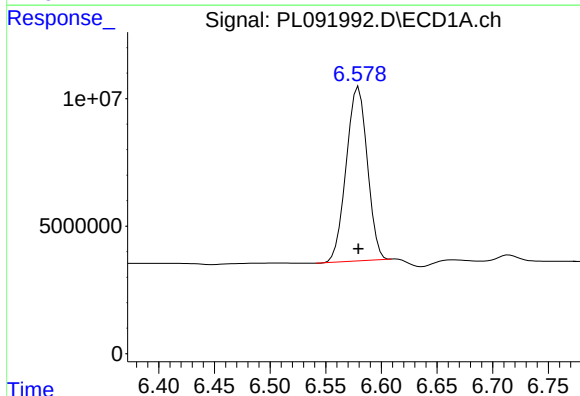
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



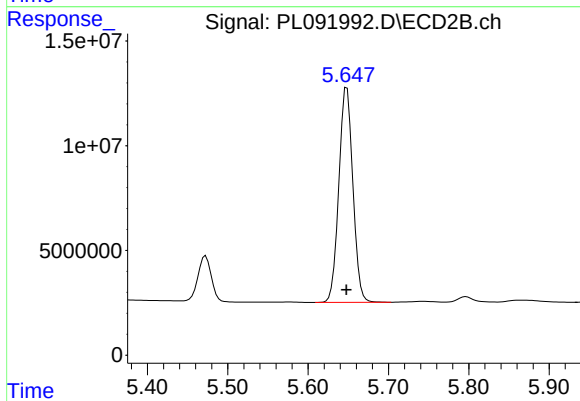
#12 4,4'-DDE

R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 520347  
Conc: 0.19 ng/ml m



#14 Endrin

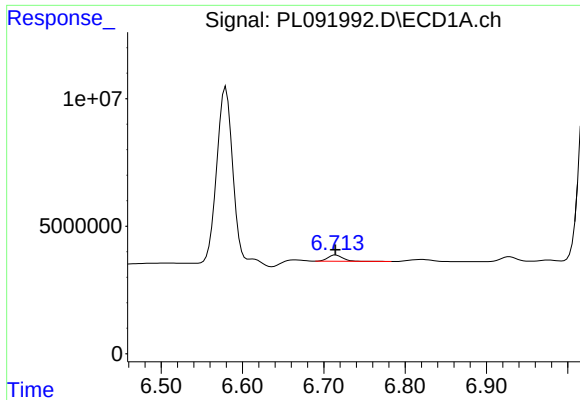
R.T.: 6.580 min  
Delta R.T.: 0.000 min  
Response: 90281588  
Conc: 43.81 ng/ml



#14 Endrin

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 124613561  
Conc: 47.52 ng/ml





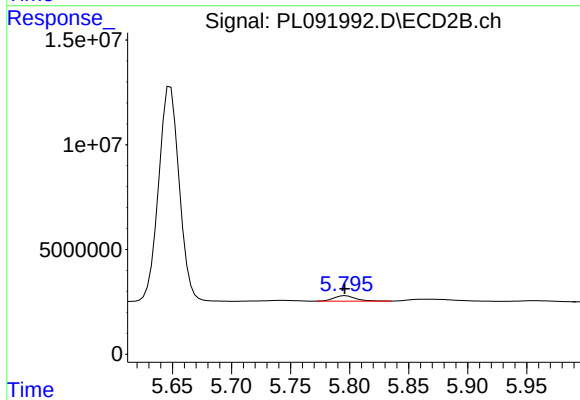
#16 4,4'-DDD

R.T.: 6.715 min  
Delta R.T.: 0.000 min  
Response: 3227978  
Conc: 1.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

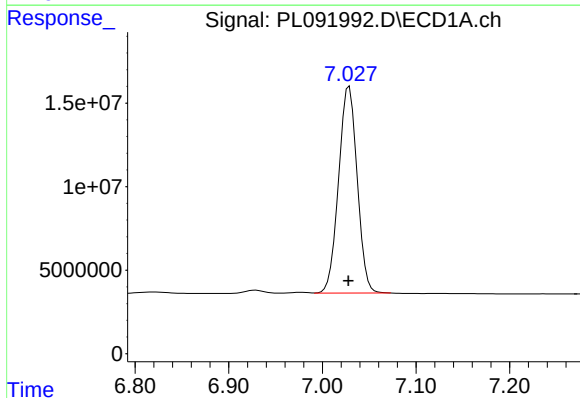
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



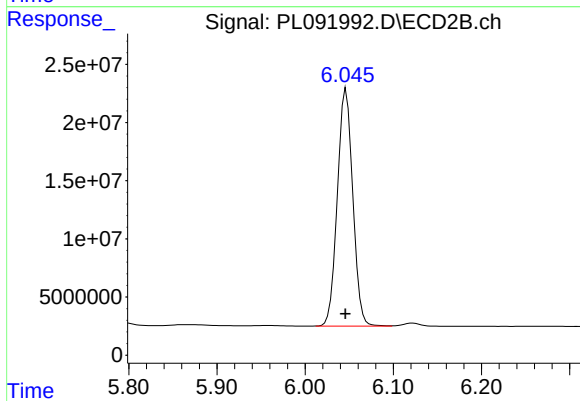
#16 4,4'-DDD

R.T.: 5.797 min  
Delta R.T.: 0.000 min  
Response: 3346257  
Conc: 1.57 ng/ml



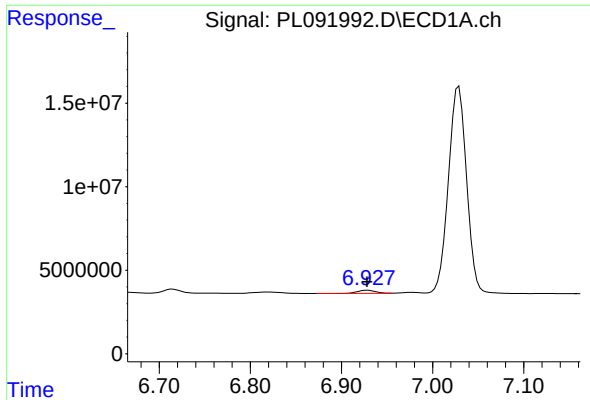
#17 4,4'-DDT

R.T.: 7.029 min  
Delta R.T.: 0.000 min  
Response: 170907398  
Conc: 92.82 ng/ml



#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: 0.000 min  
Response: 248269696  
Conc: 107.33 ng/ml



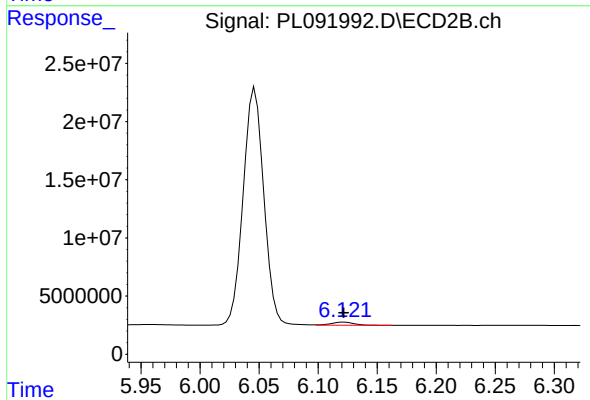
#18 Endrin aldehyde

R.T.: 6.929 min  
Delta R.T.: 0.000 min  
Response: 2434228  
Conc: 1.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

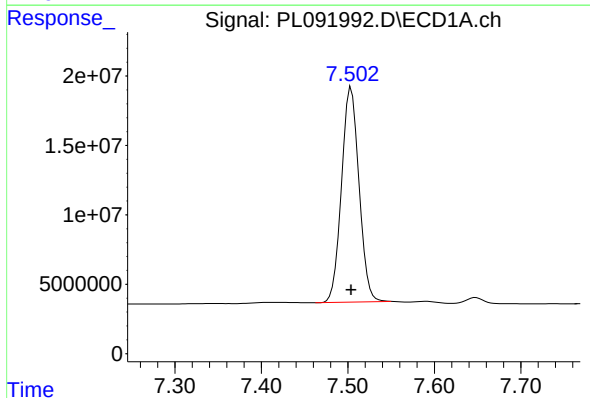
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



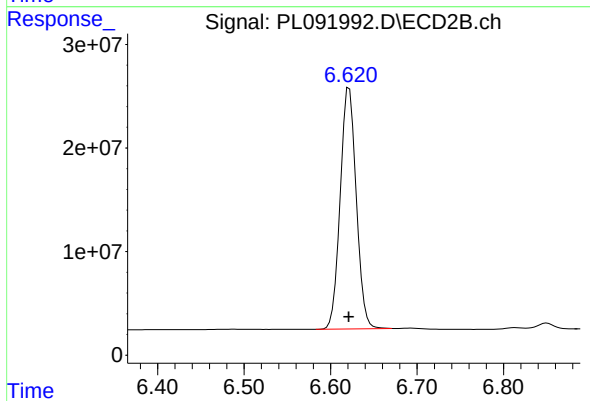
#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 3503830  
Conc: 1.72 ng/ml



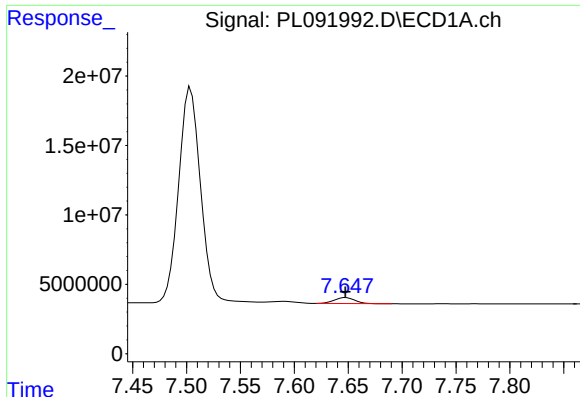
#20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.000 min  
Response: 216254245  
Conc: 220.28 ng/ml



#20 Methoxychlor

R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 298429665  
Conc: 238.68 ng/ml



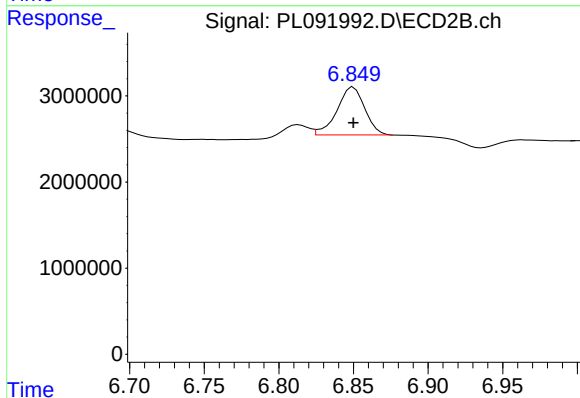
#21 Endrin ketone

R.T.: 7.648 min  
Delta R.T.: 0.000 min  
Response: 5464917  
Conc: 2.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

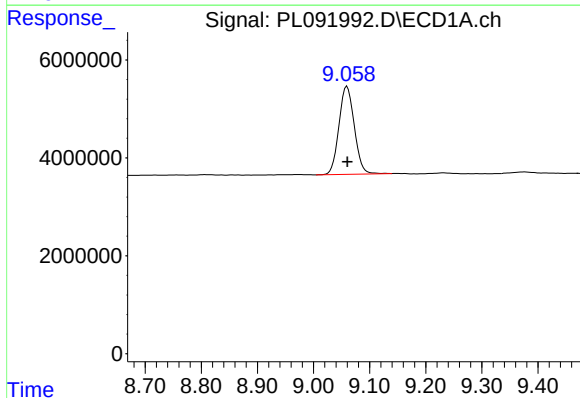
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/25/2024  
Supervised By :Ankita Jodhani 09/25/2024



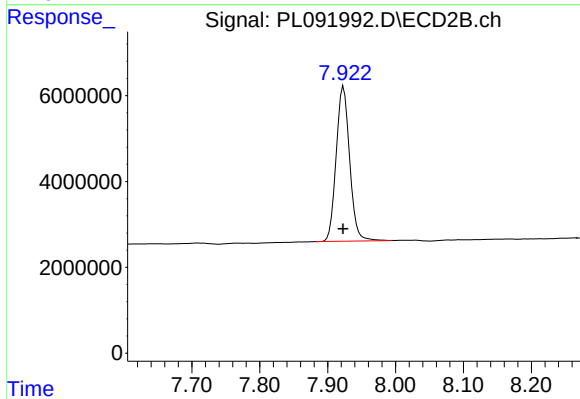
#21 Endrin ketone

R.T.: 6.849 min  
Delta R.T.: -0.001 min  
Response: 7142797  
Conc: 2.58 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 34175069  
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 49861099  
Conc: 19.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091570.D  
Acq On : 09 Sep 2024 15:17  
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\PL090924.M  
Title : GC Extractables  
Last Update : Mon Sep 09 17:50:55 2024  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.544 | 5.944 | 100.00%    |
| 5.944 | 6.074 | 100.00%    |
| 6.074 | 6.197 | 100.00%    |
| 6.197 | 6.349 | 100.00%    |
| 6.349 | 7.162 | 100.00%    |
| 7.162 | 7.504 | 100.00%    |
| 7.504 | 7.647 | 100.00%    |
| 7.647 | 9.060 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.782 | 4.989 | 100.00% |
| 4.989 | 5.109 | 100.00% |
| 5.109 | 5.242 | 100.00% |
| 5.242 | 5.373 | 100.00% |
| 5.373 | 6.345 | 100.00% |
| 6.345 | 6.622 | 100.00% |
| 6.622 | 6.851 | 100.00% |
| 6.851 | 7.925 | 100.00% |

PL090924.M Mon Sep 09 18:16:09 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
 Data File : PL091570.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 15:17  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RESCHK

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/11/2024  
 Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 18:13:52 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:50:55 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.782 | 30851580 | 38048112 | 19.794 | 20.343 |
| 28)                         | SA Decachlor... | 9.060 | 7.925 | 25524178 | 36611918 | 21.002 | 19.827 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 9)                          | A Endosulfan I  | 6.074 | 5.109 | 16017121 | 18569140 | 10.280 | 9.625  |
| 10)                         | B gamma-Chl...  | 5.944 | 4.988 | 17694112 | 20911689 | 10.590 | 9.481m |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.242 | 28735417 | 35669134 | 19.700 | 18.806 |
| 13)                         | MA Dieldrin     | 6.349 | 5.373 | 31529286 | 38325149 | 19.322 | 18.646 |
| 19)                         | B Endosulfa...  | 7.162 | 6.345 | 25857434 | 34823282 | 18.517 | 20.292 |
| 20)                         | A Methoxychlor  | 7.504 | 6.622 | 63221561 | 84026502 | 93.458 | 94.863 |
| 21)                         | B Endrin ke...  | 7.647 | 6.851 | 30003011 | 37209045 | 19.403 | 18.499 |
| -----                       |                 |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091570.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 15:17  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

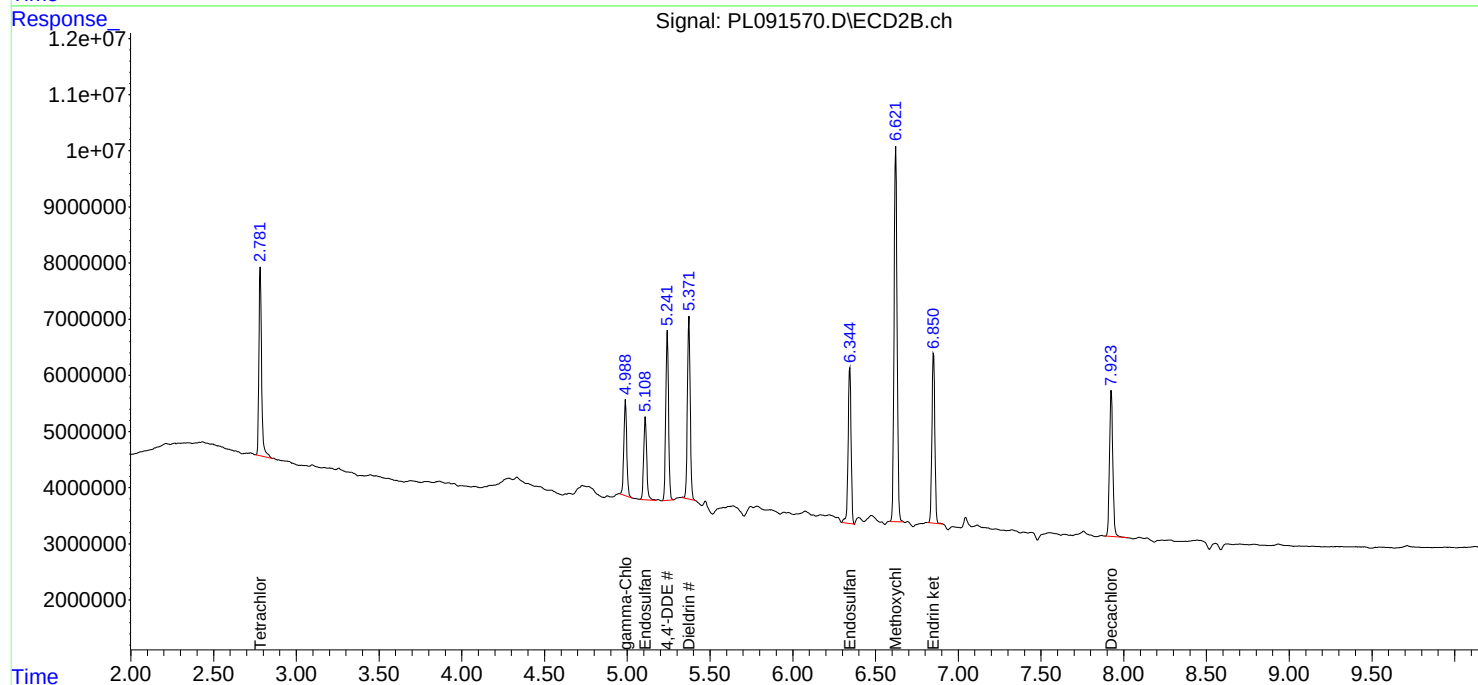
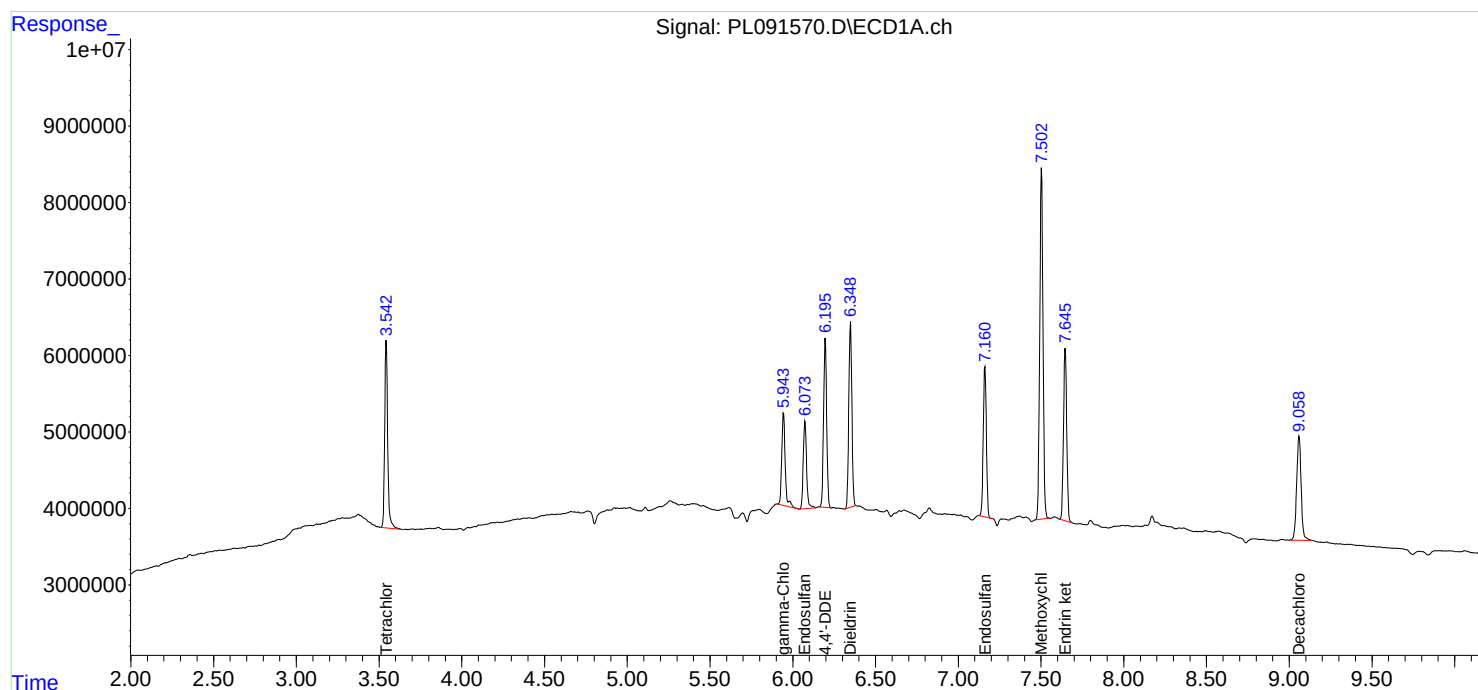
Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

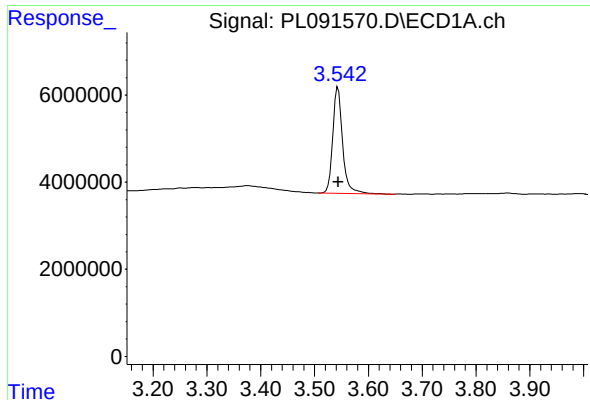
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 09/11/2024  
Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 18:13:52 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 17:50:55 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





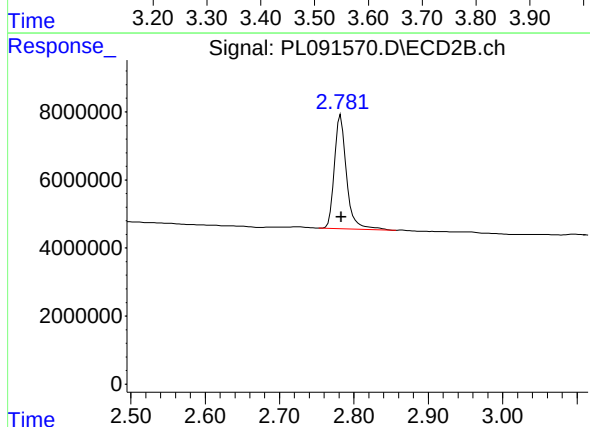
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 30851580  
Conc: 19.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

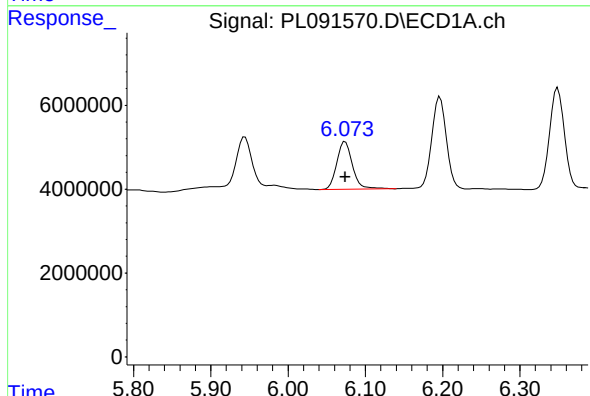
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



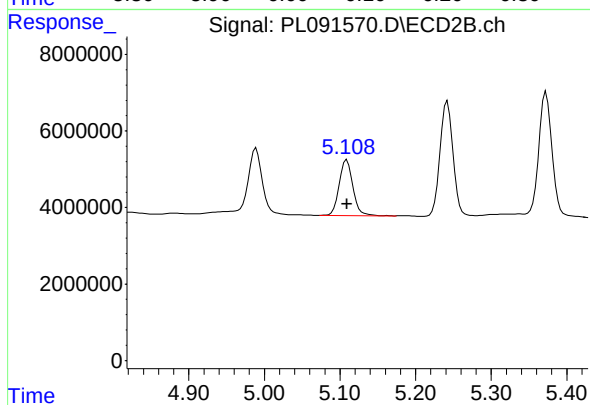
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 38048112  
Conc: 20.34 ng/ml



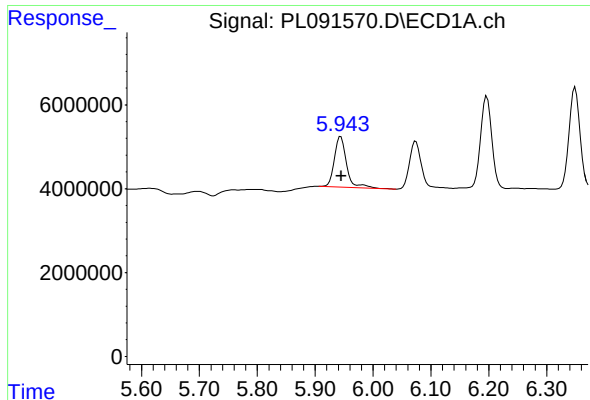
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 16017121  
Conc: 10.28 ng/ml



#9 Endosulfan I

R.T.: 5.109 min  
Delta R.T.: 0.000 min  
Response: 18569140  
Conc: 9.62 ng/ml



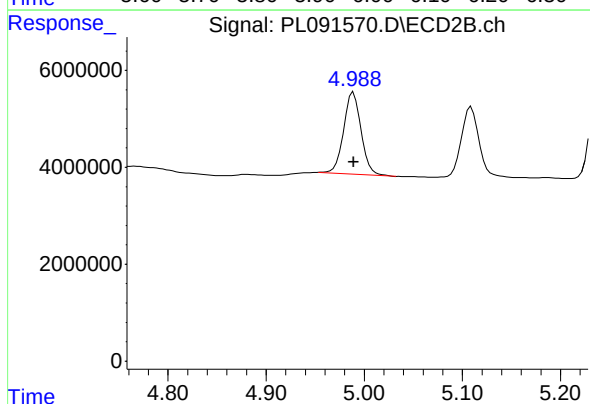
#10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: 0.000 min  
Response: 17694112  
Conc: 10.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

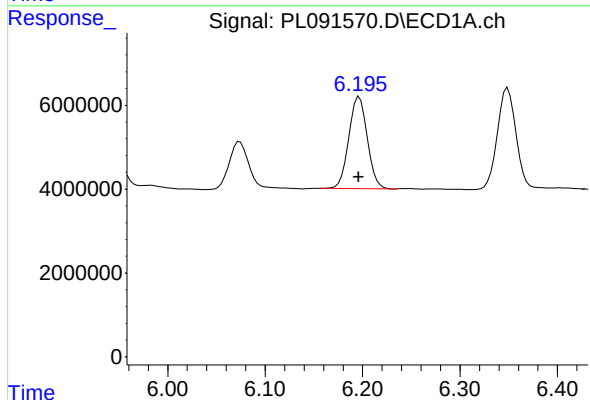
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



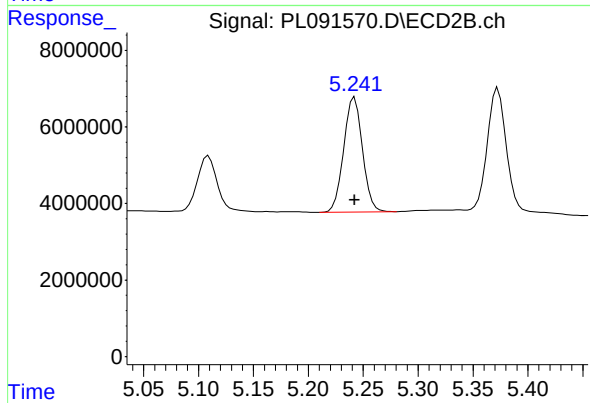
#10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: -0.002 min  
Response: 20911689  
Conc: 9.48 ng/ml m



#12 4,4'-DDE

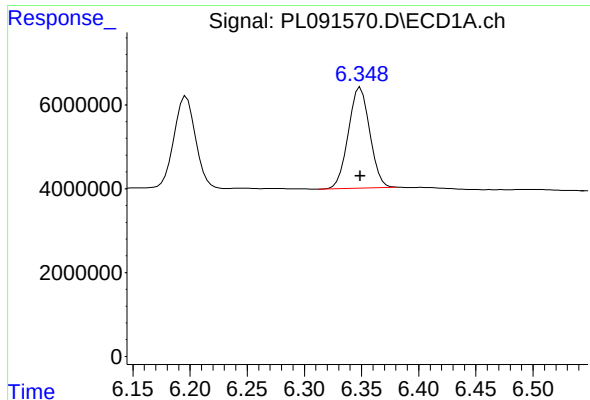
R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 28735417  
Conc: 19.70 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min  
Delta R.T.: 0.000 min  
Response: 35669134  
Conc: 18.81 ng/ml





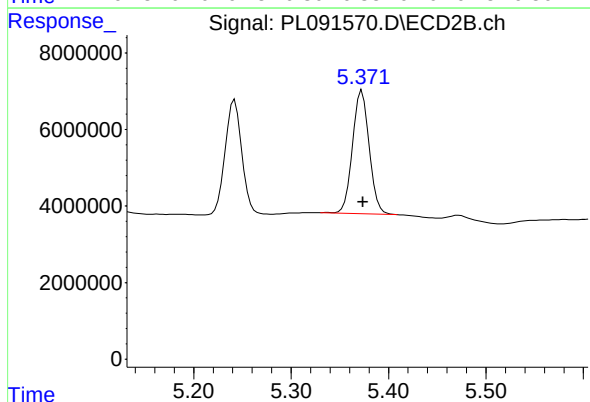
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 31529286  
Conc: 19.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

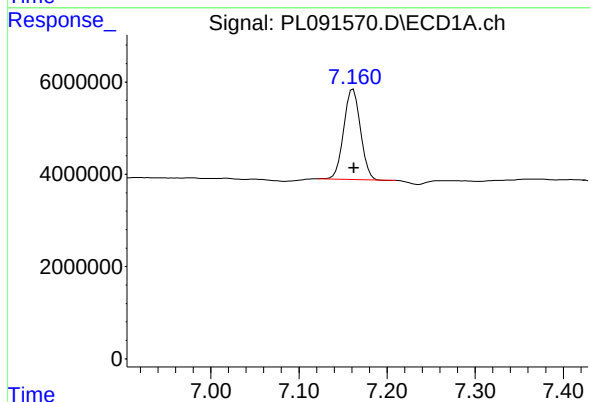
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



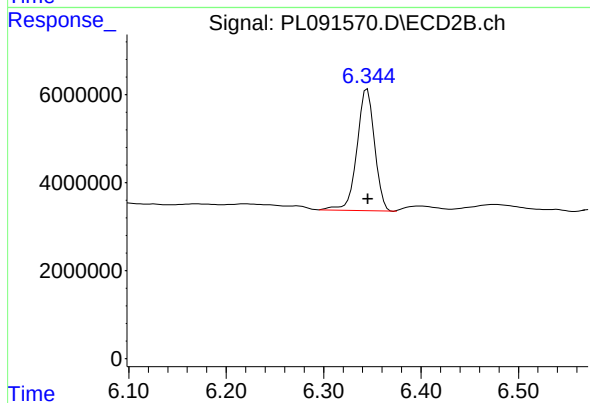
#13 Dieldrin

R.T.: 5.373 min  
Delta R.T.: 0.000 min  
Response: 38325149  
Conc: 18.65 ng/ml



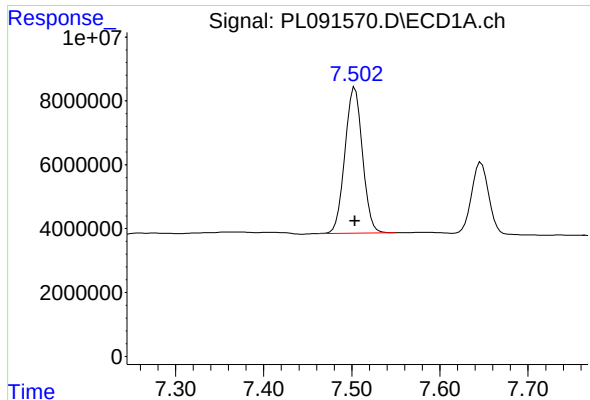
#19 Endosulfan Sulfate

R.T.: 7.162 min  
Delta R.T.: 0.000 min  
Response: 25857434  
Conc: 18.52 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 34823282  
Conc: 20.29 ng/ml



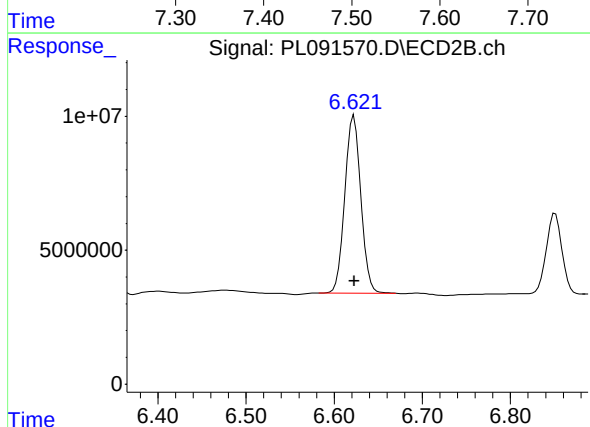
#20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.000 min  
Response: 63221561  
Conc: 93.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

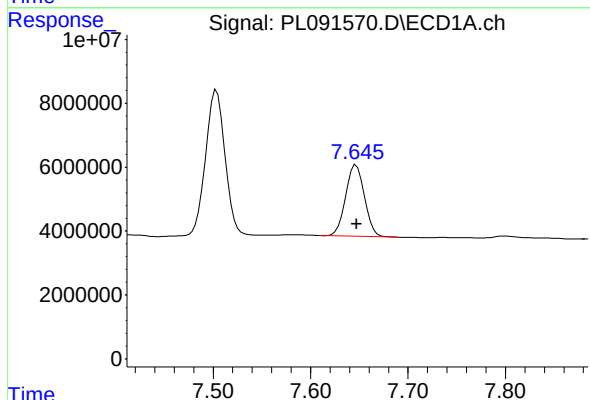
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



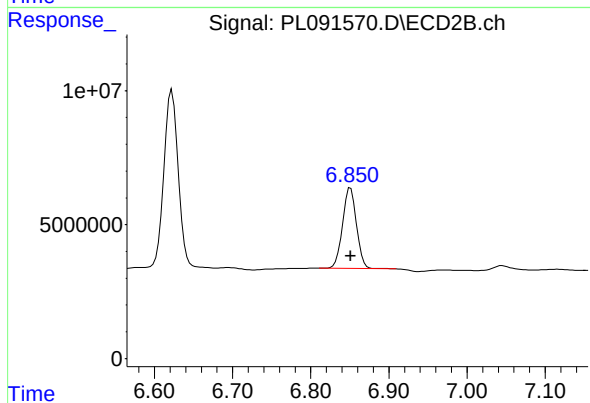
#20 Methoxychlor

R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 84026502  
Conc: 94.86 ng/ml



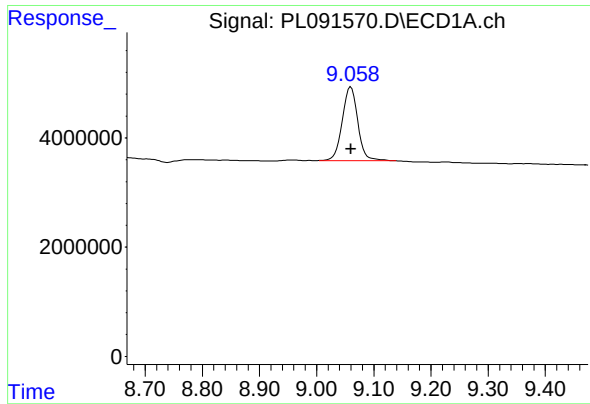
#21 Endrin ketone

R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 30003011  
Conc: 19.40 ng/ml



#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 37209045  
Conc: 18.50 ng/ml



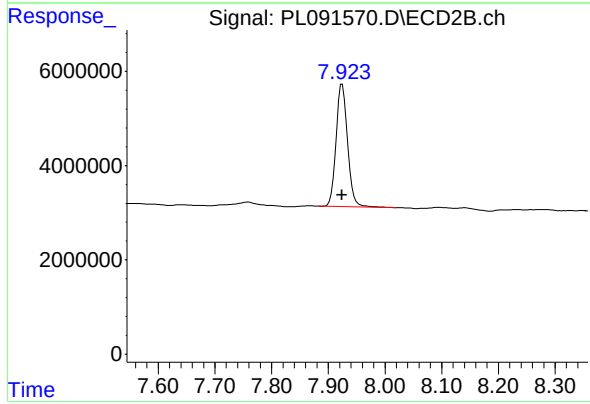
#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 25524178  
Conc: 21.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 36611918  
Conc: 19.83 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091955.D  
Acq On : 23 Sep 2024 11:19  
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\PL092324.M  
Title : GC Extractables  
Last Update : Mon Sep 23 14:03:20 2024  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.544 | 5.944 | 100.00%    |
| 5.944 | 6.074 | 100.00%    |
| 6.074 | 6.196 | 100.00%    |
| 6.196 | 6.349 | 100.00%    |
| 6.349 | 7.162 | 100.00%    |
| 7.162 | 7.503 | 100.00%    |
| 7.503 | 7.647 | 100.00%    |
| 7.647 | 9.060 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.782 | 4.988 | 100.00% |
| 4.988 | 5.108 | 100.00% |
| 5.108 | 5.241 | 100.00% |
| 5.241 | 5.372 | 100.00% |
| 5.372 | 6.344 | 100.00% |
| 6.344 | 6.621 | 100.00% |
| 6.621 | 6.850 | 100.00% |
| 6.850 | 7.923 | 100.00% |

PL092324.M Mon Sep 23 14:11:43 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
 Data File : PL091955.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Sep 2024 11:19  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RESCHK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 23 14:09:54 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 23 14:03:20 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 45060464 | 48406382 | 20.255 | 19.300 |
| 28) SA Decachlor...         | 9.060 | 7.923 | 33098954 | 49691998 | 20.204 | 19.861 |
| Target Compounds            |       |       |          |          |        |        |
| 9) A Endosulfan I           | 6.074 | 5.108 | 24134272 | 25750637 | 10.432 | 9.382  |
| 10) B gamma-Chl...          | 5.944 | 4.988 | 26576974 | 30002831 | 10.755 | 9.972  |
| 12) B 4,4'-DDE              | 6.196 | 5.241 | 43461118 | 52985590 | 20.080 | 19.067 |
| 13) MA Dieldrin             | 6.349 | 5.372 | 48004708 | 54324325 | 19.683 | 18.529 |
| 19) B Endosulfa...          | 7.162 | 6.344 | 37460879 | 49592805 | 18.898 | 20.556 |
| 20) A Methoxychlor          | 7.503 | 6.621 | 89545919 | 118.8E6  | 91.214 | 95.016 |
| 21) B Endrin ke...          | 7.647 | 6.850 | 43132114 | 52293680 | 19.627 | 18.886 |
| -----                       |       |       |          |          |        |        |

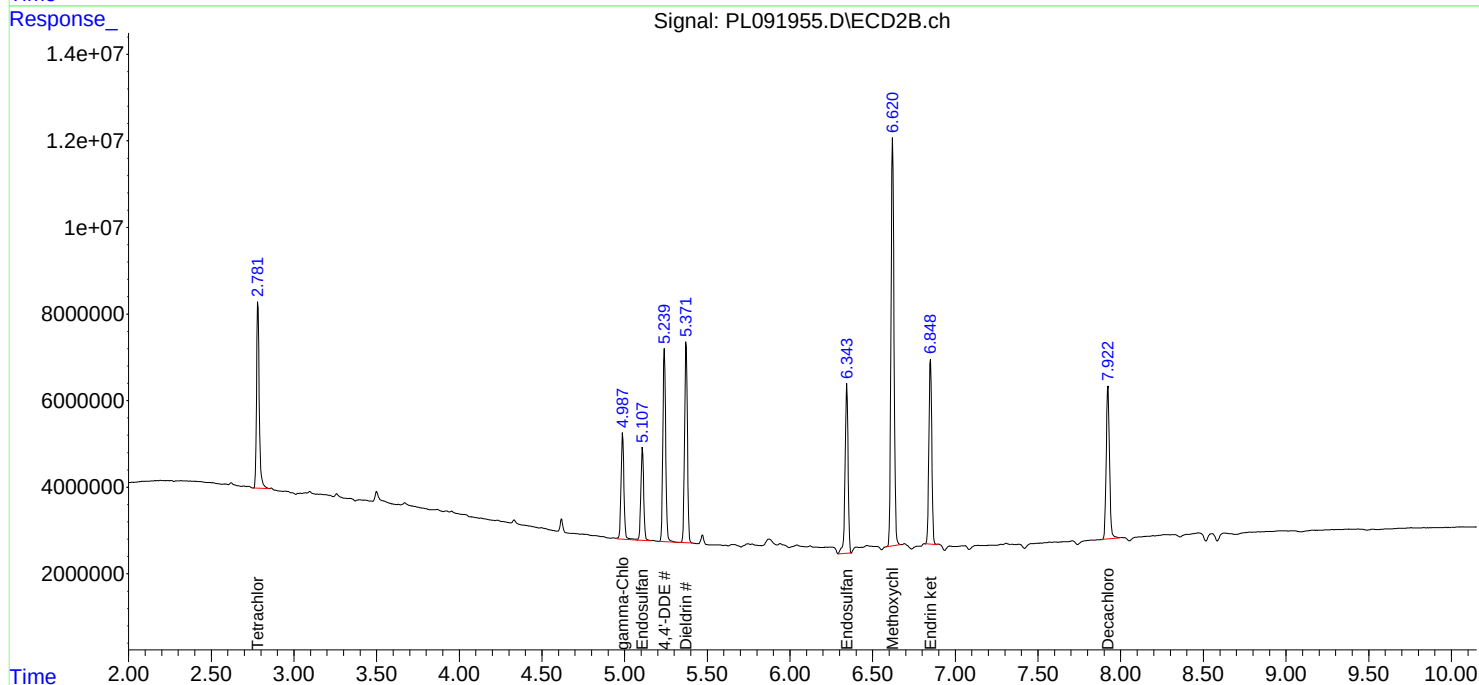
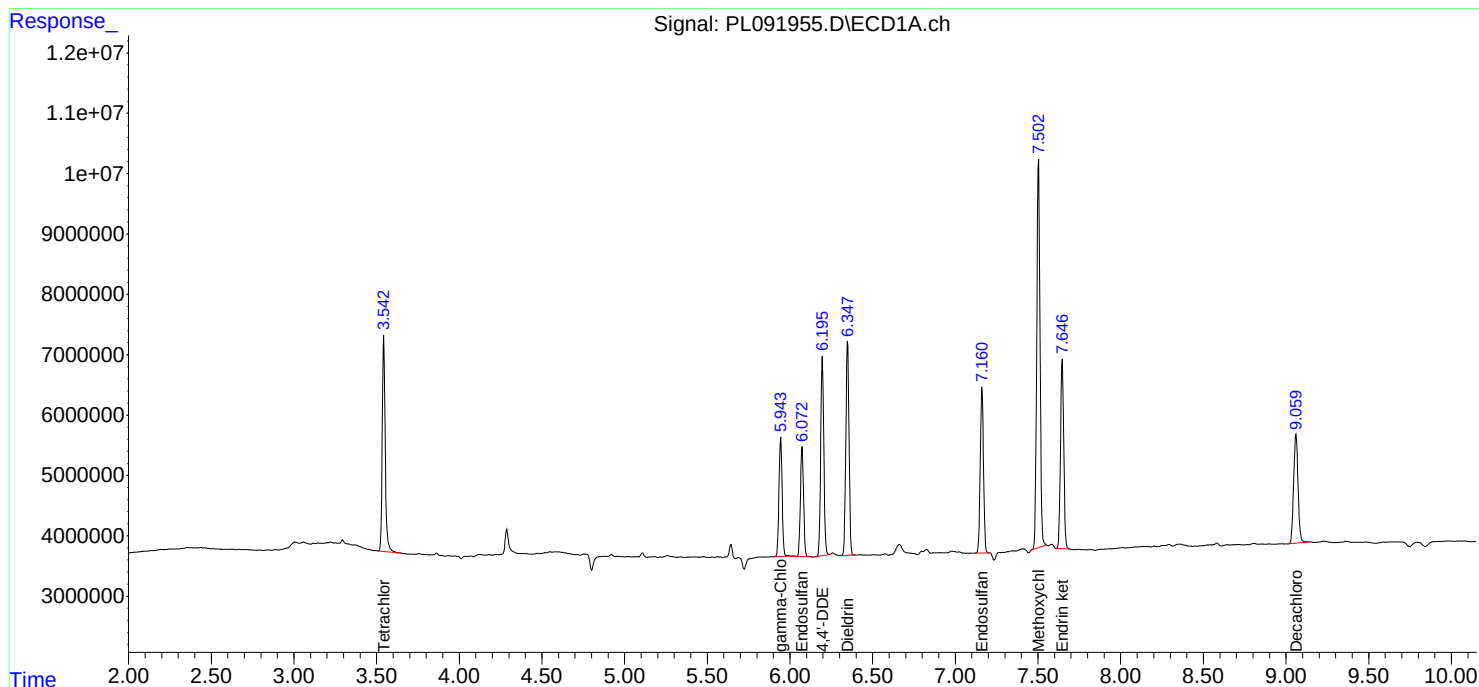
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

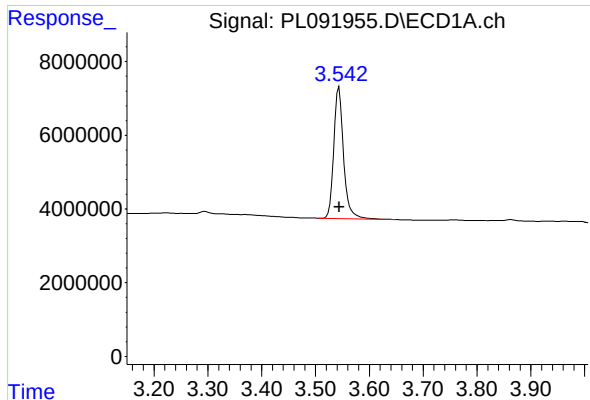
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091955.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 11:19  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 14:09:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:03:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

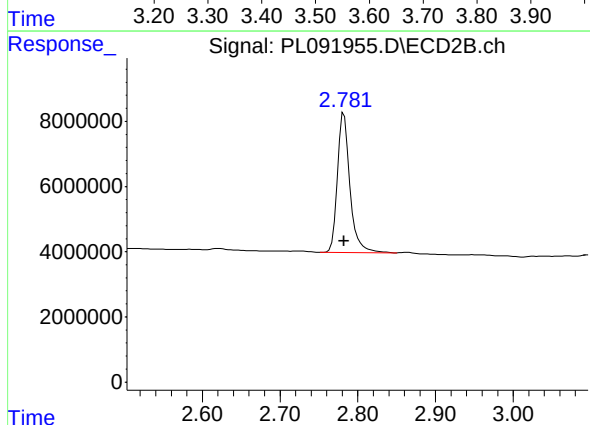




#1 Tetrachloro-m-xylene

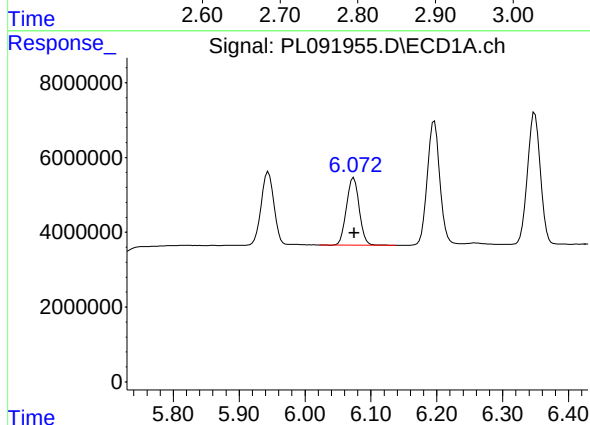
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 45060464  
Conc: 20.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



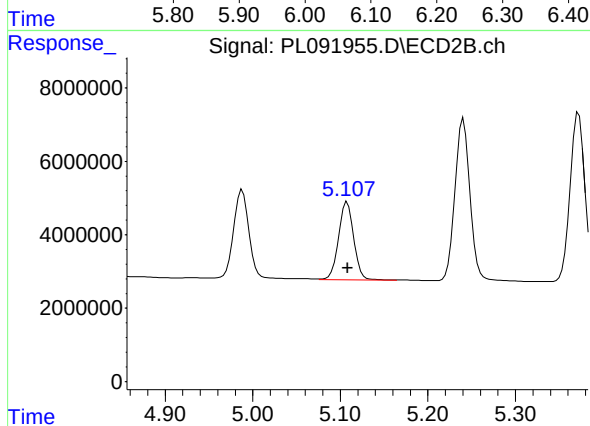
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 48406382  
Conc: 19.30 ng/ml



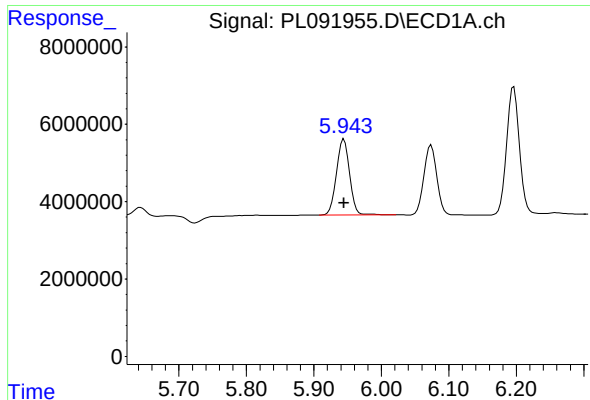
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 24134272  
Conc: 10.43 ng/ml



#9 Endosulfan I

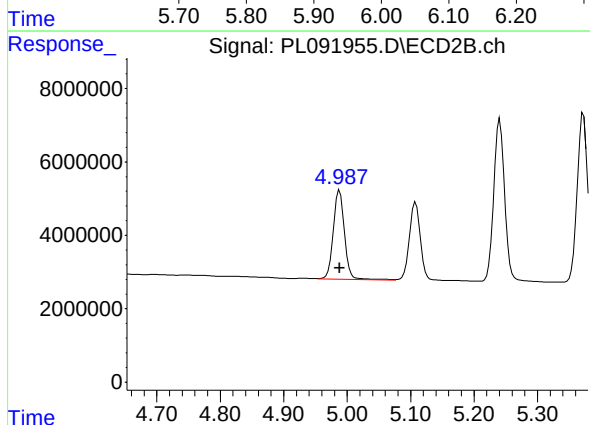
R.T.: 5.108 min  
Delta R.T.: 0.000 min  
Response: 25750637  
Conc: 9.38 ng/ml



#10 gamma-Chlordane

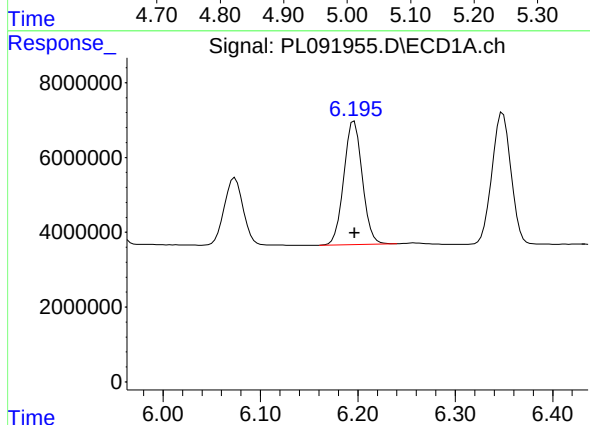
R.T.: 5.944 min  
Delta R.T.: 0.000 min  
Response: 26576974  
Conc: 10.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



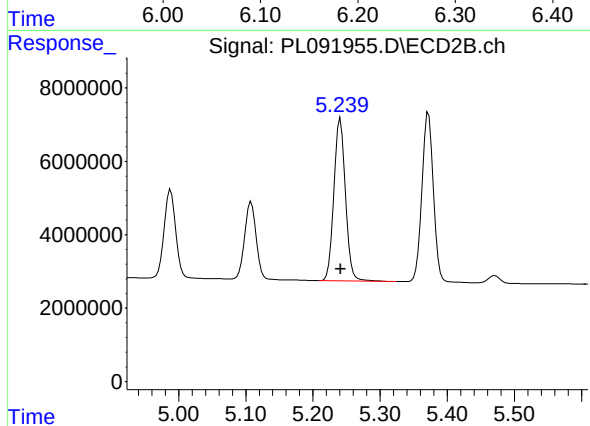
#10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 30002831  
Conc: 9.97 ng/ml



#12 4,4'-DDE

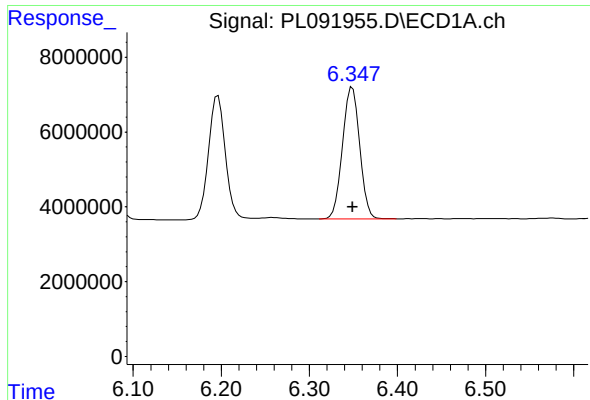
R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 43461118  
Conc: 20.08 ng/ml



#12 4,4'-DDE

R.T.: 5.241 min  
Delta R.T.: 0.000 min  
Response: 52985590  
Conc: 19.07 ng/ml

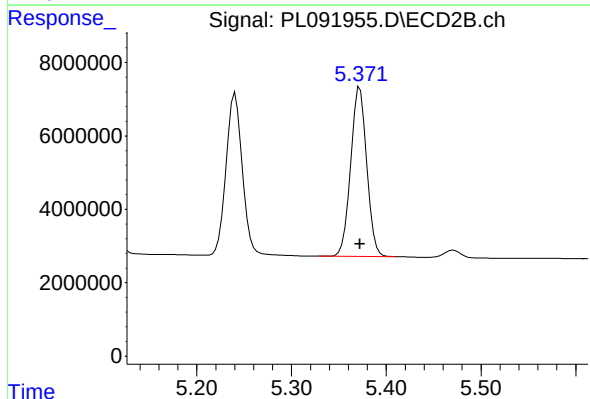




#13 Dieldrin

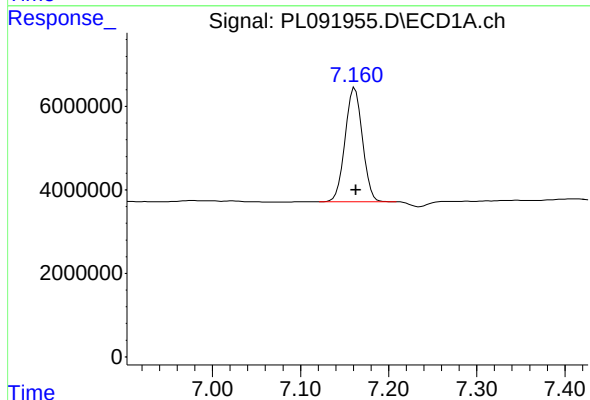
R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 48004708  
Conc: 19.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



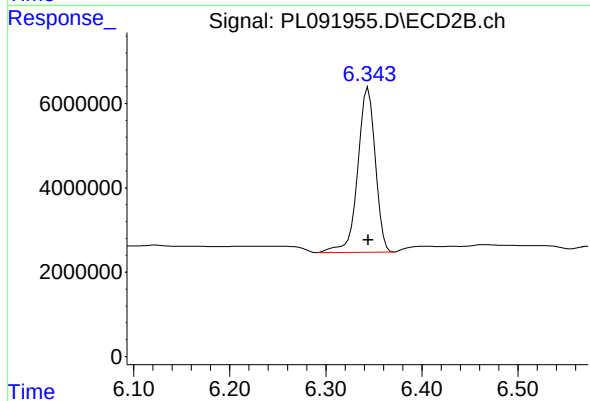
#13 Dieldrin

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 54324325  
Conc: 18.53 ng/ml



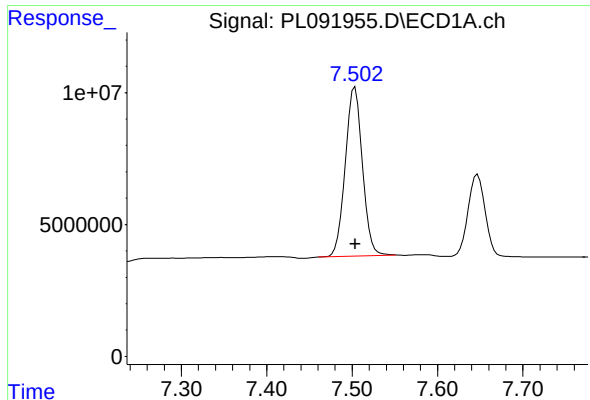
#19 Endosulfan Sulfate

R.T.: 7.162 min  
Delta R.T.: -0.001 min  
Response: 37460879  
Conc: 18.90 ng/ml



#19 Endosulfan Sulfate

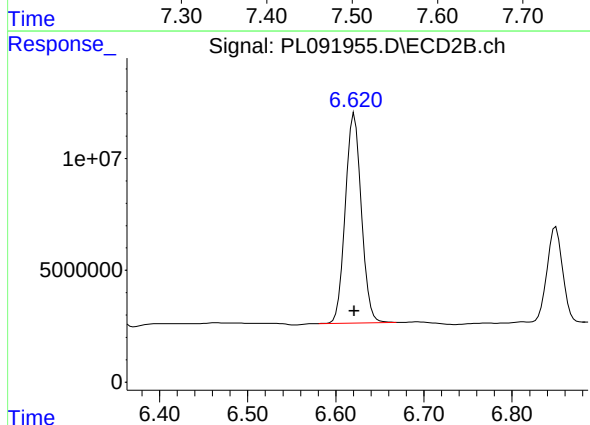
R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 49592805  
Conc: 20.56 ng/ml



#20 Methoxychlor

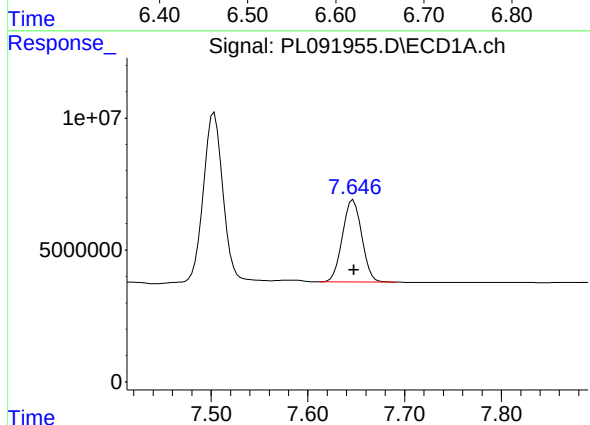
R.T.: 7.503 min  
Delta R.T.: 0.000 min  
Response: 89545919  
Conc: 91.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



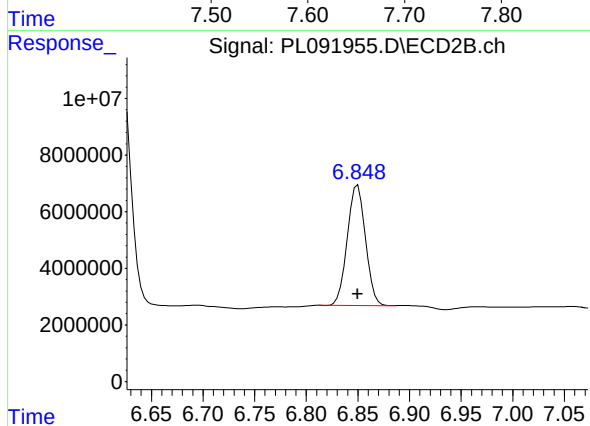
#20 Methoxychlor

R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 118802961  
Conc: 95.02 ng/ml



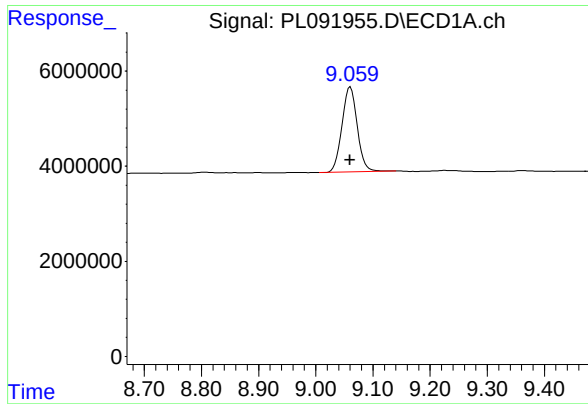
#21 Endrin ketone

R.T.: 7.647 min  
Delta R.T.: 0.000 min  
Response: 43132114  
Conc: 19.63 ng/ml



#21 Endrin ketone

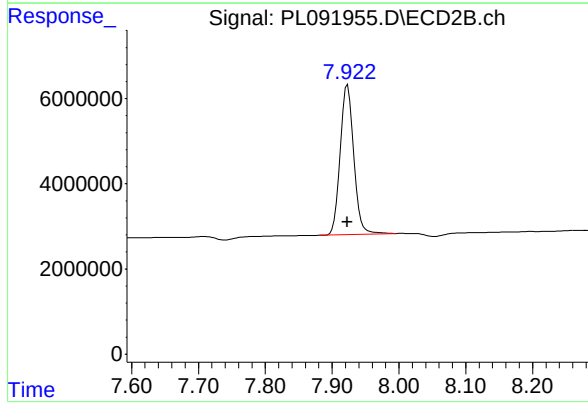
R.T.: 6.850 min  
Delta R.T.: 0.000 min  
Response: 52293680  
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 33098954  
Conc: 20.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 49691998  
Conc: 19.86 ng/ml

## Analytical Sequence

**Client:** Chemtech Consulting Group

**SDG No.:** P3845

**Project:** NJ Waste Water PT

**Instrument ID:** ECD\_L

**GC Column:** ZB-MR2

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 09/09/2024

09/09/2024

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 09/09/2024       | 14:50            | PL091568.D | 9.06        | 3.54        |
| PEM               | PEM              | 09/09/2024       | 15:03            | PL091569.D | 9.06        | 3.54        |
| RESCHK            | RESCHK           | 09/09/2024       | 15:17            | PL091570.D | 9.06        | 3.54        |
| PSTDICC100        | PSTDICC100       | 09/09/2024       | 15:31            | PL091571.D | 9.06        | 3.54        |
| PSTDICC075        | PSTDICC075       | 09/09/2024       | 15:44            | PL091572.D | 9.06        | 3.54        |
| PSTDICC050        | PSTDICC050       | 09/09/2024       | 15:58            | PL091573.D | 9.06        | 3.54        |
| PSTDICC025        | PSTDICC025       | 09/09/2024       | 16:11            | PL091574.D | 9.06        | 3.55        |
| PSTDICC005        | PSTDICC005       | 09/09/2024       | 16:25            | PL091575.D | 9.06        | 3.54        |
| PCHLORICC500      | PCHLORICC500     | 09/09/2024       | 17:06            | PL091578.D | 9.06        | 3.54        |
| PTOXICC500        | PTOXICC500       | 09/09/2024       | 18:14            | PL091583.D | 9.05        | 3.54        |
| IBLK              | IBLK             | 09/10/2024       | 10:57            | PL091604.D | 9.06        | 3.54        |
| PEM               | PEM              | 09/10/2024       | 11:10            | PL091605.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 09/10/2024       | 11:24            | PL091606.D | 9.06        | 3.54        |
| PB163229BL        | PB163229BL       | 09/10/2024       | 12:40            | PL091610.D | 9.06        | 3.54        |
| PB163229BS        | PB163229BS       | 09/10/2024       | 12:57            | PL091611.D | 9.07        | 3.55        |
| IBLK              | IBLK             | 09/10/2024       | 16:56            | PL091623.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 09/10/2024       | 17:10            | PL091624.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 09/11/2024       | 10:59            | PL091650.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 09/11/2024       | 11:31            | PL091651.D | 9.07        | 3.55        |
| PB163229BSD       | PB163229BSD      | 09/11/2024       | 13:13            | PL091654.D | 9.07        | 3.55        |
| IBLK              | IBLK             | 09/11/2024       | 15:04            | PL091662.D | 9.06        | 3.55        |
| PSTDCCC050        | PSTDCCC050       | 09/11/2024       | 15:17            | PL091663.D | 9.06        | 3.55        |
| IBLK              | IBLK             | 09/23/2024       | 10:52            | PL091953.D | 9.06        | 3.54        |
| PEM               | PEM              | 09/23/2024       | 11:05            | PL091954.D | 9.06        | 3.54        |
| RESCHK            | RESCHK           | 09/23/2024       | 11:19            | PL091955.D | 9.06        | 3.54        |
| PSTDICC100        | PSTDICC100       | 09/23/2024       | 11:32            | PL091956.D | 9.06        | 3.54        |
| PSTDICC075        | PSTDICC075       | 09/23/2024       | 11:45            | PL091957.D | 9.06        | 3.54        |
| PSTDICC050        | PSTDICC050       | 09/23/2024       | 11:59            | PL091958.D | 9.06        | 3.54        |
| PSTDICC025        | PSTDICC025       | 09/23/2024       | 12:12            | PL091959.D | 9.06        | 3.54        |
| PSTDICC005        | PSTDICC005       | 09/23/2024       | 12:26            | PL091960.D | 9.06        | 3.54        |
| PCHLORICC500      | PCHLORICC500     | 09/23/2024       | 13:06            | PL091963.D | 9.06        | 3.54        |
| PTOXICC500        | PTOXICC500       | 09/23/2024       | 14:13            | PL091968.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 09/24/2024       | 09:28            | PL091991.D | 9.06        | 3.55        |
| PEM               | PEM              | 09/24/2024       | 09:41            | PL091992.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 09/24/2024       | 09:55            | PL091993.D | 9.06        | 3.54        |
| PT-PEST-WP        | P3845-09         | 09/24/2024       | 12:35            | PL091996.D | 9.07        | 3.55        |
| PT-PEST-WPDL      | P3845-09DL       | 09/24/2024       | 13:19            | PL091999.D | 9.07        | 3.54        |
| PT-PEST-WPDL2     | P3845-09DL2      | 09/24/2024       | 13:32            | PL092000.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 09/24/2024       | 14:08            | PL092002.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 09/24/2024       | 14:21            | PL092003.D | 9.06        | 3.54        |

## Analytical Sequence

**Client:** Chemtech Consulting Group

**SDG No.:** P3845

**Project:** NJ Waste Water PT

**Instrument ID:** ECD\_L

**GC Column:** ZB-MR1

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 09/09/2024

09/09/2024

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 09/09/2024       | 14:50            | PL091568.D | 7.92        | 2.78        |
| PEM               | PEM              | 09/09/2024       | 15:03            | PL091569.D | 7.92        | 2.78        |
| RESCHK            | RESCHK           | 09/09/2024       | 15:17            | PL091570.D | 7.93        | 2.78        |
| PSTDICC100        | PSTDICC100       | 09/09/2024       | 15:31            | PL091571.D | 7.92        | 2.78        |
| PSTDICC075        | PSTDICC075       | 09/09/2024       | 15:44            | PL091572.D | 7.92        | 2.78        |
| PSTDICC050        | PSTDICC050       | 09/09/2024       | 15:58            | PL091573.D | 7.93        | 2.78        |
| PSTDICC025        | PSTDICC025       | 09/09/2024       | 16:11            | PL091574.D | 7.93        | 2.78        |
| PSTDICC005        | PSTDICC005       | 09/09/2024       | 16:25            | PL091575.D | 7.93        | 2.78        |
| PCHLORICC500      | PCHLORICC500     | 09/09/2024       | 17:06            | PL091578.D | 7.93        | 2.78        |
| PTOXICC500        | PTOXICC500       | 09/09/2024       | 18:14            | PL091583.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 09/10/2024       | 10:57            | PL091604.D | 7.92        | 2.78        |
| PEM               | PEM              | 09/10/2024       | 11:10            | PL091605.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 09/10/2024       | 11:24            | PL091606.D | 7.92        | 2.78        |
| PB163229BL        | PB163229BL       | 09/10/2024       | 12:40            | PL091610.D | 7.93        | 2.78        |
| PB163229BS        | PB163229BS       | 09/10/2024       | 12:57            | PL091611.D | 7.93        | 2.78        |
| IBLK              | IBLK             | 09/10/2024       | 16:56            | PL091623.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 09/10/2024       | 17:10            | PL091624.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 09/11/2024       | 10:59            | PL091650.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 09/11/2024       | 11:31            | PL091651.D | 7.93        | 2.78        |
| PB163229BSD       | PB163229BSD      | 09/11/2024       | 13:13            | PL091654.D | 7.93        | 2.78        |
| IBLK              | IBLK             | 09/11/2024       | 15:04            | PL091662.D | 7.93        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 09/11/2024       | 15:17            | PL091663.D | 7.93        | 2.78        |
| IBLK              | IBLK             | 09/23/2024       | 10:52            | PL091953.D | 7.92        | 2.78        |
| PEM               | PEM              | 09/23/2024       | 11:05            | PL091954.D | 7.92        | 2.78        |
| RESCHK            | RESCHK           | 09/23/2024       | 11:19            | PL091955.D | 7.92        | 2.78        |
| PSTDICC100        | PSTDICC100       | 09/23/2024       | 11:32            | PL091956.D | 7.92        | 2.78        |
| PSTDICC075        | PSTDICC075       | 09/23/2024       | 11:45            | PL091957.D | 7.92        | 2.78        |
| PSTDICC050        | PSTDICC050       | 09/23/2024       | 11:59            | PL091958.D | 7.92        | 2.78        |
| PSTDICC025        | PSTDICC025       | 09/23/2024       | 12:12            | PL091959.D | 7.92        | 2.78        |
| PSTDICC005        | PSTDICC005       | 09/23/2024       | 12:26            | PL091960.D | 7.92        | 2.78        |
| PCHLORICC500      | PCHLORICC500     | 09/23/2024       | 13:06            | PL091963.D | 7.92        | 2.78        |
| PTOXICC500        | PTOXICC500       | 09/23/2024       | 14:13            | PL091968.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 09/24/2024       | 09:28            | PL091991.D | 7.92        | 2.78        |
| PEM               | PEM              | 09/24/2024       | 09:41            | PL091992.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 09/24/2024       | 09:55            | PL091993.D | 7.92        | 2.78        |
| PT-PEST-WP        | P3845-09         | 09/24/2024       | 12:35            | PL091996.D | 7.93        | 2.78        |
| PT-PEST-WPDL      | P3845-09DL       | 09/24/2024       | 13:19            | PL091999.D | 7.93        | 2.78        |
| PT-PEST-WPDL2     | P3845-09DL2      | 09/24/2024       | 13:32            | PL092000.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 09/24/2024       | 14:08            | PL092002.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 09/24/2024       | 14:21            | PL092003.D | 7.92        | 2.78        |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BS

Contract: CHEM02

Lab Code: CHEM

Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: PB163229BS

Date(s) Analyzed: 09/10/2024

09/10/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.80 | 6.75      | 6.85 | 0.51          | 4.4  |
|                     | 2   | 5.95 | 5.90      | 6.00 | 0.54          |      |
| 4,4'-DDD            | 1   | 6.72 | 6.67      | 6.77 | 0.52          | 0.3  |
|                     | 2   | 5.80 | 5.75      | 5.85 | 0.52          |      |
| 4,4'-DDT            | 1   | 7.03 | 6.98      | 7.08 | 0.53          | 4.5  |
|                     | 2   | 6.05 | 6.00      | 6.10 | 0.55          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 0.51          | 5.9  |
|                     | 2   | 6.12 | 6.07      | 6.17 | 0.54          |      |
| Endosulfan sulfate  | 1   | 7.17 | 7.12      | 7.22 | 0.51          | 5.2  |
|                     | 2   | 6.35 | 6.30      | 6.40 | 0.54          |      |
| Methoxychlor        | 1   | 7.51 | 7.46      | 7.56 | 0.52          | 2.2  |
|                     | 2   | 6.62 | 6.57      | 6.67 | 0.54          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 0.52          | 2.8  |
|                     | 2   | 6.85 | 6.80      | 6.90 | 0.53          |      |
| alpha-BHC           | 1   | 4.01 | 3.96      | 4.06 | 0.52          | 0.7  |
|                     | 2   | 3.29 | 3.24      | 3.34 | 0.52          |      |
| gamma-BHC (Lindane) | 1   | 4.34 | 4.29      | 4.39 | 0.52          | 0.9  |
|                     | 2   | 3.62 | 3.57      | 3.67 | 0.52          |      |
| Heptachlor          | 1   | 4.93 | 4.88      | 4.98 | 0.54          | 2.2  |
|                     | 2   | 3.96 | 3.91      | 4.01 | 0.53          |      |
| Aldrin              | 1   | 5.27 | 5.22      | 5.32 | 0.52          | 2.5  |
|                     | 2   | 4.24 | 4.19      | 4.29 | 0.53          |      |
| beta-BHC            | 1   | 4.54 | 4.49      | 4.59 | 0.51          | 2.5  |
|                     | 2   | 3.92 | 3.87      | 3.97 | 0.50          |      |
| delta-BHC           | 1   | 4.78 | 4.73      | 4.83 | 0.50          | 8.2  |
|                     | 2   | 4.15 | 4.10      | 4.20 | 0.55          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 0.50          | 0.2  |
|                     | 2   | 4.74 | 4.69      | 4.79 | 0.50          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BS

Contract: CHEM02

Lab Code: CHEM

Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: PB163229BS

Date(s) Analyzed: 09/10/2024

09/10/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.08 | 6.03      | 6.13 | 0.53          | 1.4  |
|                 | 2   | 5.11 | 5.06      | 5.16 | 0.52          |      |
| gamma-Chlordane | 1   | 5.95 | 5.90      | 6.00 | 0.52          | 3.3  |
|                 | 2   | 4.99 | 4.94      | 5.04 | 0.50          |      |
| alpha-Chlordane | 1   | 6.03 | 5.98      | 6.08 | 0.54          | 2    |
|                 | 2   | 5.06 | 5.01      | 5.11 | 0.53          |      |
| 4,4'-DDE        | 1   | 6.20 | 6.15      | 6.25 | 0.52          | 7    |
|                 | 2   | 5.24 | 5.19      | 5.29 | 0.56          |      |
| Dieldrin        | 1   | 6.35 | 6.30      | 6.40 | 0.53          | 0.8  |
|                 | 2   | 5.38 | 5.33      | 5.43 | 0.54          |      |
| Endrin          | 1   | 6.58 | 6.53      | 6.63 | 0.52          | 1.7  |
|                 | 2   | 5.65 | 5.60      | 5.70 | 0.52          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BSD

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: PB163229BSD

Date(s) Analyzed: 09/11/2024 09/11/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.81 | 6.76      | 6.86 | 0.47          | 2.1  |
|                     | 2   | 5.95 | 5.90      | 6.00 | 0.48          |      |
| 4,4'-DDD            | 1   | 6.72 | 6.67      | 6.77 | 0.50          | 2.1  |
|                     | 2   | 5.80 | 5.75      | 5.85 | 0.49          |      |
| 4,4'-DDT            | 1   | 7.04 | 6.99      | 7.09 | 0.45          | 2.9  |
|                     | 2   | 6.05 | 6.00      | 6.10 | 0.44          |      |
| Endrin aldehyde     | 1   | 6.94 | 6.89      | 6.99 | 0.50          | 2.2  |
|                     | 2   | 6.13 | 6.08      | 6.18 | 0.49          |      |
| Endosulfan sulfate  | 1   | 7.17 | 7.12      | 7.22 | 0.47          | 4.6  |
|                     | 2   | 6.35 | 6.30      | 6.40 | 0.50          |      |
| Methoxychlor        | 1   | 7.51 | 7.46      | 7.56 | 0.46          | 8.1  |
|                     | 2   | 6.63 | 6.58      | 6.68 | 0.42          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 0.51          | 1.5  |
|                     | 2   | 6.85 | 6.80      | 6.90 | 0.51          |      |
| alpha-BHC           | 1   | 4.01 | 3.96      | 4.06 | 0.47          | 2.9  |
|                     | 2   | 3.29 | 3.24      | 3.34 | 0.46          |      |
| gamma-BHC (Lindane) | 1   | 4.34 | 4.29      | 4.39 | 0.47          | 2.5  |
|                     | 2   | 3.62 | 3.57      | 3.67 | 0.46          |      |
| Heptachlor          | 1   | 4.93 | 4.88      | 4.98 | 0.47          | 5.1  |
|                     | 2   | 3.96 | 3.91      | 4.01 | 0.45          |      |
| Aldrin              | 1   | 5.27 | 5.22      | 5.32 | 0.43          | 6.9  |
|                     | 2   | 4.24 | 4.19      | 4.29 | 0.46          |      |
| beta-BHC            | 1   | 4.54 | 4.49      | 4.59 | 0.46          | 5.7  |
|                     | 2   | 3.92 | 3.87      | 3.97 | 0.43          |      |
| delta-BHC           | 1   | 4.79 | 4.74      | 4.84 | 0.47          | 0.4  |
|                     | 2   | 4.15 | 4.10      | 4.20 | 0.46          |      |
| Heptachlor epoxide  | 1   | 5.70 | 5.65      | 5.75 | 0.46          | 2.3  |
|                     | 2   | 4.74 | 4.69      | 4.79 | 0.45          |      |



# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BSD

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: PB163229BSD

Date(s) Analyzed: 09/11/2024 09/11/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.08 | 6.03      | 6.13 | 0.48          | 6.4  |
|                 | 2   | 5.11 | 5.06      | 5.16 | 0.45          |      |
| gamma-Chlordane | 1   | 5.95 | 5.90      | 6.00 | 0.47          | 4.3  |
|                 | 2   | 4.99 | 4.94      | 5.04 | 0.45          |      |
| alpha-Chlordane | 1   | 6.03 | 5.98      | 6.08 | 0.49          | 5.6  |
|                 | 2   | 5.06 | 5.01      | 5.11 | 0.46          |      |
| 4,4'-DDE        | 1   | 6.21 | 6.16      | 6.26 | 0.48          | 2.7  |
|                 | 2   | 5.24 | 5.19      | 5.29 | 0.47          |      |
| Dieldrin        | 1   | 6.36 | 6.31      | 6.41 | 0.48          | 5.5  |
|                 | 2   | 5.38 | 5.33      | 5.43 | 0.45          |      |
| Endrin          | 1   | 6.59 | 6.54      | 6.64 | 0.44          | 4.5  |
|                 | 2   | 5.65 | 5.60      | 5.70 | 0.42          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WP

Contract: CHEM02

Lab Code: CHEM

Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: P3845-09

Date(s) Analyzed: 09/24/2024

09/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| 4,4'-DDD           | 1   | 6.72 | 6.67      | 6.77 | 5.60          | 43.4 |
|                    | 2   | 5.80 | 5.75      | 5.85 | 8.70          |      |
| 4,4'-DDE           | 1   | 6.20 | 6.15      | 6.25 | 4.60          | 12.2 |
|                    | 2   | 5.24 | 5.19      | 5.29 | 5.20          |      |
| 4,4'-DDT           | 1   | 7.03 | 6.98      | 7.08 | 4.40          | 16.7 |
|                    | 2   | 6.05 | 6.00      | 6.10 | 5.20          |      |
| alpha-BHC          | 1   | 4.01 | 3.96      | 4.06 | 14.4          | 4.3  |
|                    | 2   | 3.29 | 3.24      | 3.34 | 13.8          |      |
| Aldrin             | 1   | 5.27 | 5.22      | 5.32 | 7.00          | 6.9  |
|                    | 2   | 4.24 | 4.19      | 4.29 | 7.50          |      |
| alpha-Chlordane    | 1   | 6.03 | 5.98      | 6.08 | 6.10          | 9.4  |
|                    | 2   | 5.05 | 5.00      | 5.10 | 6.70          |      |
| Endosulfan II      | 1   | 6.81 | 6.76      | 6.86 | 5.50          | 12   |
|                    | 2   | 5.95 | 5.90      | 6.00 | 6.20          |      |
| Endosulfan sulfate | 1   | 7.17 | 7.12      | 7.22 | 4.30          | 13   |
|                    | 2   | 6.35 | 6.30      | 6.40 | 4.90          |      |
| beta-BHC           | 1   | 4.54 | 4.49      | 4.59 | 10.7          | 10.6 |
|                    | 2   | 3.92 | 3.87      | 3.97 | 11.9          |      |
| delta-BHC          | 1   | 4.78 | 4.73      | 4.83 | 15.0          | 3.4  |
|                    | 2   | 4.15 | 4.10      | 4.20 | 14.5          |      |
| Endosulfan I       | 1   | 6.08 | 6.03      | 6.13 | 9.60          | 7    |
|                    | 2   | 5.11 | 5.06      | 5.16 | 10.3          |      |
| Dieldrin           | 1   | 6.36 | 6.31      | 6.41 | 11.3          | 2.6  |
|                    | 2   | 5.37 | 5.32      | 5.42 | 11.6          |      |
| Endrin aldehyde    | 1   | 6.94 | 6.89      | 6.99 | 13.3          | 5.1  |
|                    | 2   | 6.13 | 6.08      | 6.18 | 14.0          |      |
| Methoxychlor       | 1   | 7.51 | 7.46      | 7.56 | 6.60          | 8.7  |
|                    | 2   | 6.62 | 6.57      | 6.67 | 7.20          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PT-PEST-WP

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 13.8          | 2.9  |
|                     | 2   | 6.85 | 6.80      | 6.90 | 13.4          |      |
| gamma-BHC (Lindane) | 1   | 4.34 | 4.29      | 4.39 | 6.60          | 4.4  |
|                     | 2   | 3.62 | 3.57      | 3.67 | 6.90          |      |
| Heptachlor          | 1   | 4.93 | 4.88      | 4.98 | 4.10          | 11.5 |
|                     | 2   | 3.96 | 3.91      | 4.01 | 4.60          |      |
| Heptachlor epoxide  | 1   | 5.70 | 5.65      | 5.75 | 6.60          | 5.9  |
|                     | 2   | 4.74 | 4.69      | 4.79 | 7.00          |      |
| gamma-Chlordane     | 1   | 5.95 | 5.90      | 6.00 | 3.00          | 15.4 |
|                     | 2   | 4.99 | 4.94      | 5.04 | 3.50          |      |
| Endrin              | 1   | 6.59 | 6.54      | 6.64 | 2.00          | 14   |
|                     | 2   | 5.65 | 5.60      | 5.70 | 2.30          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09DL

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| 4,4'-DDD            | 1   | 6.72 | 6.67      | 6.77 | 5.40          | 29.9 |
|                     | 2   | 5.80 | 5.75      | 5.85 | 7.30          |      |
| 4,4'-DDT            | 1   | 7.03 | 6.98      | 7.08 | 4.20          | 4.7  |
|                     | 2   | 6.05 | 6.00      | 6.10 | 4.40          |      |
| alpha-BHC           | 1   | 4.01 | 3.96      | 4.06 | 12.6          | 9.1  |
|                     | 2   | 3.29 | 3.24      | 3.34 | 13.8          |      |
| Aldrin              | 1   | 5.27 | 5.22      | 5.32 | 6.70          | 8.6  |
|                     | 2   | 4.24 | 4.19      | 4.29 | 7.30          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 10.7          | 8.9  |
|                     | 2   | 3.92 | 3.87      | 3.97 | 11.7          |      |
| alpha-Chlordane     | 1   | 6.03 | 5.98      | 6.08 | 6.00          | 6.5  |
|                     | 2   | 5.05 | 5.00      | 5.10 | 6.40          |      |
| 4,4'-DDE            | 1   | 6.20 | 6.15      | 6.25 | 4.40          | 6.6  |
|                     | 2   | 5.24 | 5.19      | 5.29 | 4.70          |      |
| Endosulfan II       | 1   | 6.80 | 6.75      | 6.85 | 5.70          | 8.4  |
|                     | 2   | 5.94 | 5.89      | 5.99 | 6.20          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 14.2          | 11.3 |
|                     | 2   | 6.12 | 6.07      | 6.17 | 15.9          |      |
| Endosulfan sulfate  | 1   | 7.17 | 7.12      | 7.22 | 4.60          | 6.3  |
|                     | 2   | 6.35 | 6.30      | 6.40 | 4.90          |      |
| Methoxychlor        | 1   | 7.51 | 7.46      | 7.56 | 7.30          | 5.3  |
|                     | 2   | 6.62 | 6.57      | 6.67 | 7.70          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 14.3          | 10   |
|                     | 2   | 6.85 | 6.80      | 6.90 | 15.8          |      |
| gamma-BHC (Lindane) | 1   | 4.34 | 4.29      | 4.39 | 5.90          | 8.1  |
|                     | 2   | 3.62 | 3.57      | 3.67 | 6.40          |      |
| Heptachlor          | 1   | 4.93 | 4.88      | 4.98 | 4.10          | 7.1  |
|                     | 2   | 3.96 | 3.91      | 4.01 | 4.40          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09DL

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| delta-BHC          | 1   | 4.78 | 4.73      | 4.83 | 13.2          | 10.8 |
|                    | 2   | 4.15 | 4.10      | 4.20 | 14.7          |      |
| Heptachlor epoxide | 1   | 5.69 | 5.64      | 5.74 | 6.90          | 7    |
|                    | 2   | 4.74 | 4.69      | 4.79 | 7.40          |      |
| Endosulfan I       | 1   | 6.08 | 6.03      | 6.13 | 10.0          | 11.3 |
|                    | 2   | 5.11 | 5.06      | 5.16 | 11.2          |      |
| gamma-Chlordane    | 1   | 5.95 | 5.90      | 6.00 | 3.20          | 3.2  |
|                    | 2   | 4.99 | 4.94      | 5.04 | 3.10          |      |
| Dieldrin           | 1   | 6.35 | 6.30      | 6.40 | 11.1          | 12.7 |
|                    | 2   | 5.37 | 5.32      | 5.42 | 12.6          |      |
| Endrin             | 1   | 6.58 | 6.53      | 6.63 | 2.00          | 0    |
|                    | 2   | 5.65 | 5.60      | 5.70 | 2.00          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PT-PEST-WPDL2

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09DL2

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| 4,4'-DDT            | 1   | 7.03 | 6.98      | 7.08 | 4.40          | 7.1  |
|                     | 2   | 6.05 | 6.00      | 6.10 | 4.10          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 14.6          | 6.6  |
|                     | 2   | 6.12 | 6.07      | 6.17 | 15.6          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 4.90          | 4.2  |
|                     | 2   | 6.34 | 6.29      | 6.39 | 4.70          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 14.6          | 6    |
|                     | 2   | 6.85 | 6.80      | 6.90 | 15.5          |      |
| alpha-BHC           | 1   | 4.00 | 3.95      | 4.05 | 12.2          | 7.1  |
|                     | 2   | 3.29 | 3.24      | 3.34 | 13.1          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 6.00          | 1.7  |
|                     | 2   | 3.62 | 3.57      | 3.67 | 6.10          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 6.80          | 1.5  |
|                     | 2   | 4.24 | 4.19      | 4.29 | 6.90          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 11.2          | 3.5  |
|                     | 2   | 3.92 | 3.87      | 3.97 | 11.6          |      |
| delta-BHC           | 1   | 4.78 | 4.73      | 4.83 | 13.0          | 6.7  |
|                     | 2   | 4.14 | 4.09      | 4.19 | 13.9          |      |
| Endosulfan I        | 1   | 6.08 | 6.03      | 6.13 | 10.2          | 5.7  |
|                     | 2   | 5.11 | 5.06      | 5.16 | 10.8          |      |
| alpha-Chlordane     | 1   | 6.02 | 5.97      | 6.07 | 6.10          | 0    |
|                     | 2   | 5.05 | 5.00      | 5.10 | 6.10          |      |
| 4,4'-DDE            | 1   | 6.20 | 6.15      | 6.25 | 4.50          | 2.2  |
|                     | 2   | 5.24 | 5.19      | 5.29 | 4.40          |      |
| Dieldrin            | 1   | 6.35 | 6.30      | 6.40 | 11.2          | 6.9  |
|                     | 2   | 5.37 | 5.32      | 5.42 | 12.0          |      |
| Endrin              | 1   | 6.58 | 6.53      | 6.63 | 2.20          | 9.5  |
|                     | 2   | 5.65 | 5.60      | 5.70 | 2.00          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL2

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09DL2

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| Methoxychlor       | 1   | 7.50 | 7.45      | 7.55 | 7.80          | 1.3  |
|                    | 2   | 6.62 | 6.57      | 6.67 | 7.70          |      |
| Heptachlor         | 1   | 4.92 | 4.87      | 4.97 | 4.30          | 2.4  |
|                    | 2   | 3.96 | 3.91      | 4.01 | 4.20          |      |
| Heptachlor epoxide | 1   | 5.69 | 5.64      | 5.74 | 7.20          | 1.4  |
|                    | 2   | 4.74 | 4.69      | 4.79 | 7.10          |      |
| gamma-Chlordane    | 1   | 5.95 | 5.90      | 6.00 | 3.20          | 6.5  |
|                    | 2   | 4.99 | 4.94      | 5.04 | 3.00          |      |
| Endosulfan II      | 1   | 6.80 | 6.75      | 6.85 | 5.90          | 1.7  |
|                    | 2   | 5.94 | 5.89      | 5.99 | 6.00          |      |
| 4,4'-DDD           | 1   | 6.71 | 6.66      | 6.76 | 5.70          | 21.9 |
|                    | 2   | 5.80 | 5.75      | 5.85 | 7.10          |      |



# QC SAMPLE DATA



## Report of Analysis

|                    |                           |                    |                  |
|--------------------|---------------------------|--------------------|------------------|
| Client:            | Chemtech Consulting Group | Date Collected:    |                  |
| Project:           | NJ Waste Water PT         | Date Received:     |                  |
| Client Sample ID:  | PB163229BL                | SDG No.:           | P3845            |
| Lab Sample ID:     | PB163229BL                | Matrix:            | WATER            |
| Analytical Method: | SW8081                    | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL    | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                        | Test:              | PESTICIDE Group1 |
| Extraction Type:   |                           | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :             |                    |                  |
| Prep Method :      | 3510C                     |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL091610.D        | 1         | 09/09/24 10:10 | 09/10/24 12:40 | PB163229      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 23.3   |           | 43 - 140 | 116%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.5   |           | 77 - 126 | 112%       | SPK: 20 |

## Report of Analysis

|                    |                           |                    |                  |
|--------------------|---------------------------|--------------------|------------------|
| Client:            | Chemtech Consulting Group | Date Collected:    |                  |
| Project:           | NJ Waste Water PT         | Date Received:     |                  |
| Client Sample ID:  | PB163229BL                | SDG No.:           | P3845            |
| Lab Sample ID:     | PB163229BL                | Matrix:            | WATER            |
| Analytical Method: | SW8081                    | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL    | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                        | Test:              | PESTICIDE Group1 |
| Extraction Type:   |                           | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :             |                    |                  |
| Prep Method :      | 3510C                     |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL091610.D        | 1         | 09/09/24 10:10 | 09/10/24 12:40 | PB163229      |

| 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\PL091024\  
 Data File : PL091610.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Sep 2024 12:40  
 Operator : AR\AJ  
 Sample : PB163229BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB163229BL

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 11 05:32:07 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 35047119 | 40161757 | 22.486 | 21.473 |
| 28) SA Decachlor...         | 9.061 | 7.925 | 26709493 | 42961229 | 21.977 | 23.266 |

Target Compounds

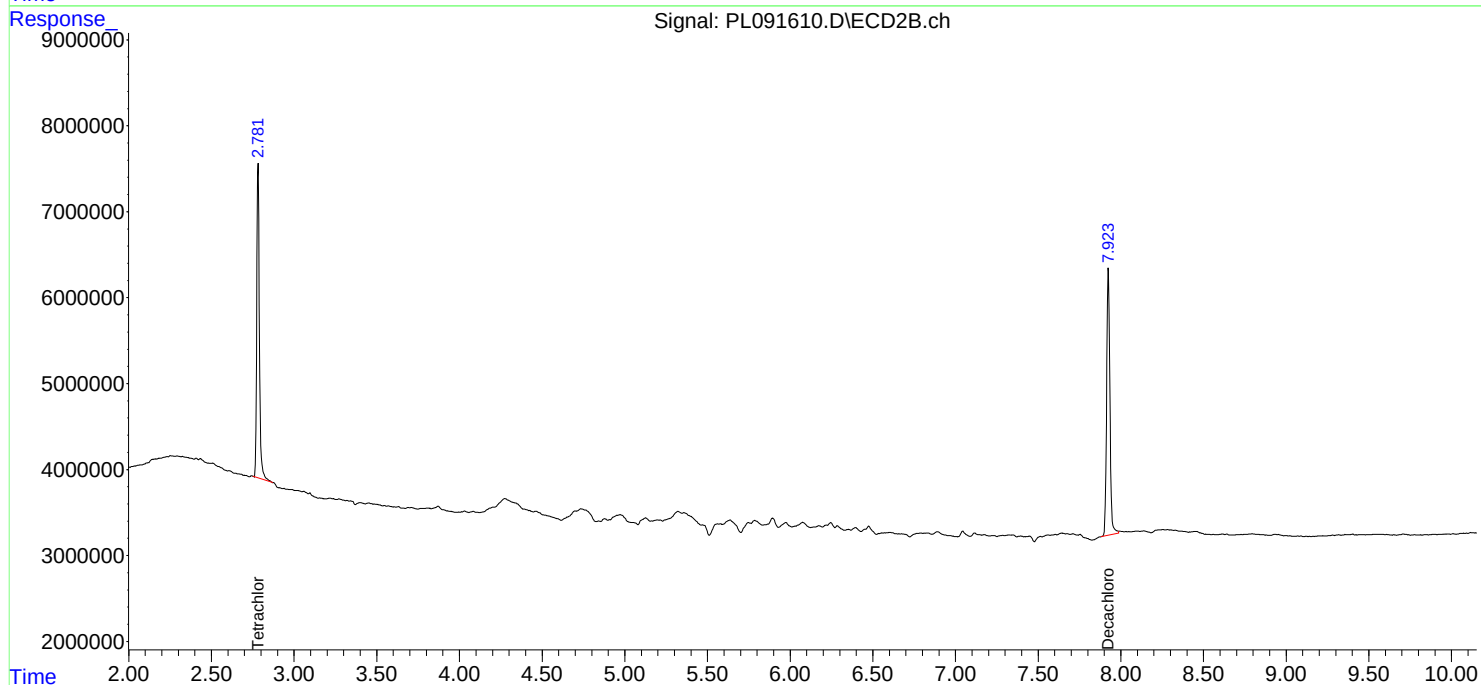
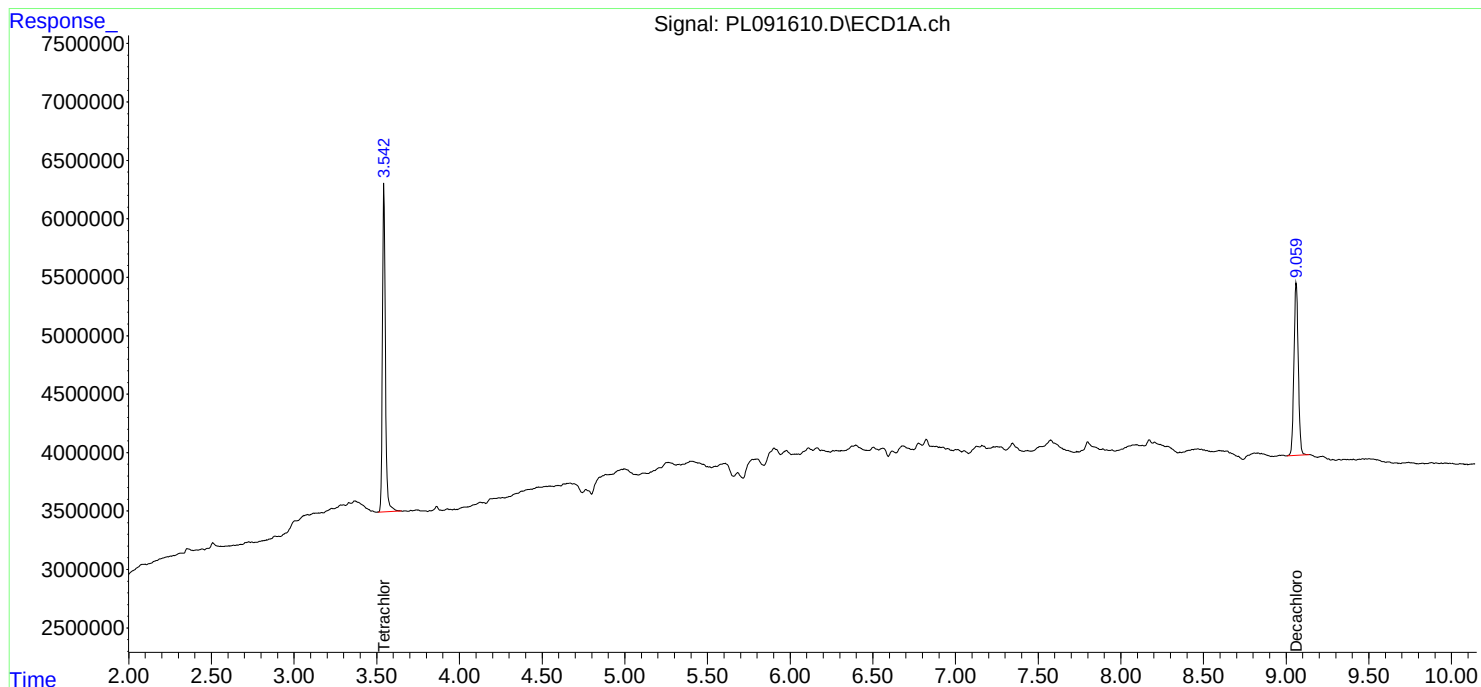
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

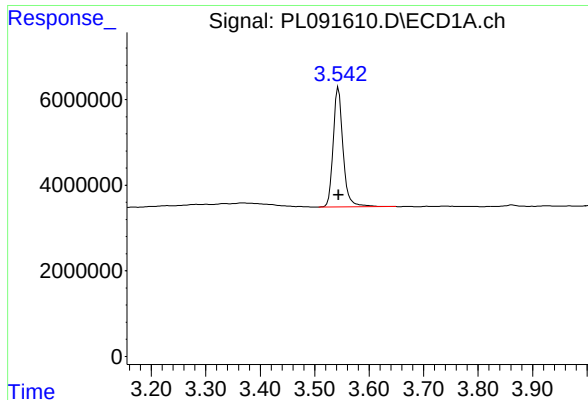
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
Data File : PL091610.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 12:40  
Operator : AR\AJ  
Sample : PB163229BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 11 05:32:07 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

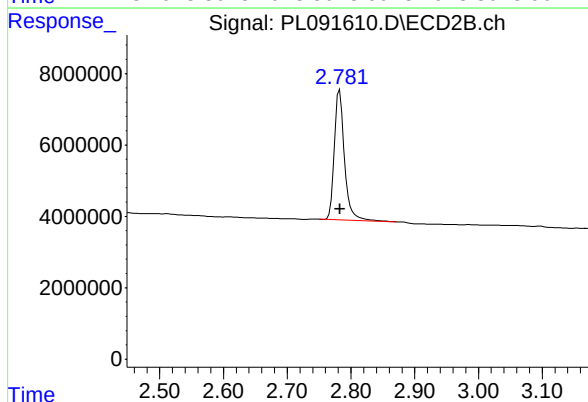




#1 Tetrachloro-m-xylene

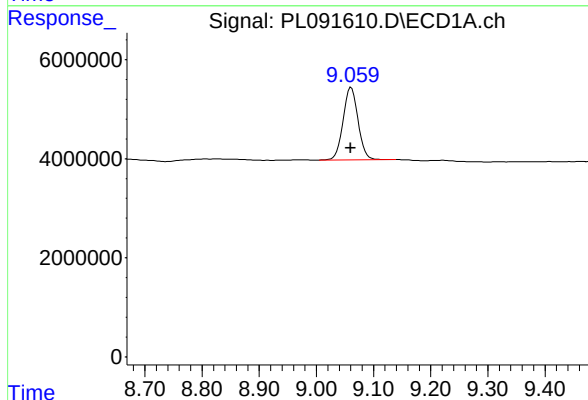
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 35047119  
Conc: 22.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BL



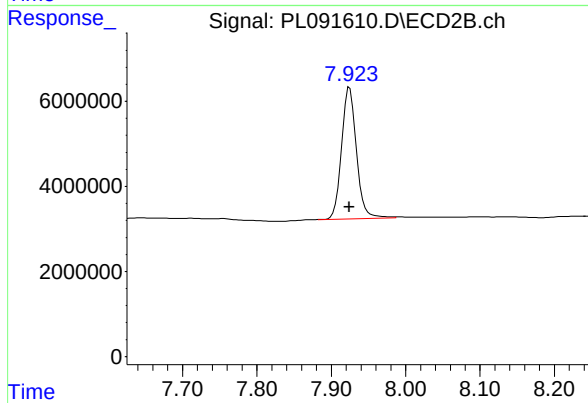
#1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 40161757  
Conc: 21.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 26709493  
Conc: 21.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 42961229  
Conc: 23.27 ng/ml

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/09/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/09/24         |           |
| Client Sample ID:  | PIBLK-PL091568.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091568.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091568.D        | 1         |           | 09/09/24      | PL090924      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 26.7   |           | 43 - 140 | 133%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 24.3   |           | 77 - 126 | 121%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/09/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/09/24         |           |
| Client Sample ID:  | PIBLK-PL091568.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091568.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091568.D        | 1         |           | 09/09/24      | PL090924      |

| 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\PL090924\  
 Data File : PL091568.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 14:50  
 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: Sep 09 18:05:14 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:50:55 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.544 | 2.783 | 37715852 | 45438208 | 24.199 | 24.295 |
| 28) SA Decachlor...         | 9.060 | 7.924 | 32431838 | 48319649 | 26.686 | 26.168 |

Target Compounds

-----

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

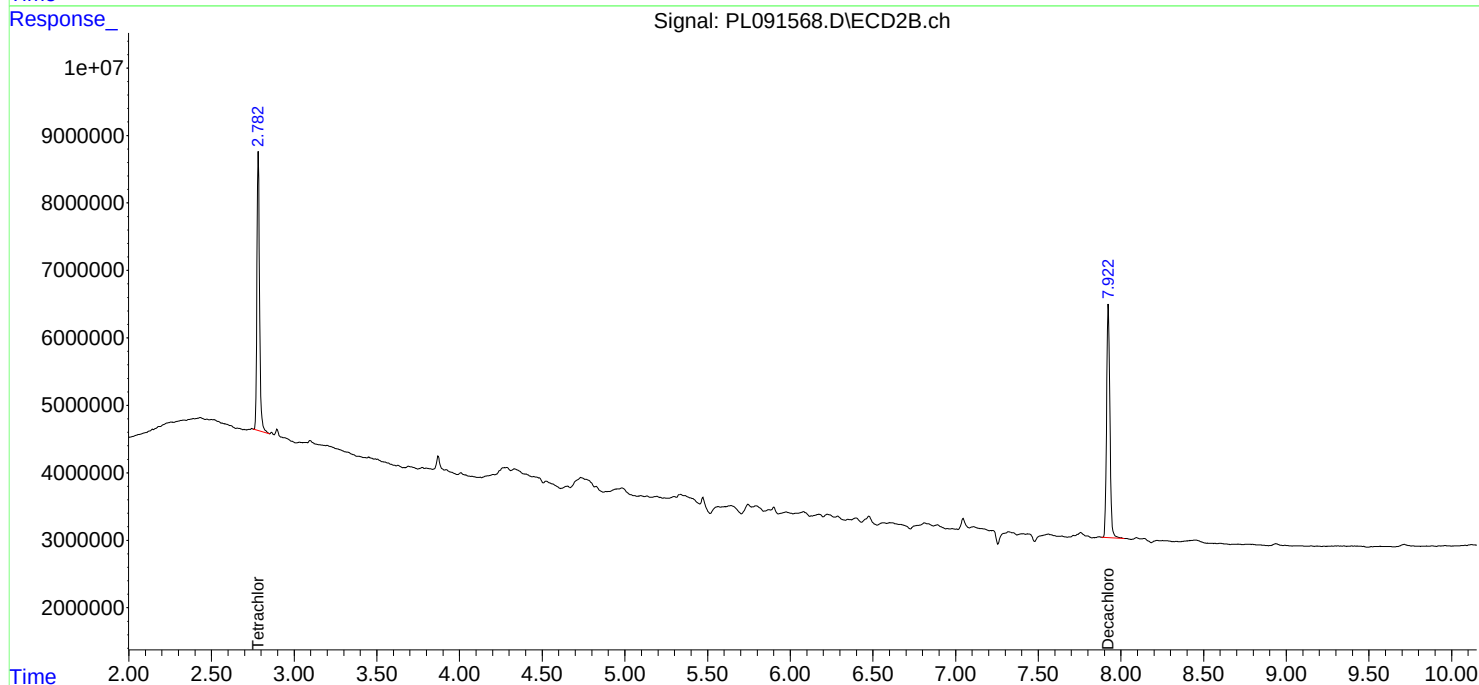
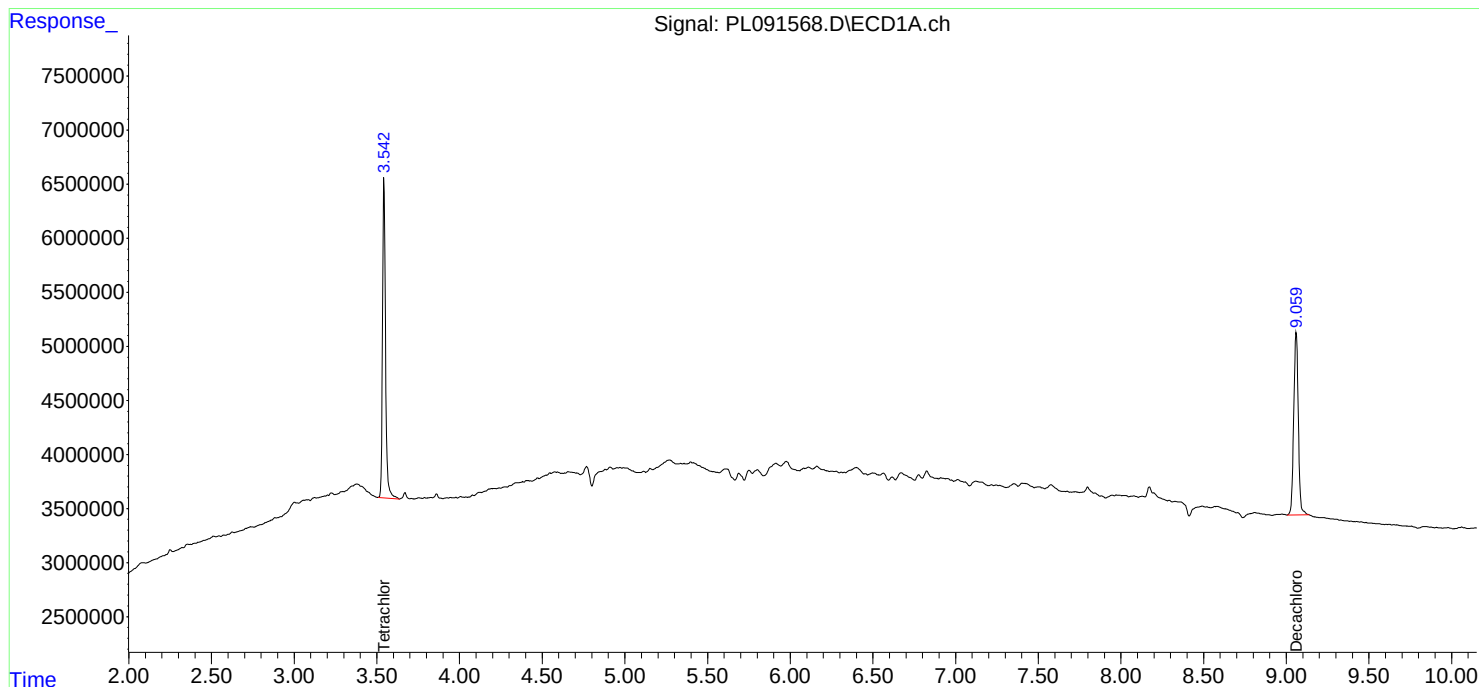


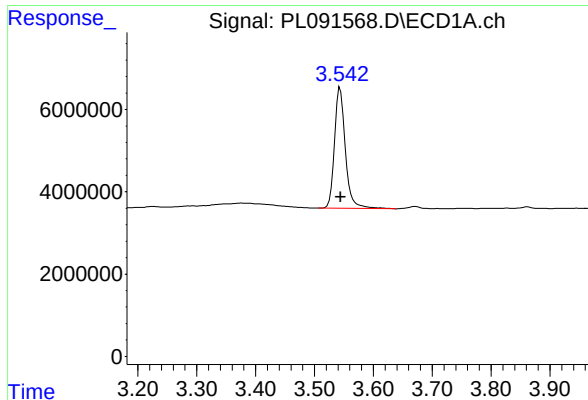
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091568.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 14:50  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 18:05:14 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 17:50:55 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

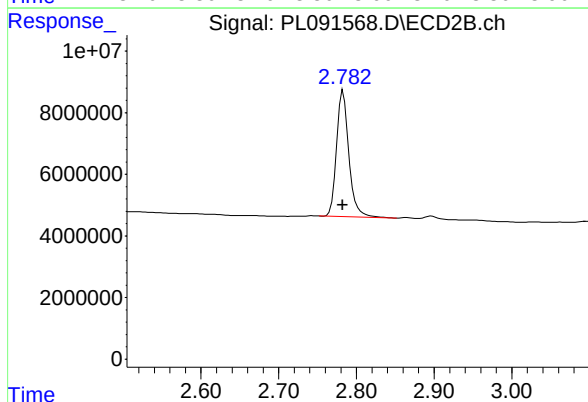




#1 Tetrachloro-m-xylene

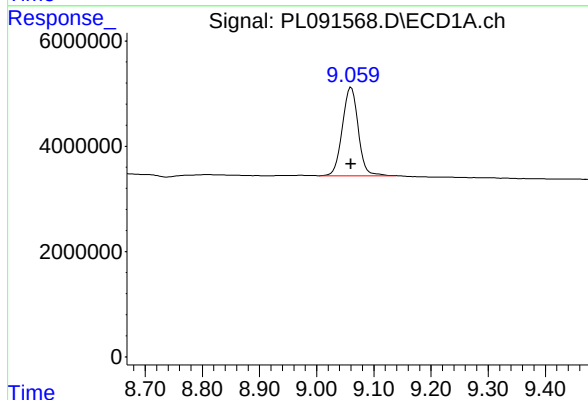
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 37715852  
Conc: 24.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



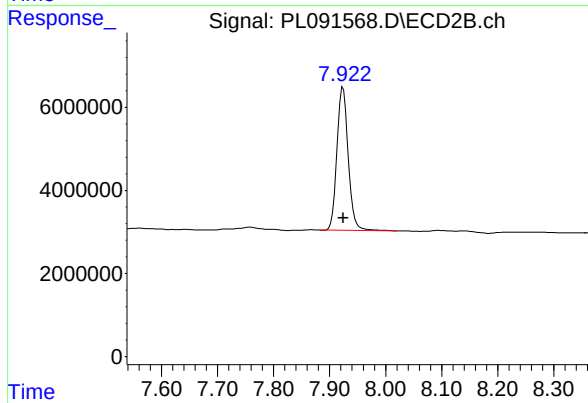
#1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 45438208  
Conc: 24.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 32431838  
Conc: 26.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 48319649  
Conc: 26.17 ng/ml

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/09/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/09/24         |           |
| Client Sample ID:  | PIBLK-PL091601.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091601.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091601.D        | 1         |           | 09/09/24      | PL090924      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 26.0   |           | 43 - 140 | 130%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 26.8   | *         | 77 - 126 | 134%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/09/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/09/24         |           |
| Client Sample ID:  | PIBLK-PL091601.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091601.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091601.D        | 1         |           | 09/09/24      | PL090924      |

| 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\PL090924\  
 Data File : PL091601.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Sep 2024 22:22  
 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 09/11/2024  
 Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 10 04:40:38 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-------|-------|----------|----------|--------|---------|
| -----                       |       |       |          |          |        |         |
| System Monitoring Compounds |       |       |          |          |        |         |
| 1) SA Tetrachlo...          | 3.542 | 2.782 | 40378971 | 50046451 | 25.907 | 26.759  |
| 28) SA Decachlor...         | 9.054 | 7.919 | 31423695 | 47927535 | 25.856 | 25.955m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090924\  
Data File : PL091601.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Sep 2024 22:22  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

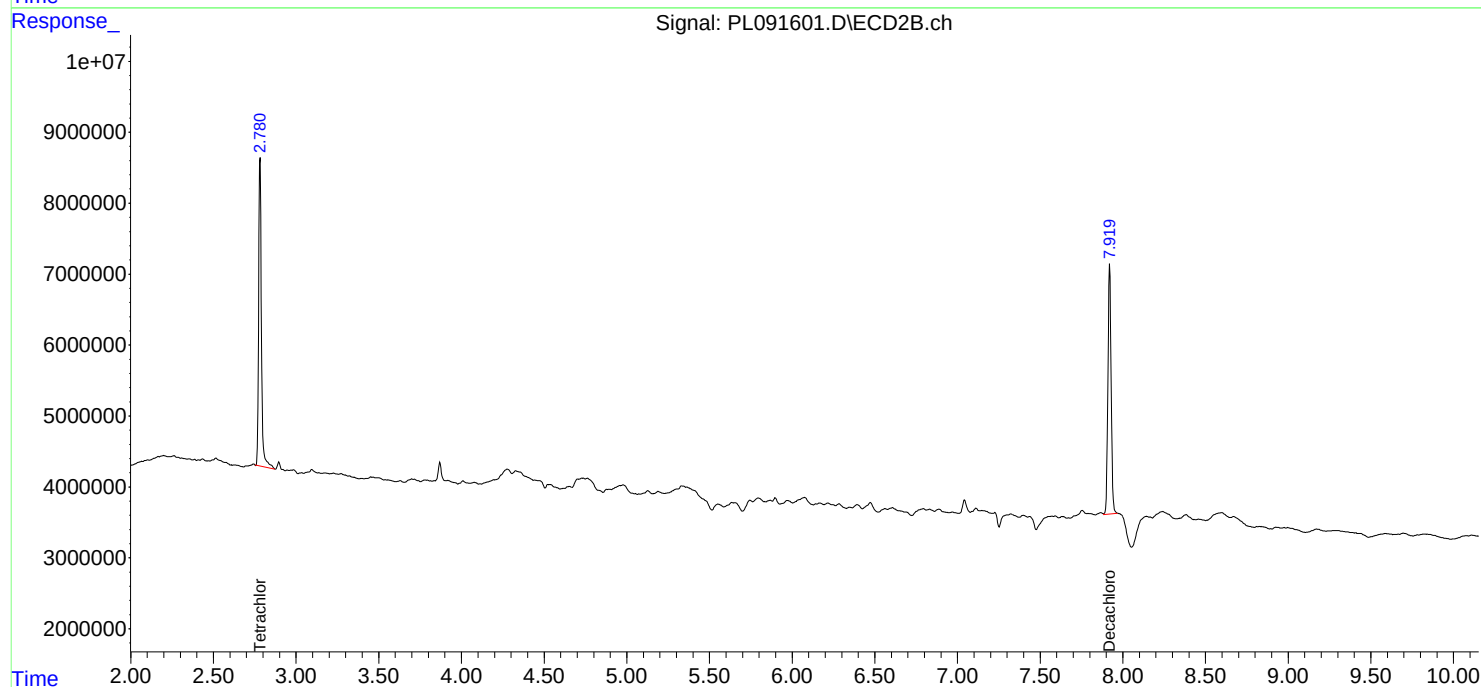
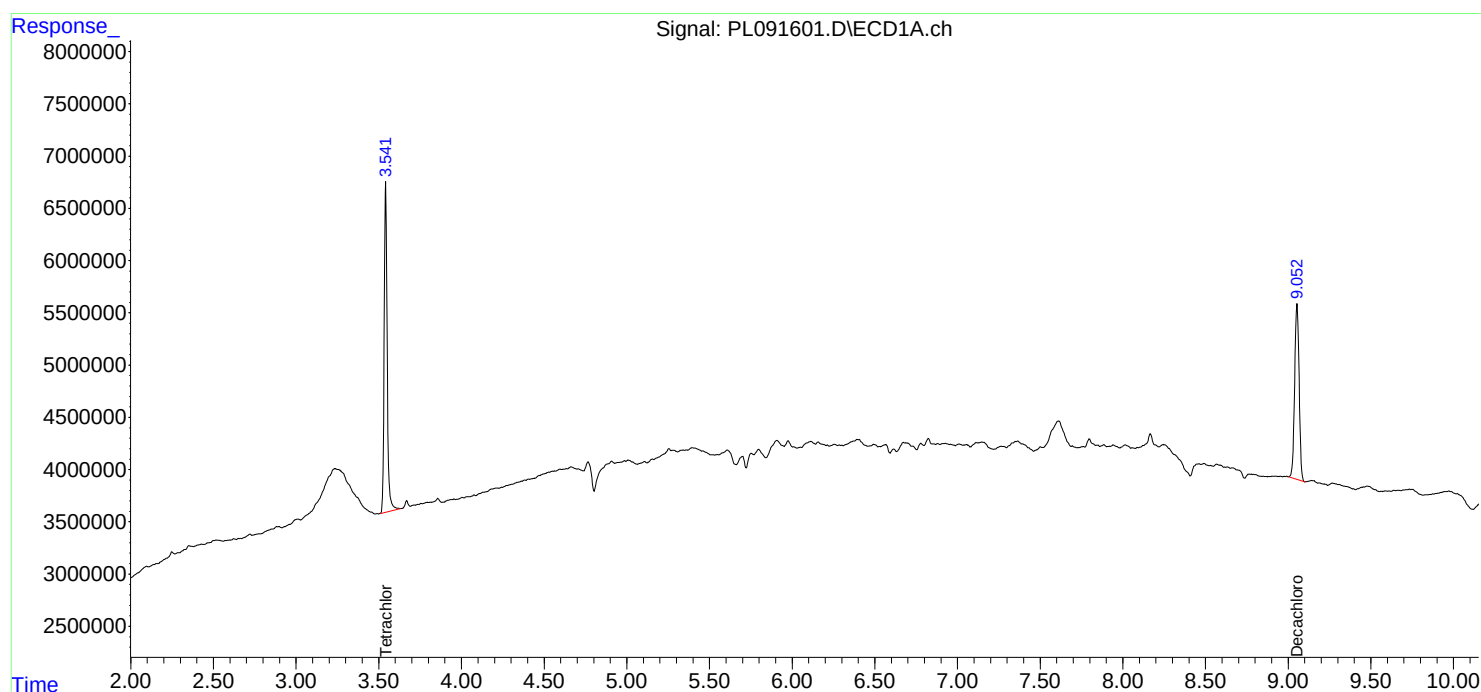
Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

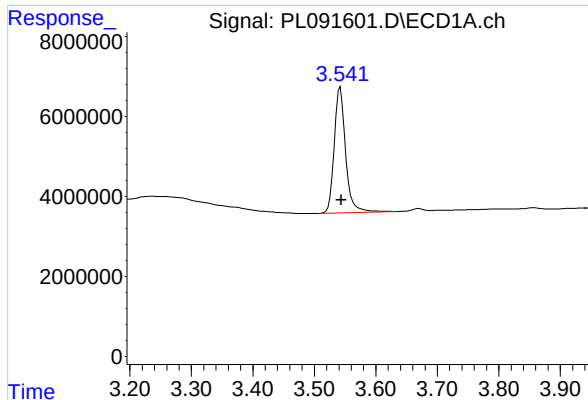
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 09/11/2024  
Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 10 04:40:38 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





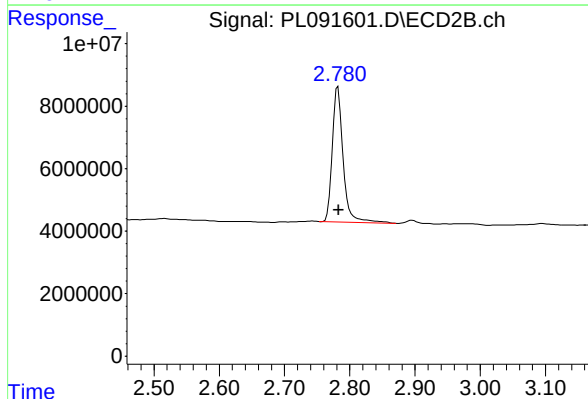
## #1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 40378971  
Conc: 25.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

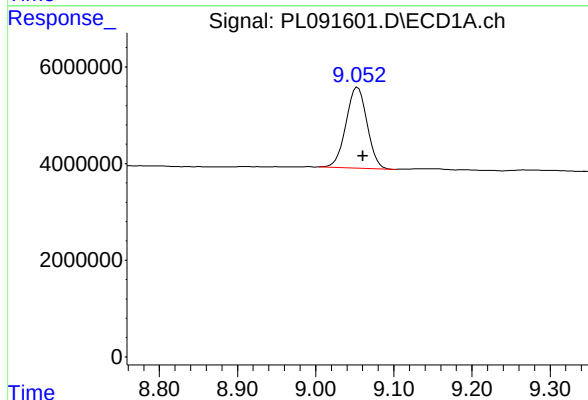
**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



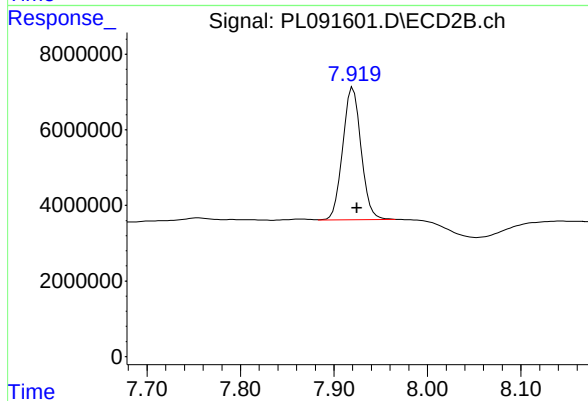
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 50046451  
Conc: 26.76 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.054 min  
Delta R.T.: -0.007 min  
Response: 31423695  
Conc: 25.86 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.919 min  
Delta R.T.: -0.006 min  
Response: 47927535  
Conc: 25.96 ng/ml m

## Report of Analysis

|                    |                           |        |      |                    |                  |           |
|--------------------|---------------------------|--------|------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected:    | 09/10/24         |           |
| Project:           | NJ Waste Water PT         |        |      | Date Received:     | 09/10/24         |           |
| Client Sample ID:  | PIBLK-PL091604.D          |        |      | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091604.D          |        |      | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |      | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL   | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL   | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |      | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       |        | PH : |                    |                  |           |
| Prep Method :      | 3510C                     |        |      |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL091604.D        | 1         |           | 09/10/24      | pl091024      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 18.4   |           | 43 - 140 | 92%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.0   |           | 77 - 126 | 95%        | SPK: 20 |



## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/10/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/10/24         |           |
| Client Sample ID:  | PIBLK-PL091604.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091604.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091604.D        | 1         |           | 09/10/24      | p1091024      |

| 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\PL091024\  
Data File : PL091604.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 10:57  
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: Sep 11 05:30:07 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.781 | 29671243 | 34654067 | 19.037 | 18.529 |
| 28) SA Decachlor...         | 9.055 | 7.922 | 22318962 | 31969536 | 18.365 | 17.313 |

Target Compounds

-----

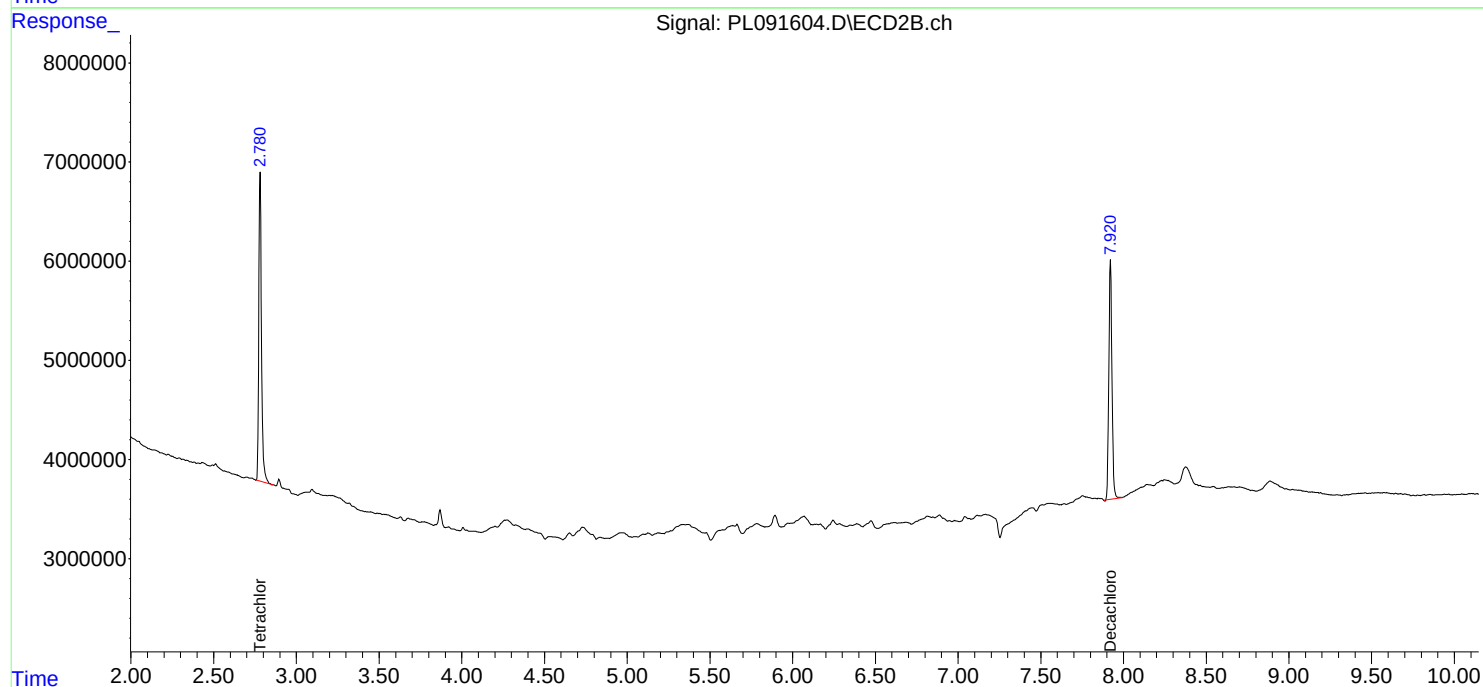
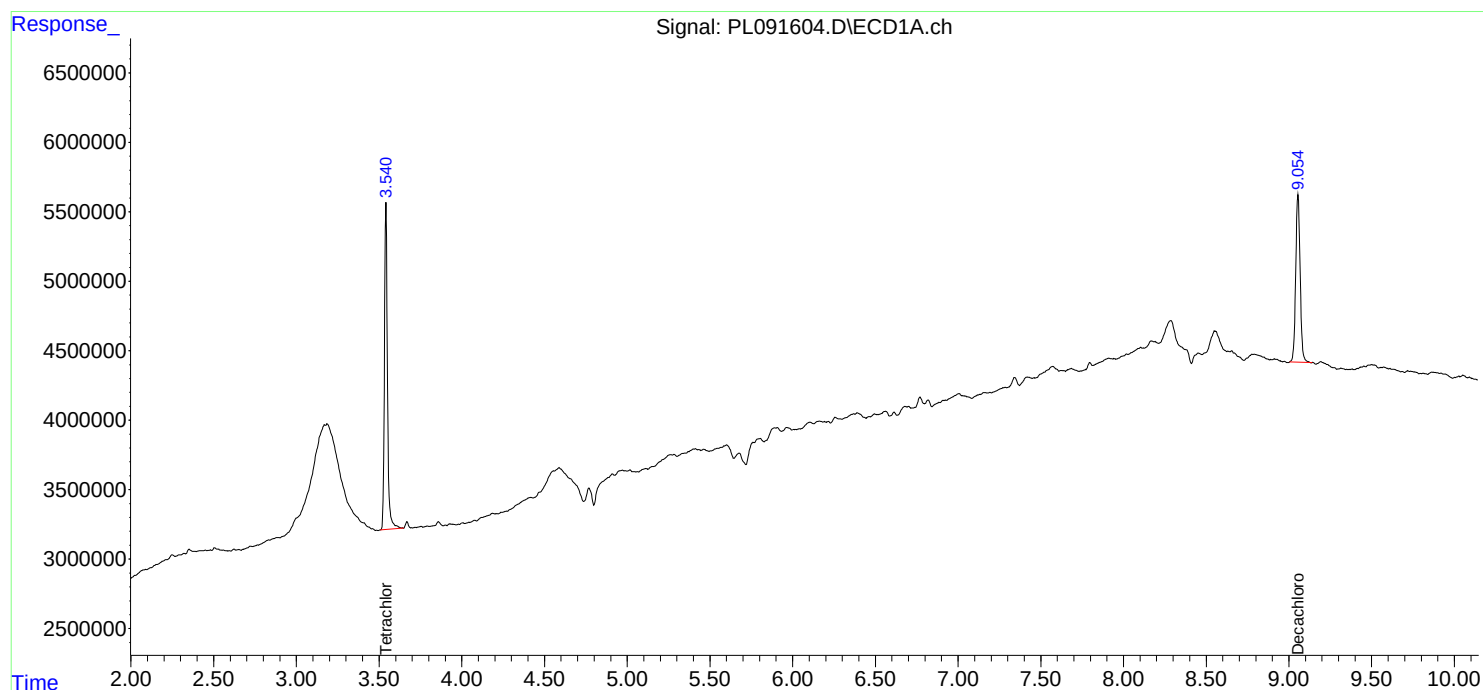
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

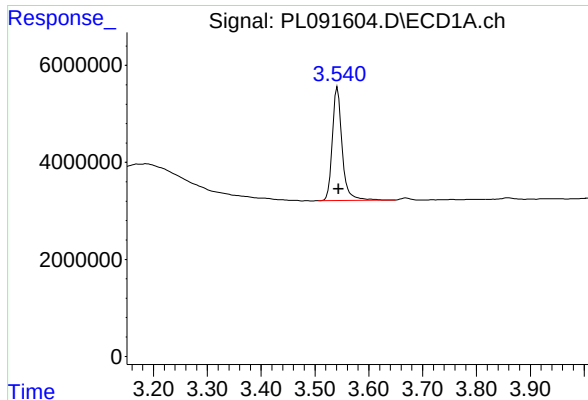
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
Data File : PL091604.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 10:57  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 11 05:30:07 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

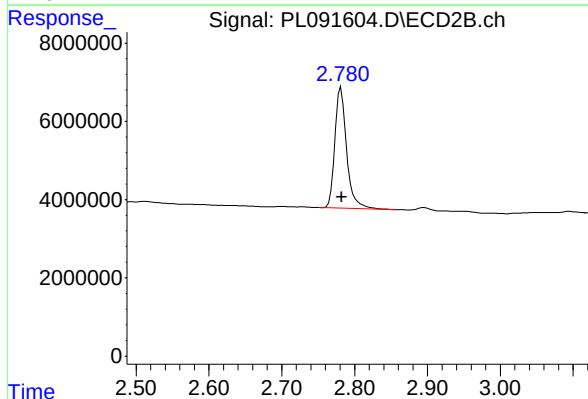




## #1 Tetrachloro-m-xylene

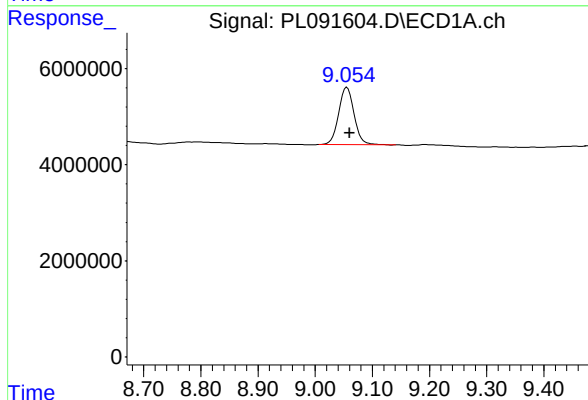
R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 29671243  
Conc: 19.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



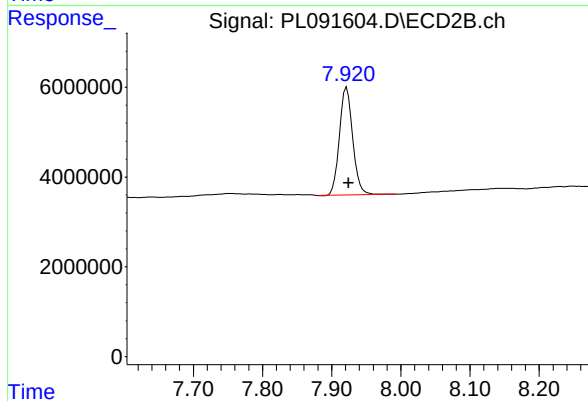
## #1 Tetrachloro-m-xylene

R.T.: 2.781 min  
Delta R.T.: -0.001 min  
Response: 34654067  
Conc: 18.53 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.055 min  
Delta R.T.: -0.005 min  
Response: 22318962  
Conc: 18.36 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.922 min  
Delta R.T.: -0.003 min  
Response: 31969536  
Conc: 17.31 ng/ml

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/10/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/10/24         |           |
| Client Sample ID:  | PIBLK-PL091623.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091623.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091623.D        | 1         |           | 09/10/24      | PL091024      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.3   |           | 43 - 140 | 102%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.6   |           | 77 - 126 | 98%        | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/10/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/10/24         |           |
| Client Sample ID:  | PIBLK-PL091623.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091623.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091623.D        | 1         |           | 09/10/24      | PL091024      |

| 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\PL091024\  
 Data File : PL091623.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Sep 2024 16:56  
 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: Sep 12 07:03:12 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.781 | 30600433 | 33515003 | 19.633 | 17.920 |
| 28) SA Decachlor...         | 9.057 | 7.922 | 24674384 | 36881684 | 20.303 | 19.973 |

Target Compounds

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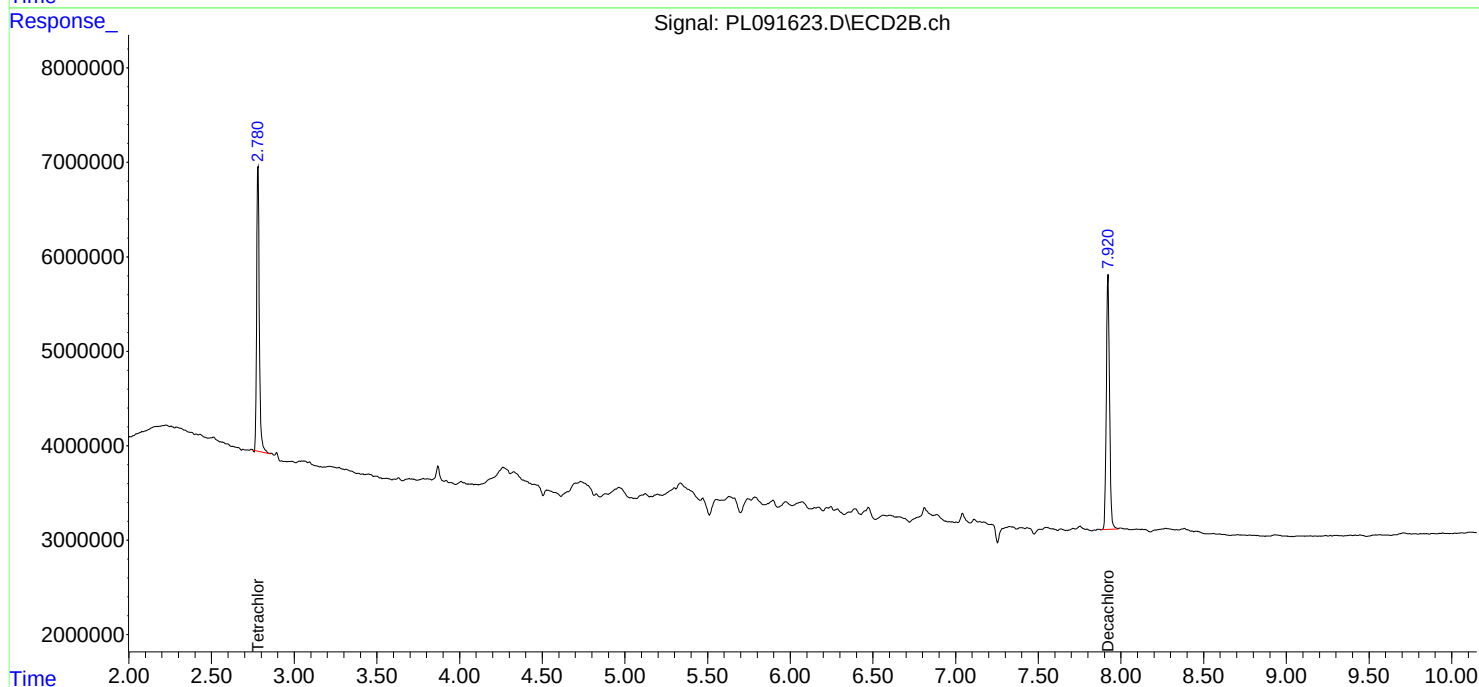
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
Data File : PL091623.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 16:56  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

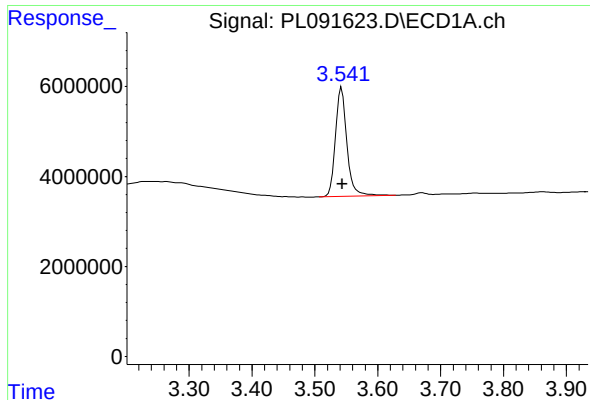
Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 12 07:03:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



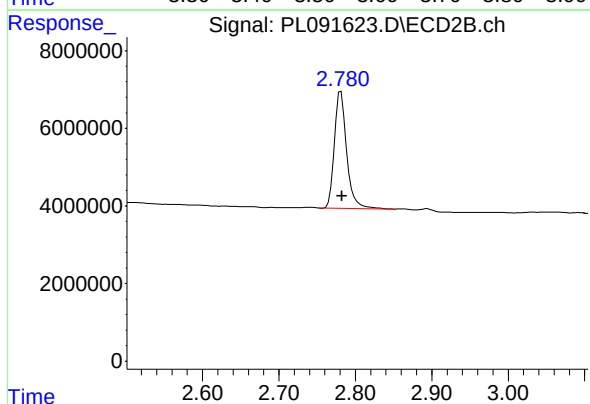




#1 Tetrachloro-m-xylene

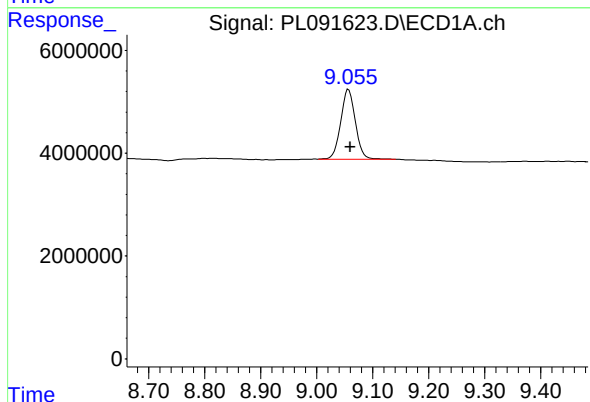
R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 30600433  
Conc: 19.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



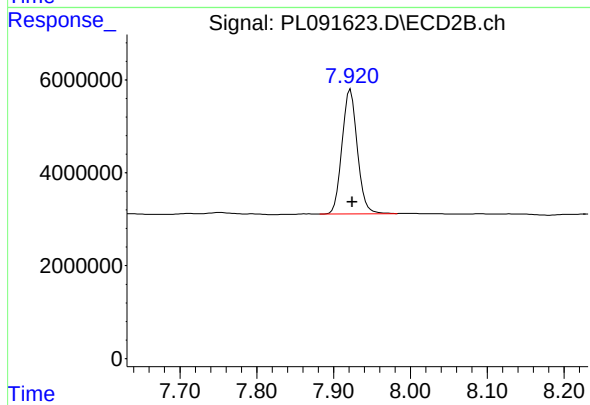
#1 Tetrachloro-m-xylene

R.T.: 2.781 min  
Delta R.T.: -0.002 min  
Response: 33515003  
Conc: 17.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min  
Delta R.T.: -0.003 min  
Response: 24674384  
Conc: 20.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.922 min  
Delta R.T.: -0.003 min  
Response: 36881684  
Conc: 19.97 ng/ml

## Report of Analysis

|                    |                           |        |      |                    |                  |           |
|--------------------|---------------------------|--------|------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected:    | 09/11/24         |           |
| Project:           | NJ Waste Water PT         |        |      | Date Received:     | 09/11/24         |           |
| Client Sample ID:  | PIBLK-PL091650.D          |        |      | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091650.D          |        |      | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |      | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL   | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL   | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |      | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       |        | PH : |                    |                  |           |
| Prep Method :      | 3510C                     |        |      |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL091650.D        | 1         |           | 09/11/24      | PL091124      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.8   |           | 43 - 140 | 104%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.2   |           | 77 - 126 | 101%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/11/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/11/24         |           |
| Client Sample ID:  | PIBLK-PL091650.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091650.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091650.D        | 1         |           | 09/11/24      | PL091124      |

| 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\PL091124\  
 Data File : PL091650.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Sep 2024 10:59  
 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: Sep 12 04:41:30 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.544 | 2.783 | 31519927 | 36444332 | 20.223 | 19.486 |
| 28) SA Decachlor...         | 9.059 | 7.924 | 25330383 | 37761421 | 20.843 | 20.450 |

Target Compounds

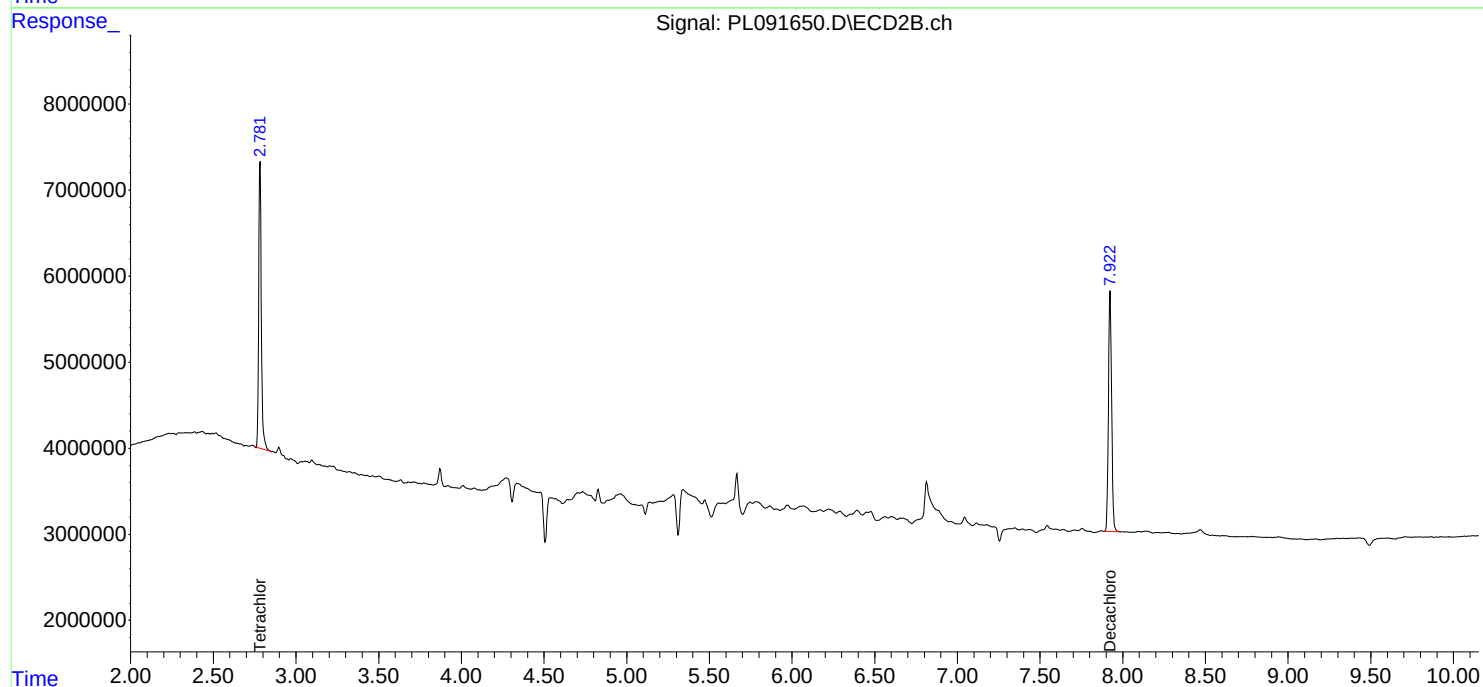
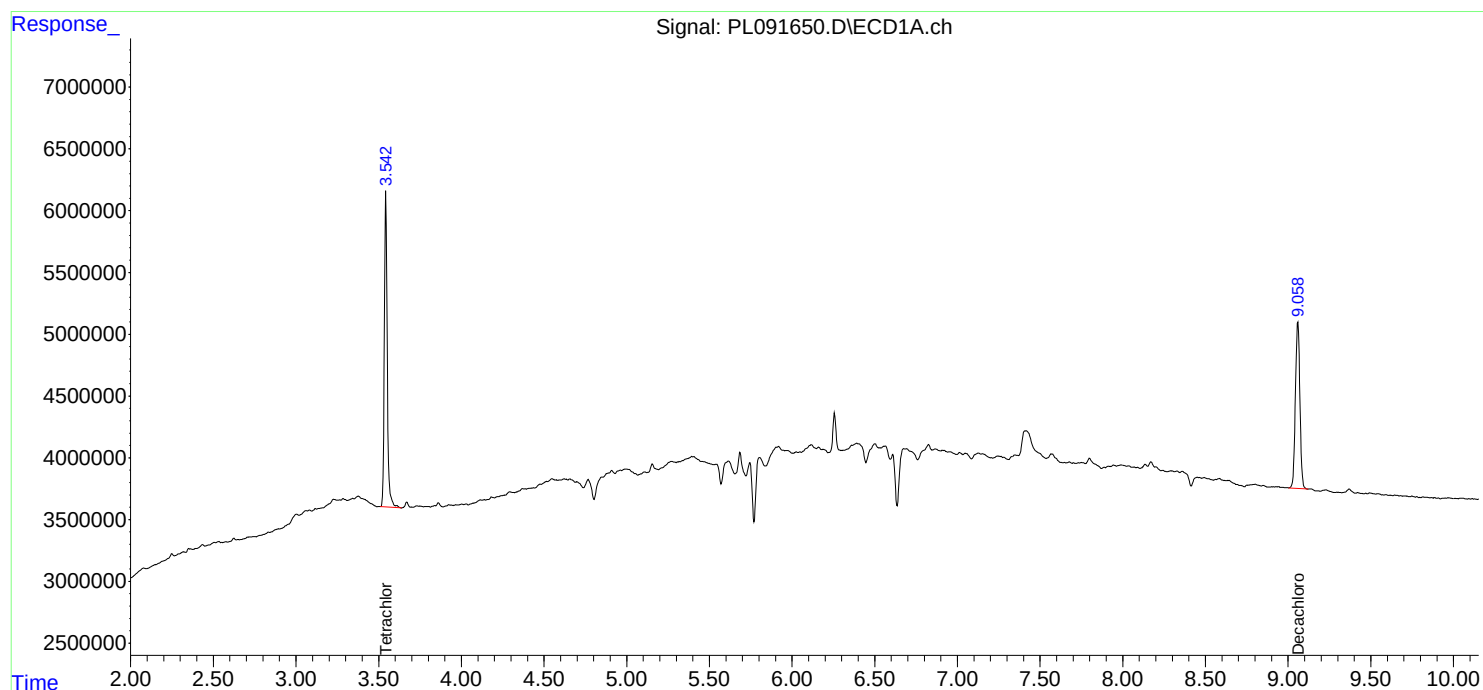
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

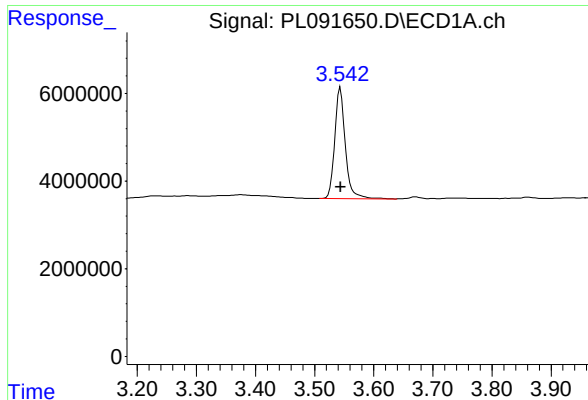
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091124\  
Data File : PL091650.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Sep 2024 10:59  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 12 04:41:30 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

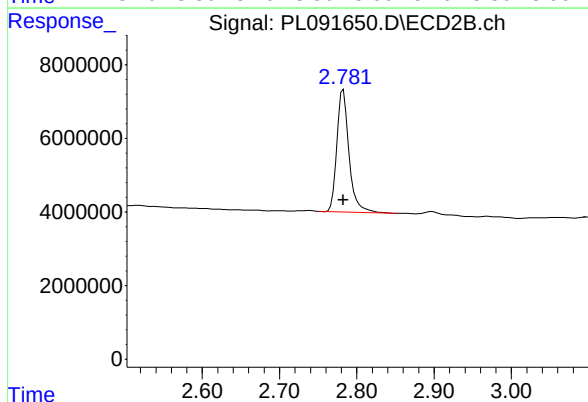




#1 Tetrachloro-m-xylene

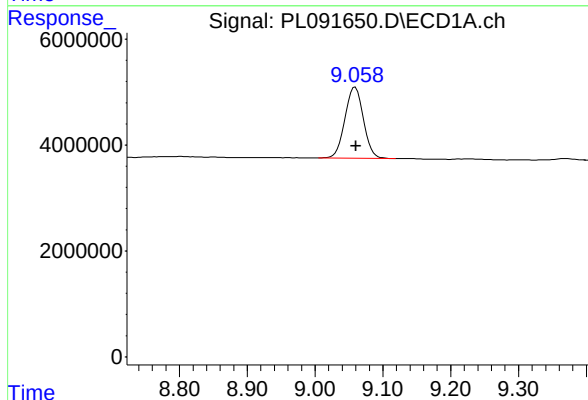
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 31519927  
Conc: 20.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



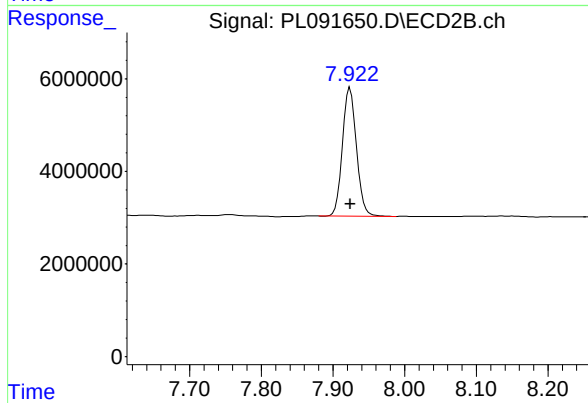
#1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 36444332  
Conc: 19.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min  
Delta R.T.: -0.001 min  
Response: 25330383  
Conc: 20.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.924 min  
Delta R.T.: 0.000 min  
Response: 37761421  
Conc: 20.45 ng/ml

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/11/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/11/24         |           |
| Client Sample ID:  | PIBLK-PL091662.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091662.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091662.D        | 1         |           | 09/11/24      | PL091124      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 19.0   |           | 43 - 140 | 95%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.1   |           | 77 - 126 | 101%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/11/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/11/24         |           |
| Client Sample ID:  | PIBLK-PL091662.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091662.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091662.D        | 1         |           | 09/11/24      | PL091124      |

| 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\PL091124\  
 Data File : PL091662.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Sep 2024 15:04  
 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 09/12/2024  
 Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 12 03:51:31 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.545 | 2.784 | 31337113 | 35832294 | 20.106  | 19.159  |
| 28) SA Decachlor...         | 9.062 | 7.925 | 23128738 | 30230594 | 19.031m | 16.371m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091124\  
Data File : PL091662.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Sep 2024 15:04  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

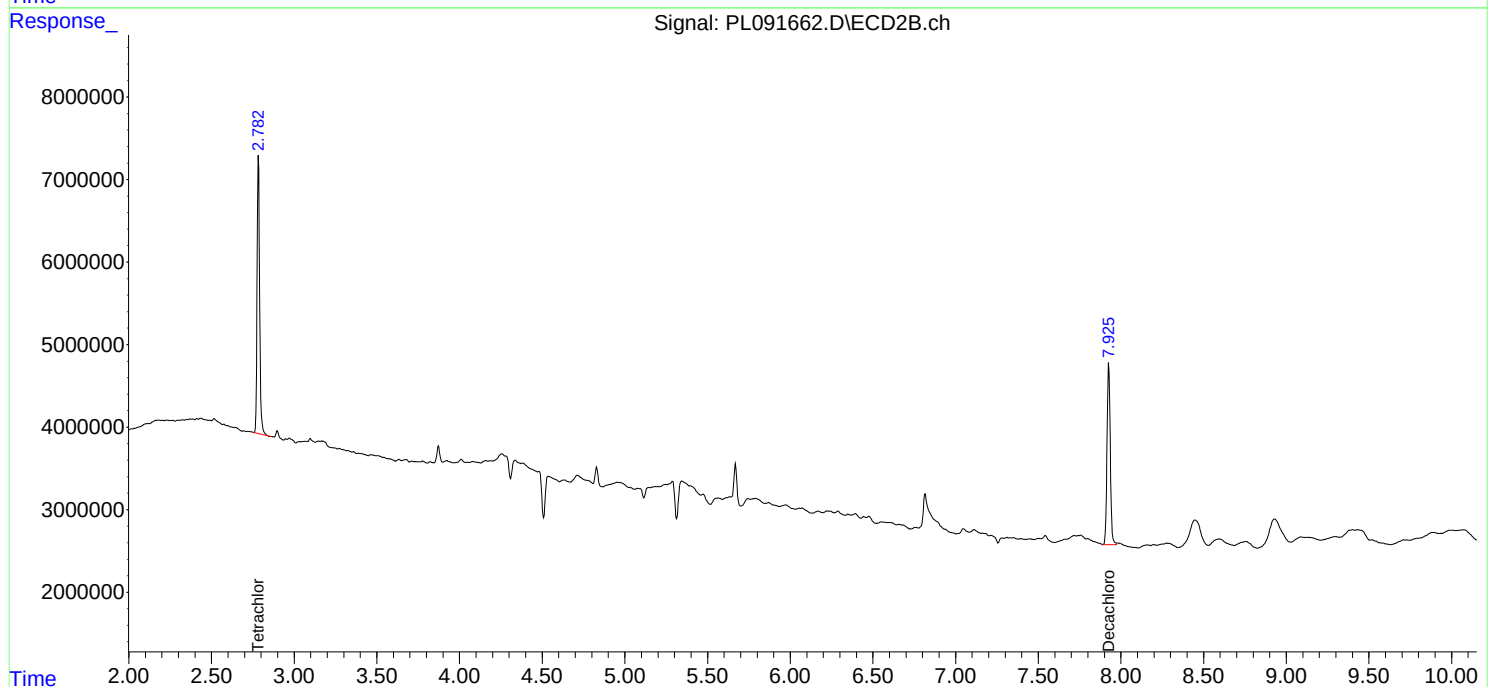
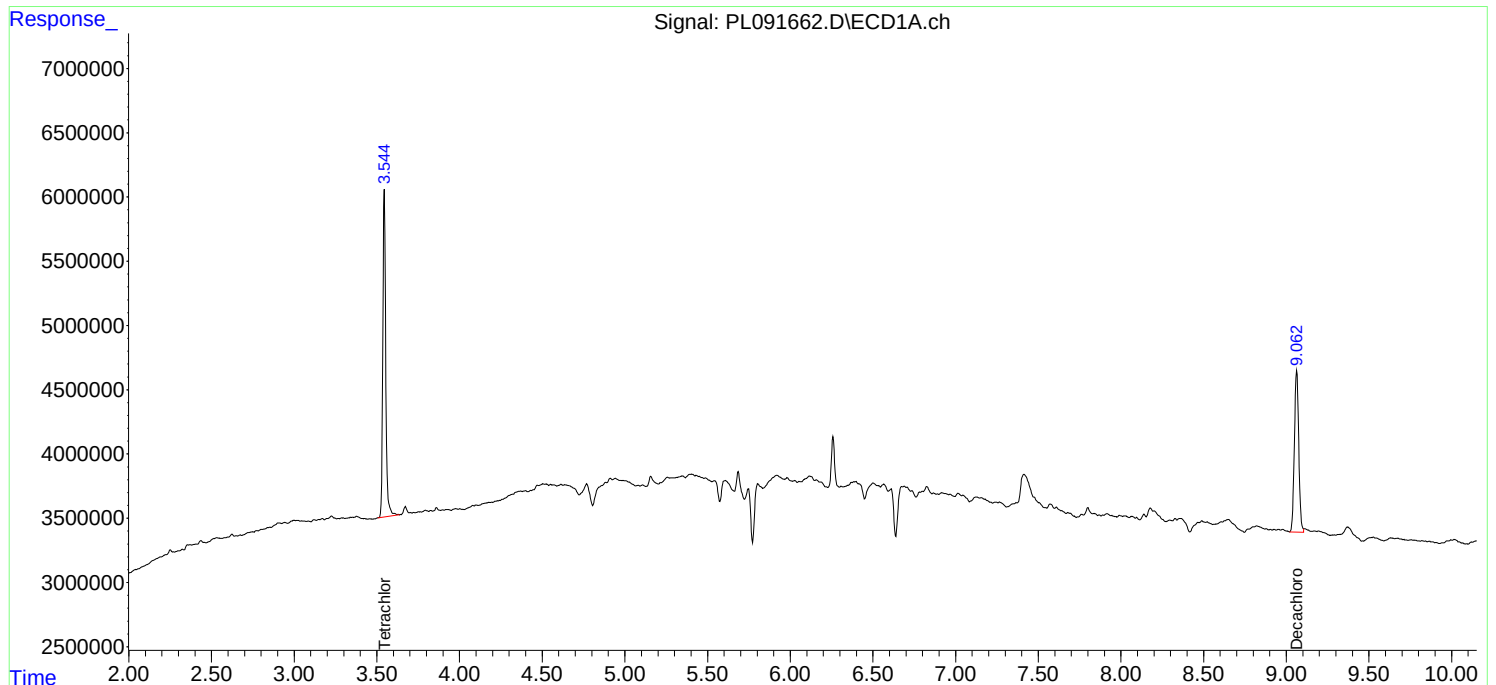
Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

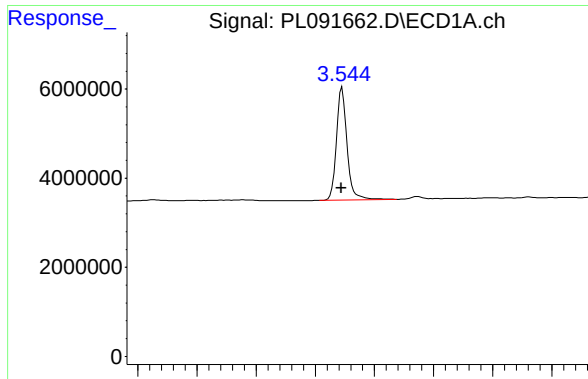
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 09/12/2024  
Supervised By : Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 12 03:51:31 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





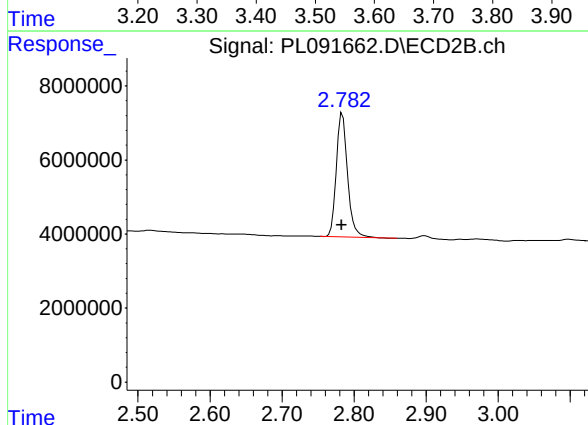
## #1 Tetrachloro-m-xylene

R.T.: 3.545 min  
Delta R.T.: 0.001 min  
Response: 31337113  
Conc: 20.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

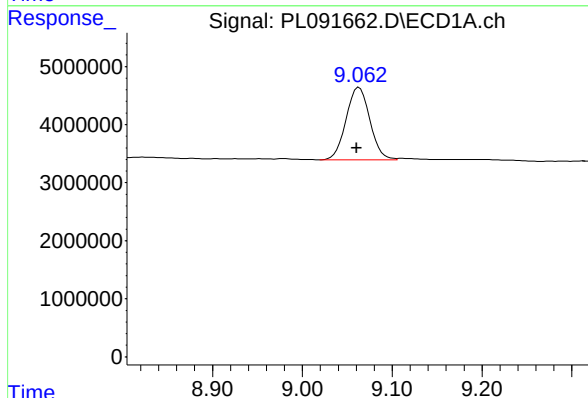
**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



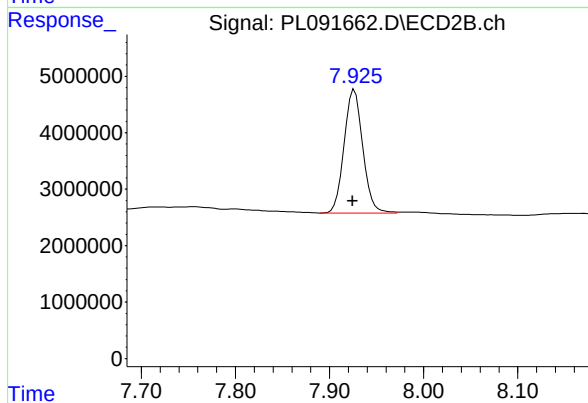
## #1 Tetrachloro-m-xylene

R.T.: 2.784 min  
Delta R.T.: 0.001 min  
Response: 35832294  
Conc: 19.16 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: 0.002 min  
Response: 23128738  
Conc: 19.03 ng/ml m



## #28 Decachlorobiphenyl

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 30230594  
Conc: 16.37 ng/ml m

## Report of Analysis

|                    |                           |        |    |                    |                  |           |
|--------------------|---------------------------|--------|----|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |    | Date Collected:    | 09/23/24         |           |
| Project:           | NJ Waste Water PT         |        |    | Date Received:     | 09/23/24         |           |
| Client Sample ID:  | PIBLK-PL091953.D          |        |    | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091953.D          |        |    | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |    | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |    | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :   |    |                    |                  |           |
| Prep Method :      | 3510C                     |        |    |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL091953.D        | 1         |           | 09/23/24      | PL092324      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 19.6   |           | 43 - 140 | 98%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.0   |           | 77 - 126 | 95%        | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/23/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/23/24         |           |
| Client Sample ID:  | PIBLK-PL091953.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091953.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL091953.D        | 1         |           | 09/23/24      | PL092324      |

| 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\PL092324\  
Data File : PL091953.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 10:52  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 14:04:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:03:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.544 | 2.782 | 42236372 | 45921989 | 18.986 | 18.310 |
| 28) SA Decachlor...         | 9.060 | 7.923 | 32124664 | 46897103 | 19.609 | 18.744 |

Target Compounds

-----

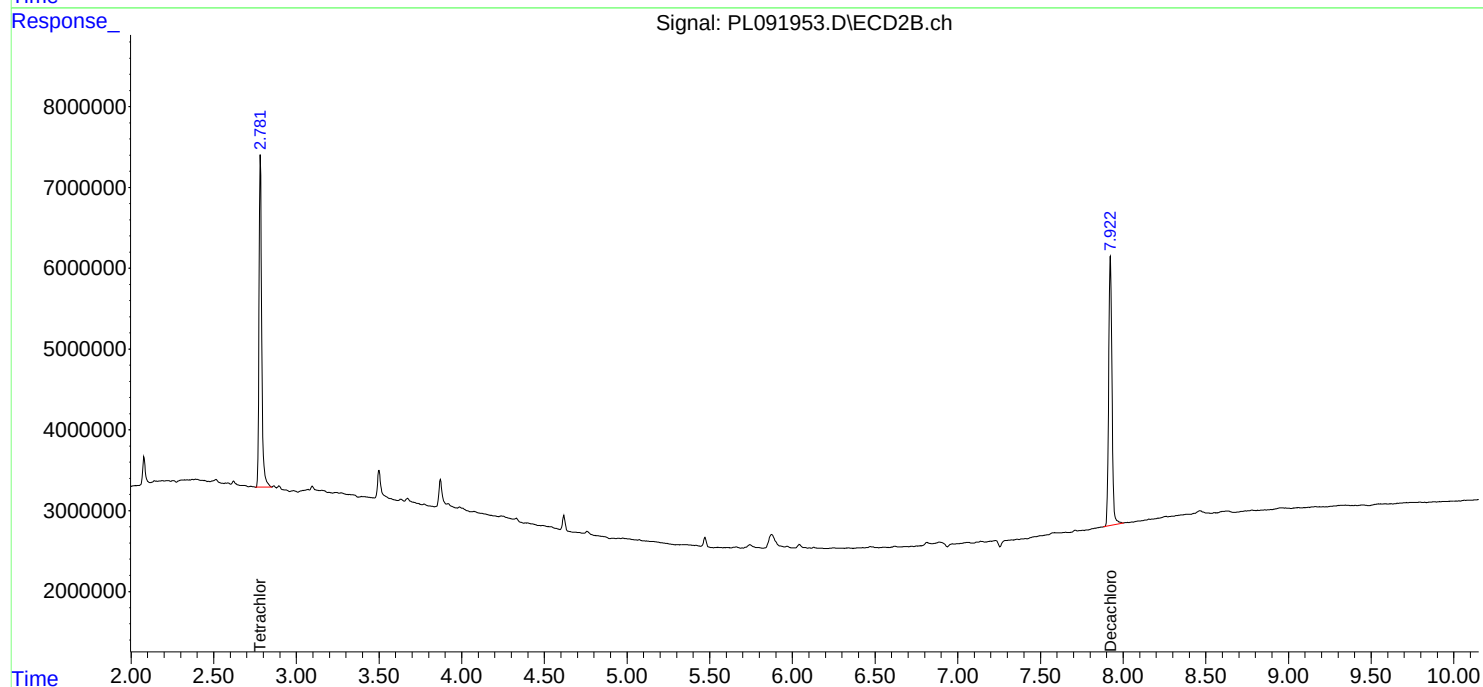
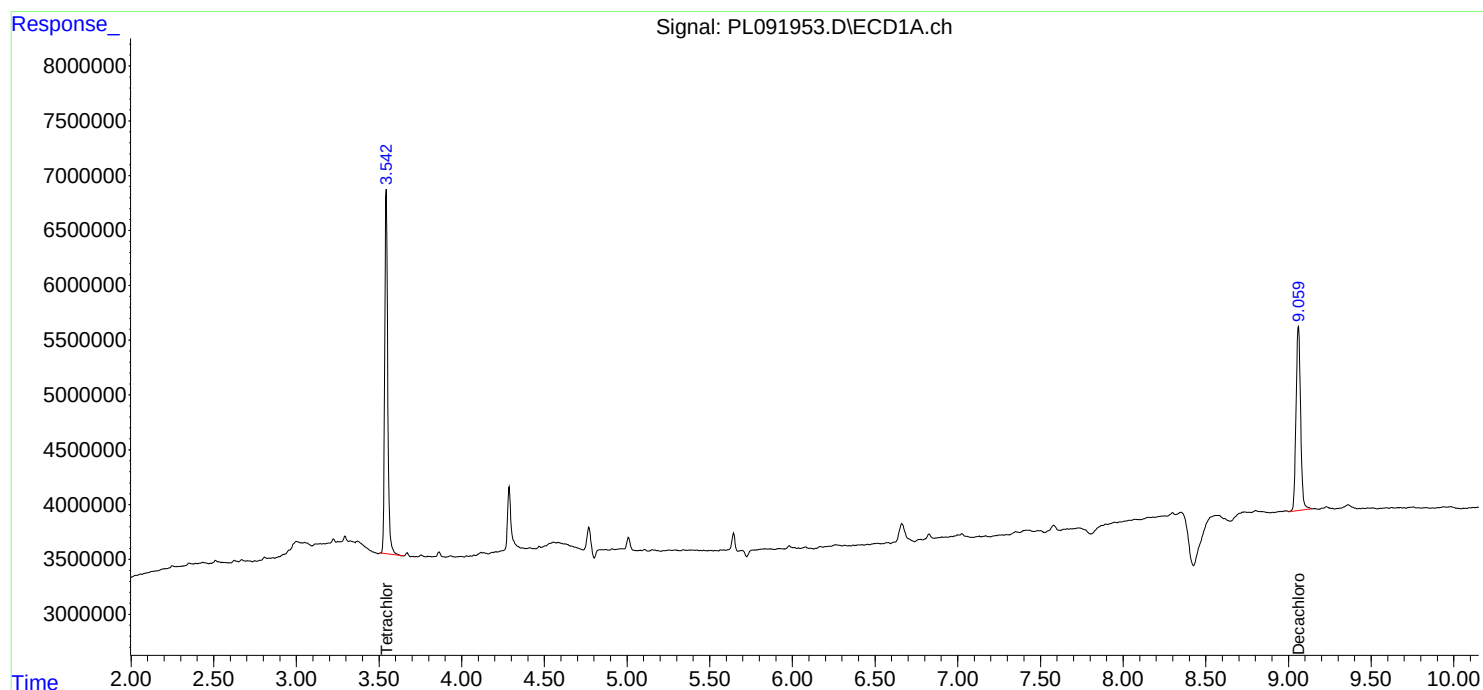
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

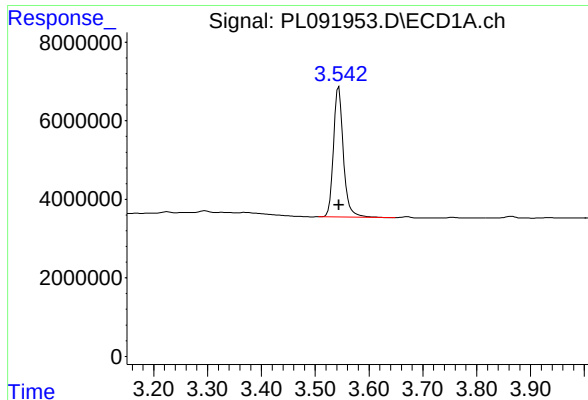
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092324\  
Data File : PL091953.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Sep 2024 10:52  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 23 14:04:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 14:03:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

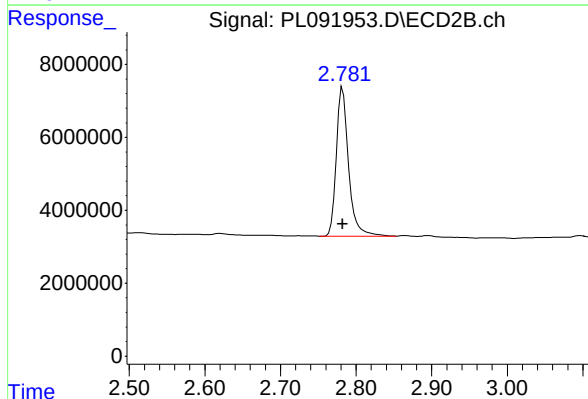




## #1 Tetrachloro-m-xylene

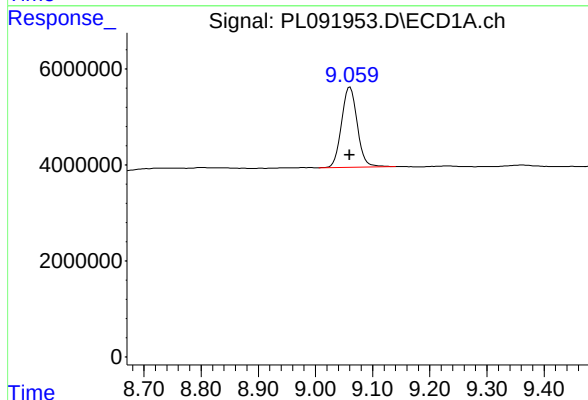
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 42236372  
Conc: 18.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



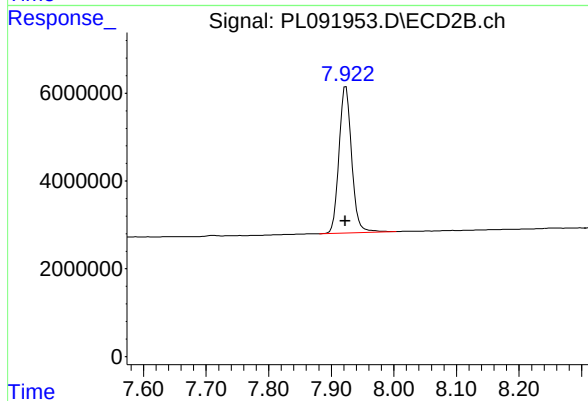
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 45921989  
Conc: 18.31 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.060 min  
Delta R.T.: 0.000 min  
Response: 32124664  
Conc: 19.61 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 46897103  
Conc: 18.74 ng/ml



## Report of Analysis

|                    |                           |        |      |                    |                  |           |
|--------------------|---------------------------|--------|------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected:    | 09/24/24         |           |
| Project:           | NJ Waste Water PT         |        |      | Date Received:     | 09/24/24         |           |
| Client Sample ID:  | PIBLK-PL091991.D          |        |      | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091991.D          |        |      | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |      | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL   | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL   | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |      | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       |        | PH : |                    |                  |           |
| Prep Method :      | 3510C                     |        |      |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL091991.D        | 1         |           | 09/24/24      | PL092424      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.7   |           | 43 - 140 | 104%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.3   |           | 77 - 126 | 101%       | SPK: 20 |

## Report of Analysis

|                    |                           |        |      |                    |                  |           |
|--------------------|---------------------------|--------|------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected:    | 09/24/24         |           |
| Project:           | NJ Waste Water PT         |        |      | Date Received:     | 09/24/24         |           |
| Client Sample ID:  | PIBLK-PL091991.D          |        |      | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL091991.D          |        |      | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |      | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL   | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL   | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |      | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       |        | PH : |                    |                  |           |
| Prep Method :      | 3510C                     |        |      |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL091991.D        | 1         |           | 09/24/24      | PL092424      |

| 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 OC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL091991.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 09:28  
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: Sep 25 01:16:23 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.545 | 2.782 | 45103558 | 49097982 | 20.274 | 19.576 |
| 28)                         | SA Decachlor... | 9.061 | 7.923 | 33923814 | 48894949 | 20.708 | 19.543 |

Target Compounds

-----

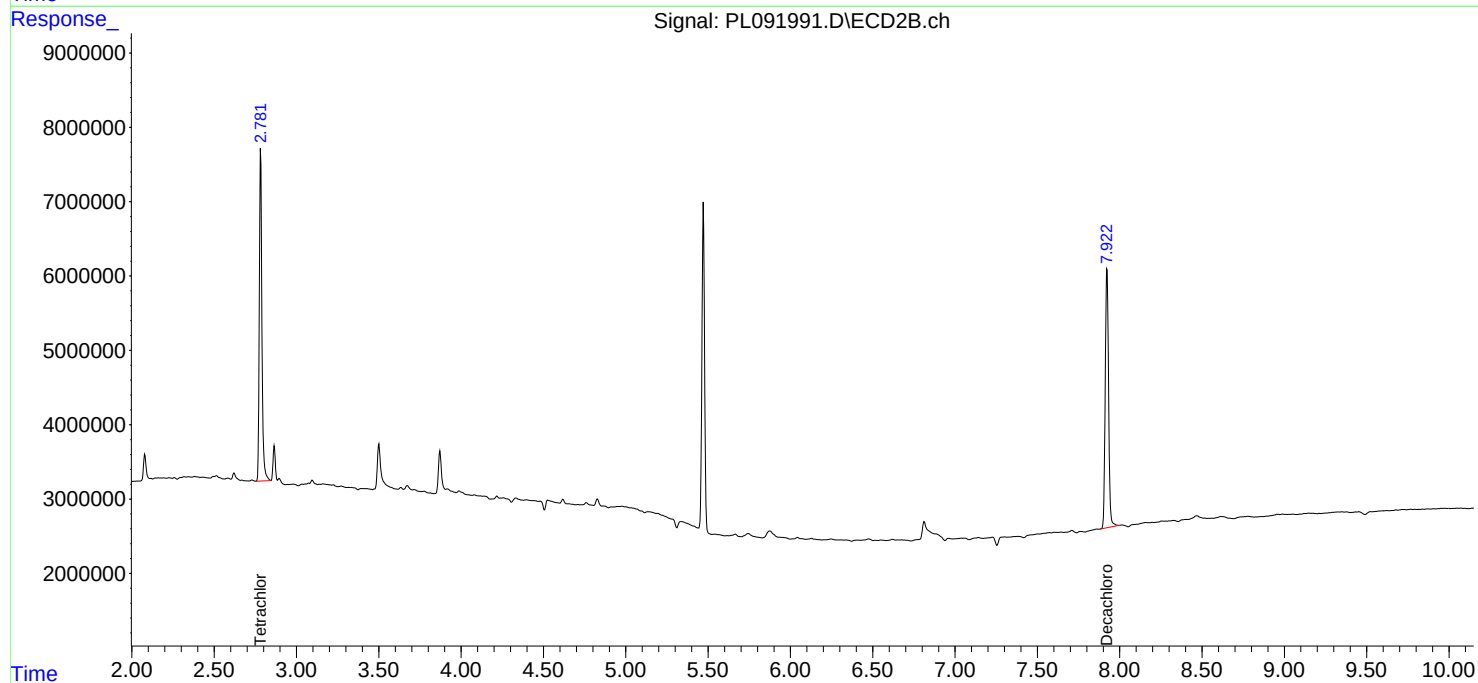
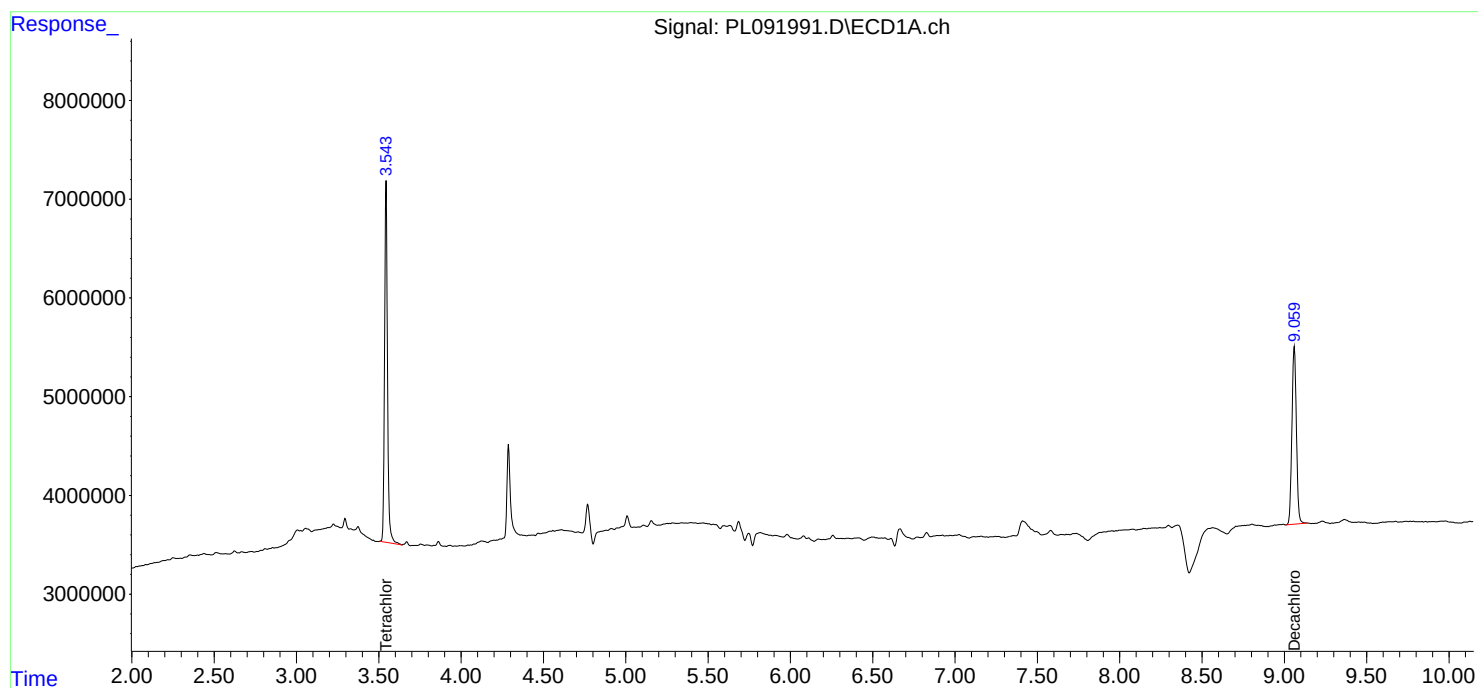
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

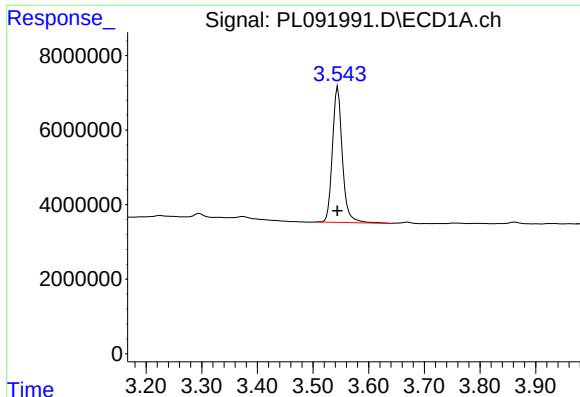
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL091991.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 09:28  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:16:23 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

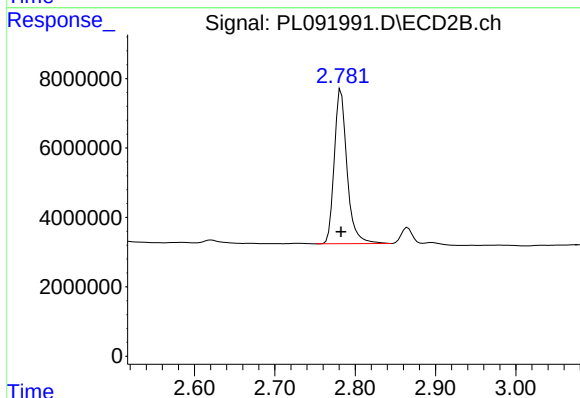




## #1 Tetrachloro-m-xylene

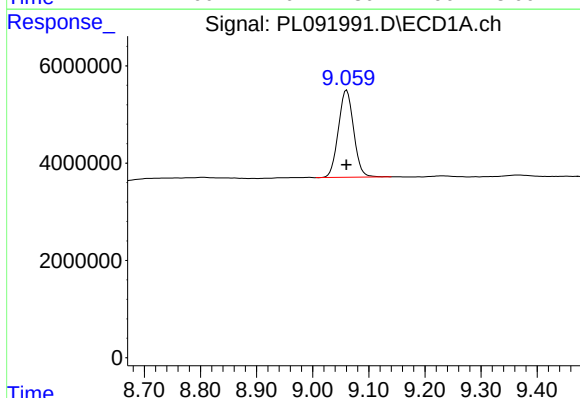
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 45103558  
Conc: 20.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



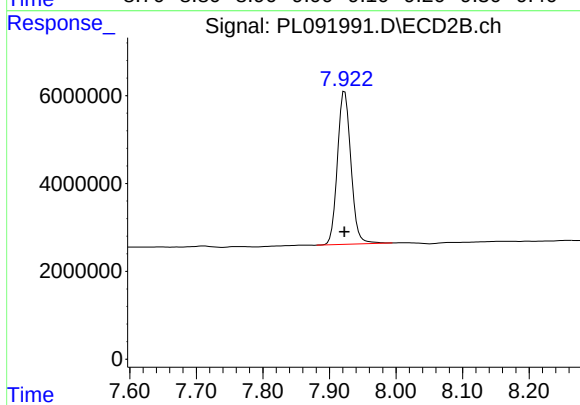
## #1 Tetrachloro-m-xylene

R.T.: 2.782 min  
Delta R.T.: 0.000 min  
Response: 49097982  
Conc: 19.58 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 33923814  
Conc: 20.71 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 48894949  
Conc: 19.54 ng/ml

## Report of Analysis

|                    |                           |        |      |                    |                  |           |
|--------------------|---------------------------|--------|------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected:    | 09/24/24         |           |
| Project:           | NJ Waste Water PT         |        |      | Date Received:     | 09/24/24         |           |
| Client Sample ID:  | PIBLK-PL092002.D          |        |      | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL092002.D          |        |      | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |        |      | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL   | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           |        | uL   | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |        |      | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       |        | PH : |                    |                  |           |
| Prep Method :      | 3510C                     |        |      |                    |                  |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL092002.D        | 1         |           | 09/24/24      | PL092424      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.9   |           | 43 - 140 | 104%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.0   |           | 77 - 126 | 100%       | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    | 09/24/24         |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     | 09/24/24         |           |
| Client Sample ID:  | PIBLK-PL092002.D          |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | I.BLK-PL092002.D          |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092002.D        | 1         |           | 09/24/24      | PL092424      |

| 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\PL092424\  
Data File : PL092002.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 14:08  
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: Sep 25 01:18:27 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.783 | 44399966 | 48843118 | 19.958 | 19.474 |
| 28)                         | SA Decachlor... | 9.061 | 7.923 | 34165687 | 50902131 | 20.855 | 20.345 |

Target Compounds

-----

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

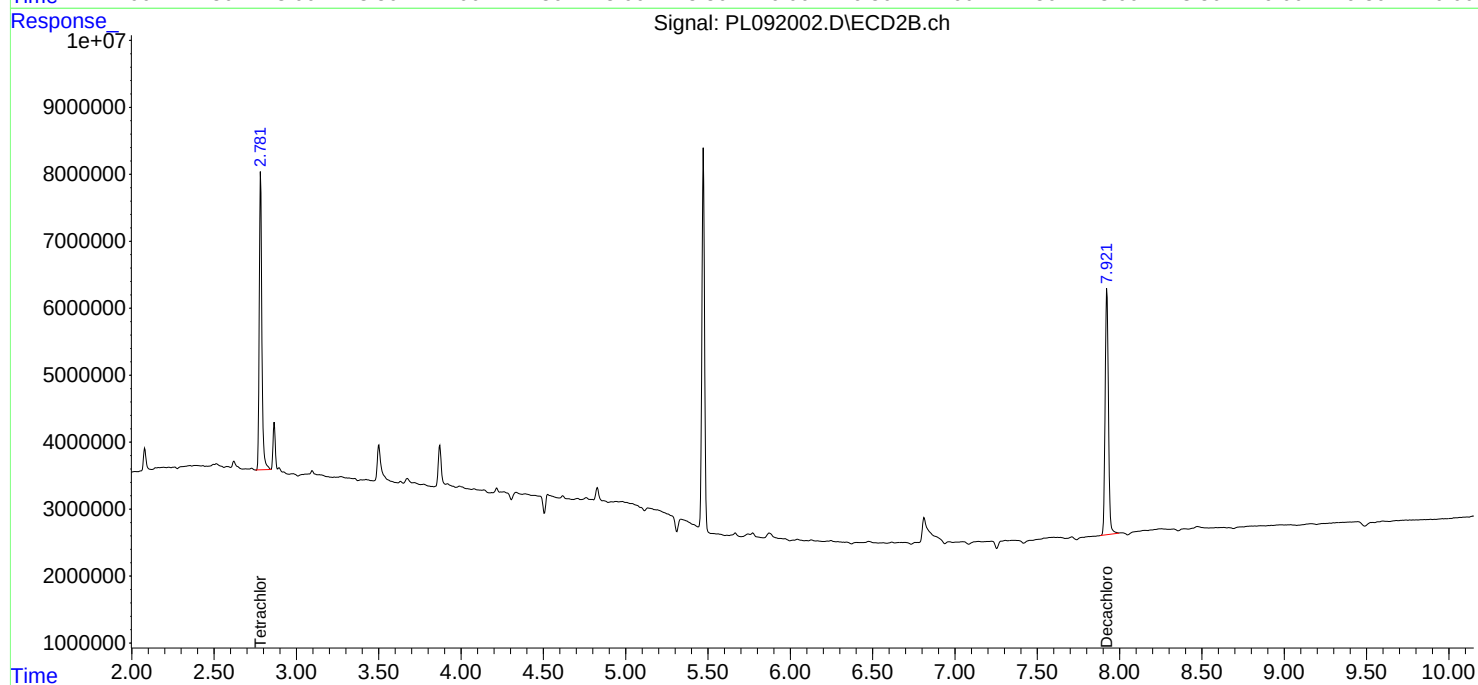
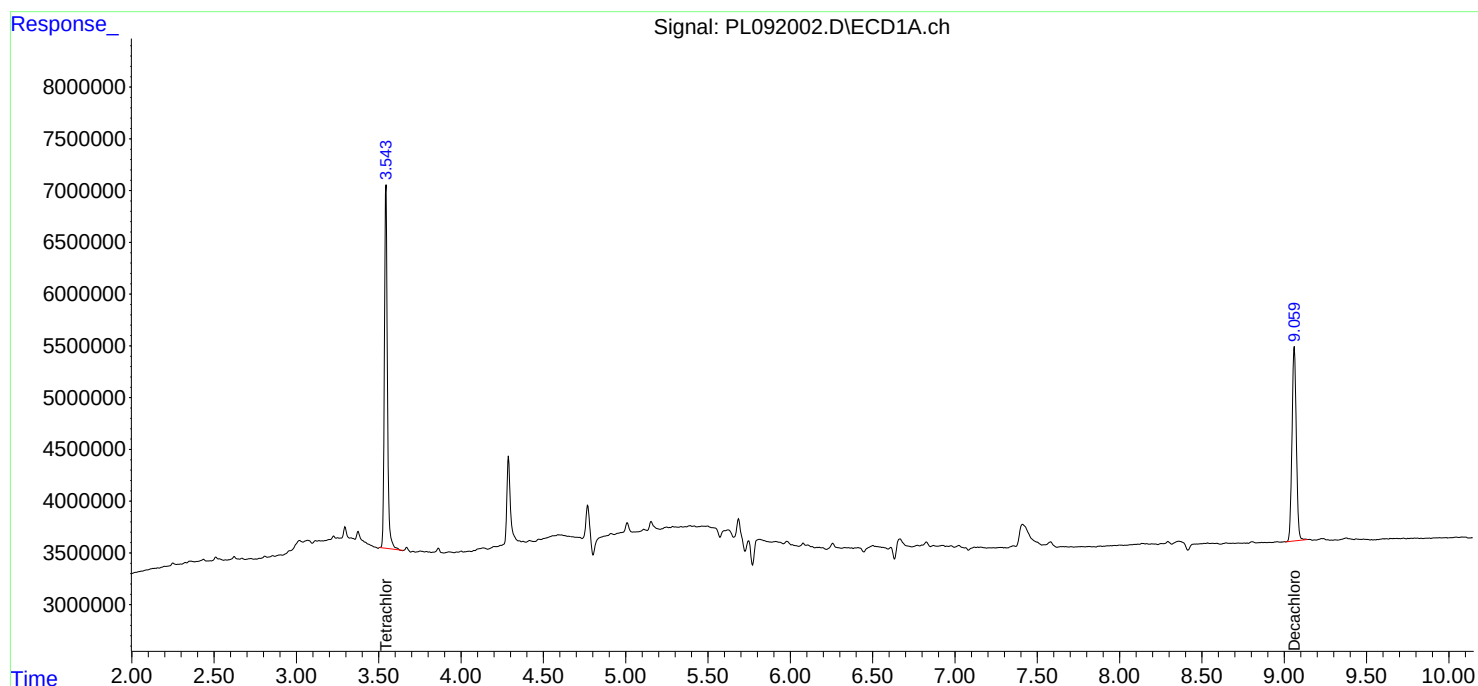


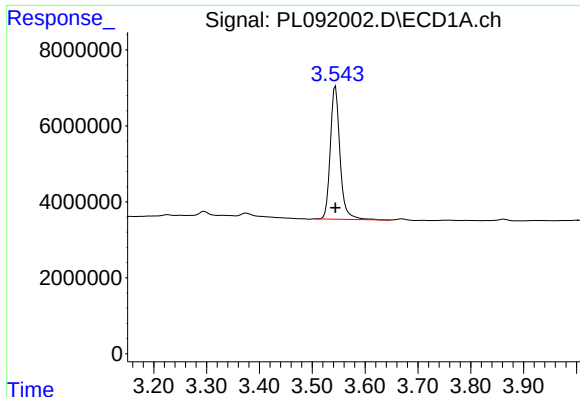
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092424\  
Data File : PL092002.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2024 14:08  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 25 01:18:27 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092324.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 23 16:44:57 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

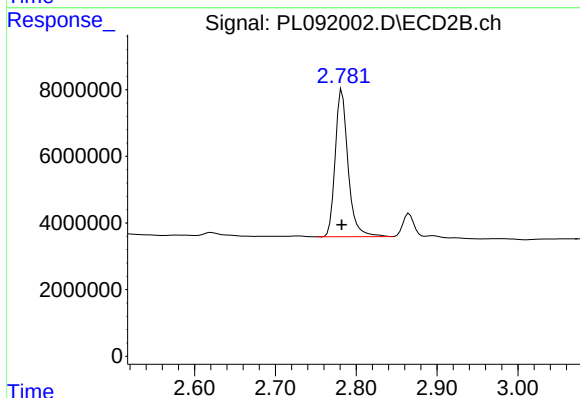




## #1 Tetrachloro-m-xylene

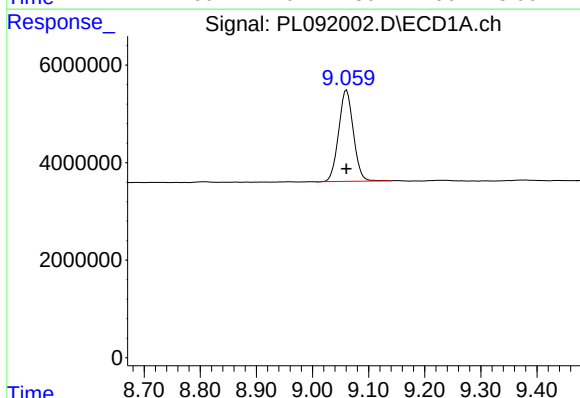
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 44399966  
Conc: 19.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



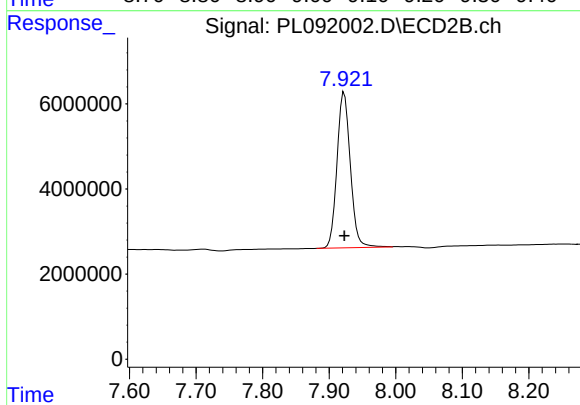
## #1 Tetrachloro-m-xylene

R.T.: 2.783 min  
Delta R.T.: 0.000 min  
Response: 48843118  
Conc: 19.47 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.000 min  
Response: 34165687  
Conc: 20.86 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 50902131  
Conc: 20.35 ng/ml

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    |                  |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     |                  |           |
| Client Sample ID:  | PB163229BS                |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | PB163229BS                |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL091611.D        | 1         | 09/09/24 10:10 | 09/10/24 12:57 | PB163229      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.52  |           | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.51  |           | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.55  |           | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.52  |           | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.54  |           | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.53  |           | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.50  |           | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.53  |           | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.54  |           | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.56  |           | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.52  |           | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.54  |           | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.52  |           | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.54  |           | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.55  |           | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.54  |           | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.53  |           | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.54  |           | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.54  |           | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.52  |           | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.1  |           | 43 - 140 | 106%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.7  |           | 77 - 126 | 99%        | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    |                  |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     |                  |           |
| Client Sample ID:  | PB163229BS                |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | PB163229BS                |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL091611.D        | 1         | 09/09/24 10:10 | 09/10/24 12:57 | PB163229      |

| 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\PL091024\  
 Data File : PL091611.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Sep 2024 12:57  
 Operator : AR\AJ  
 Sample : PB163229BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB163229BS

Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 09/11/2024  
 Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 11 05:32:27 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.549 | 2.784 | 30760106 | 36840957 | 19.736  | 19.698  |
| 28)                         | SA Decachlor... | 9.065 | 7.926 | 25448201 | 39027000 | 20.939  | 21.135  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.006 | 3.287 | 111.6E6  | 138.4E6  | 51.678  | 52.027  |
| 3)                          | MA gamma-BHC... | 4.338 | 3.618 | 106.8E6  | 129.0E6  | 51.962  | 52.434  |
| 4)                          | MA Heptachlor   | 4.927 | 3.958 | 101.0E6  | 127.0E6  | 53.904  | 52.741  |
| 5)                          | MB Aldrin       | 5.269 | 4.238 | 96720716 | 121.4E6  | 51.928  | 53.229  |
| 6)                          | B beta-BHC      | 4.535 | 3.917 | 46486304 | 54428120 | 51.083  | 49.821  |
| 7)                          | B delta-BHC     | 4.782 | 4.147 | 96672794 | 125.6E6  | 50.320  | 54.610  |
| 8)                          | B Heptachlo...  | 5.694 | 4.741 | 83437707 | 105.2E6  | 50.001  | 49.898  |
| 9)                          | A Endosulfan I  | 6.080 | 5.111 | 81821521 | 99900013 | 52.513  | 51.779  |
| 10)                         | B gamma-Chl...  | 5.950 | 4.991 | 86608068 | 110.7E6  | 51.837  | 50.175  |
| 11)                         | B alpha-Chl...  | 6.030 | 5.055 | 86468456 | 108.8E6  | 53.646  | 52.584  |
| 12)                         | B 4,4'-DDE      | 6.203 | 5.244 | 76542545 | 106.8E6  | 52.475  | 56.294  |
| 13)                         | MA Dieldrin     | 6.353 | 5.375 | 86969179 | 110.5E6  | 53.298m | 53.748  |
| 14)                         | MA Endrin       | 6.583 | 5.650 | 69675111 | 97275373 | 52.400m | 51.545  |
| 15)                         | B Endosulfa...  | 6.803 | 5.945 | 79593972 | 94954743 | 51.351  | 53.680  |
| 16)                         | A 4,4'-DDD      | 6.719 | 5.799 | 65580960 | 86489123 | 51.738  | 51.612  |
| 17)                         | MA 4,4'-DDT     | 7.032 | 6.049 | 69037023 | 88462927 | 52.630  | 55.056  |
| 18)                         | B Endrin al...  | 6.932 | 6.124 | 60645306 | 73992843 | 51.043m | 54.126  |
| 19)                         | B Endosulfa...  | 7.167 | 6.347 | 71299941 | 92249985 | 51.060  | 53.755  |
| 20)                         | A Methoxychlor  | 7.508 | 6.624 | 35497850 | 47513888 | 52.475  | 53.642  |
| 21)                         | B Endrin ke...  | 7.652 | 6.851 | 79954124 | 106.9E6  | 51.706  | 53.160m |
| 22)                         | Mirex           | 8.126 | 7.034 | 61718193 | 84975383 | 51.542  | 47.921  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091024\  
Data File : PL091611.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Sep 2024 12:57  
Operator : AR\AJ  
Sample : PB163229BS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB163229BS

## Manual Integrations

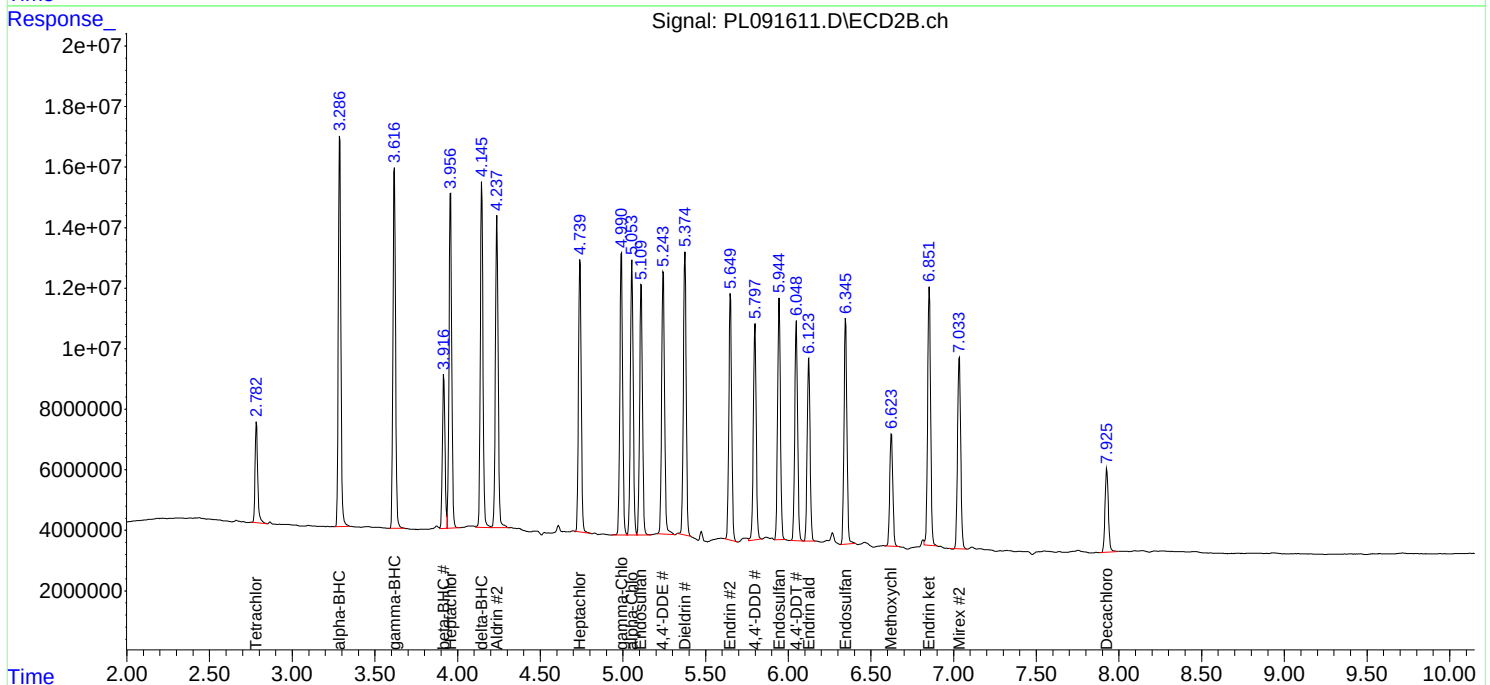
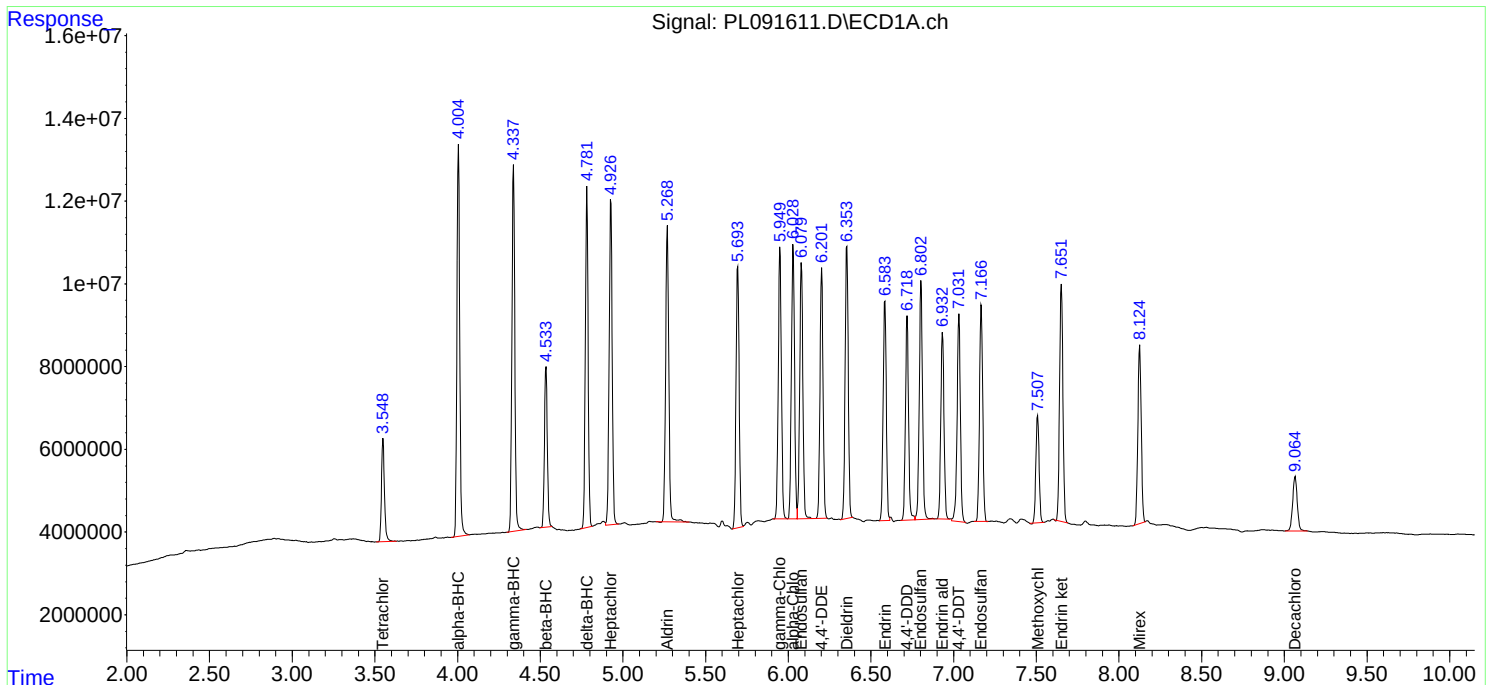
## APPROVED

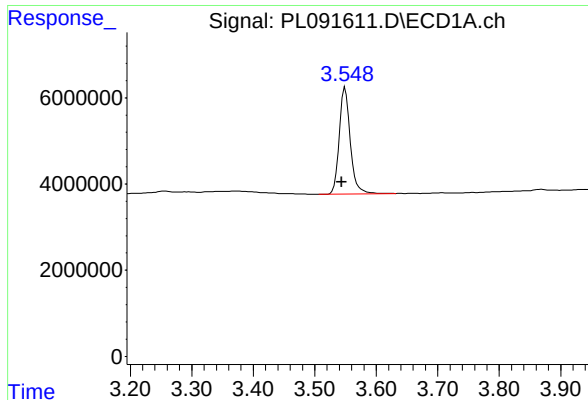
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 11 05:32:27 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





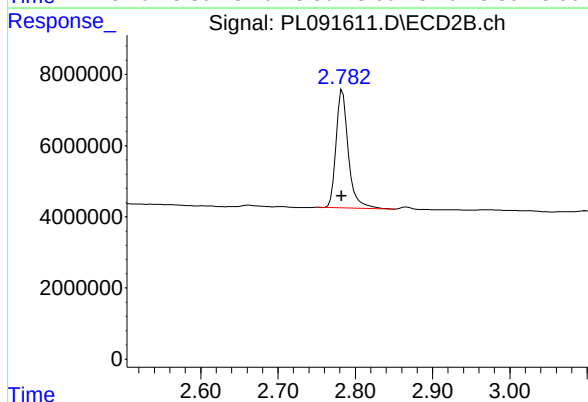
## #1 Tetrachloro-m-xylene

R.T.: 3.549 min  
Delta R.T.: 0.005 min  
Response: 30760106  
Conc: 19.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

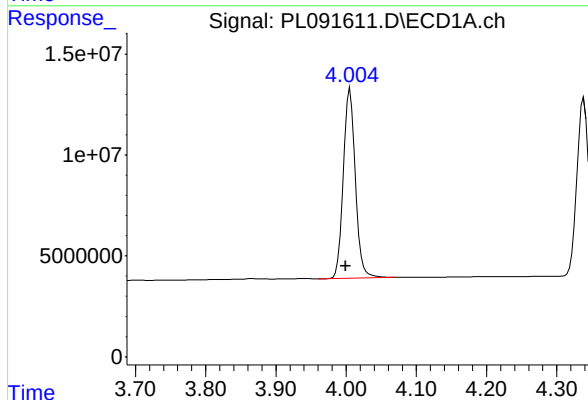
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



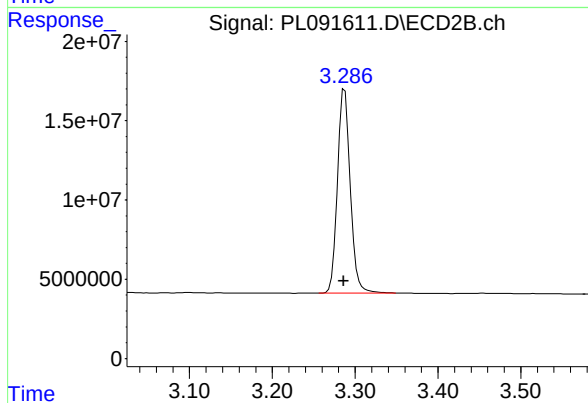
## #1 Tetrachloro-m-xylene

R.T.: 2.784 min  
Delta R.T.: 0.000 min  
Response: 36840957  
Conc: 19.70 ng/ml



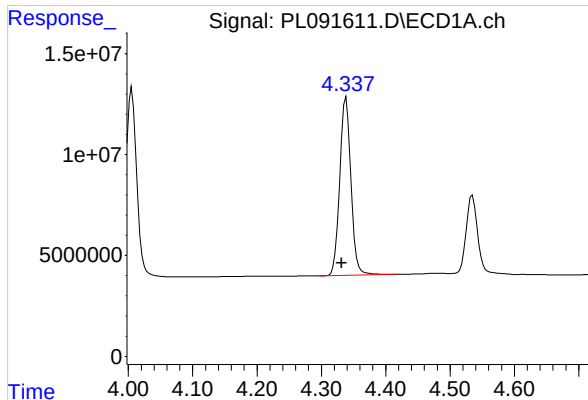
## #2 alpha-BHC

R.T.: 4.006 min  
Delta R.T.: 0.006 min  
Response: 111620772  
Conc: 51.68 ng/ml



## #2 alpha-BHC

R.T.: 3.287 min  
Delta R.T.: 0.001 min  
Response: 138368220  
Conc: 52.03 ng/ml



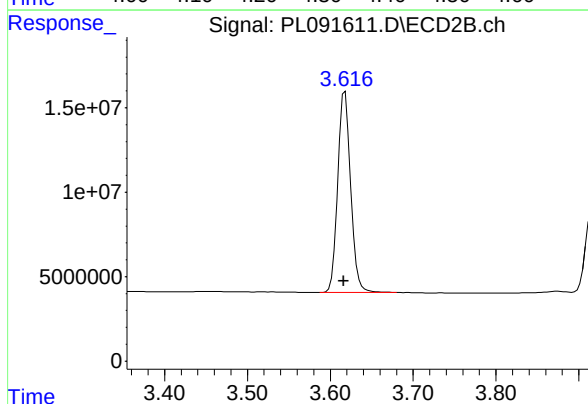
#3 gamma-BHC (Lindane)

R.T.: 4.338 min  
Delta R.T.: 0.007 min  
Response: 106819356  
Conc: 51.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

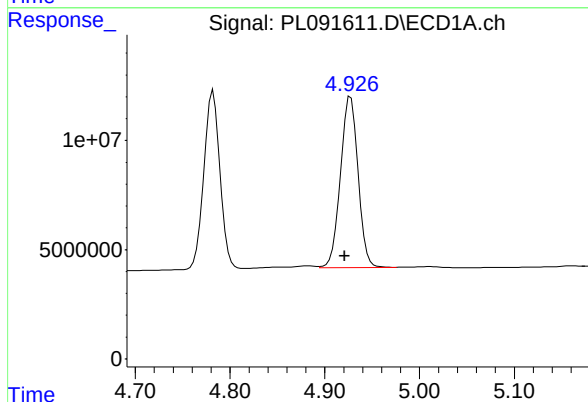
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



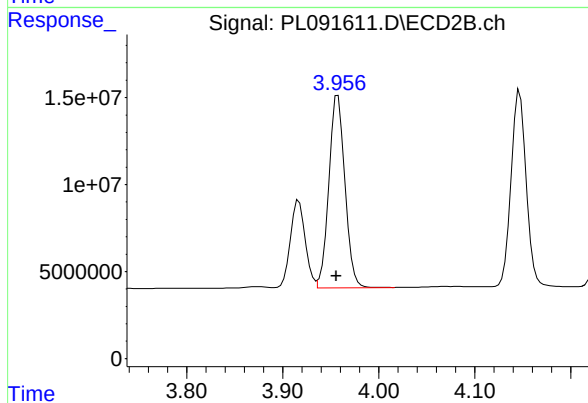
#3 gamma-BHC (Lindane)

R.T.: 3.618 min  
Delta R.T.: 0.002 min  
Response: 128958569  
Conc: 52.43 ng/ml



#4 Heptachlor

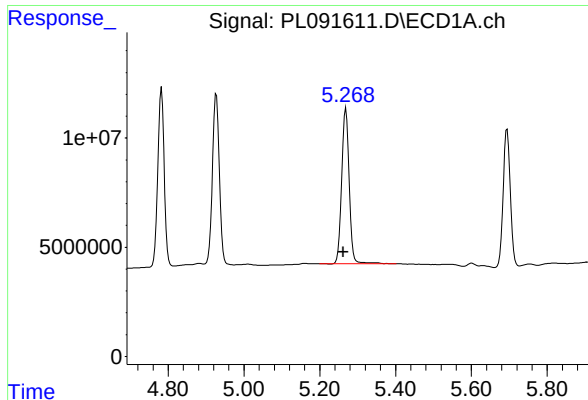
R.T.: 4.927 min  
Delta R.T.: 0.006 min  
Response: 100964193  
Conc: 53.90 ng/ml



#4 Heptachlor

R.T.: 3.958 min  
Delta R.T.: 0.002 min  
Response: 127017899  
Conc: 52.74 ng/ml





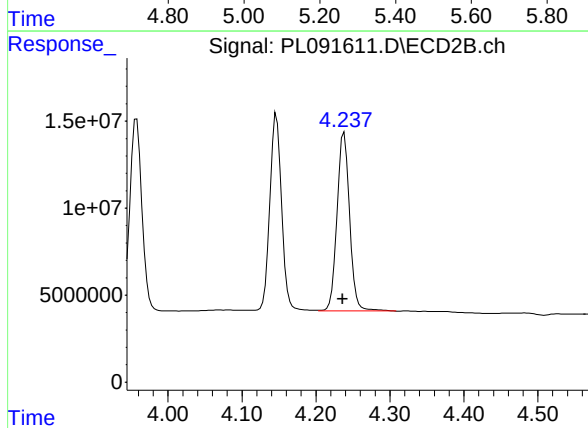
#5 Aldrin

R.T.: 5.269 min  
Delta R.T.: 0.006 min  
Response: 96720716  
Conc: 51.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

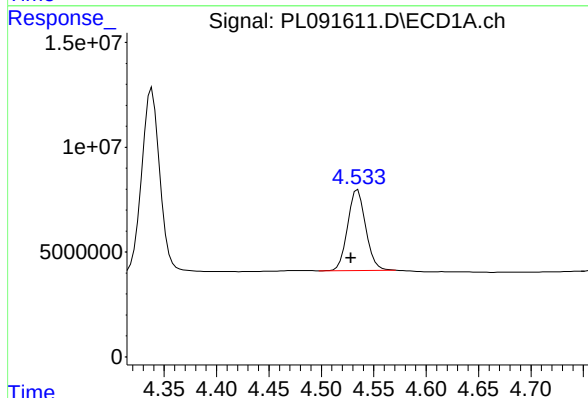
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



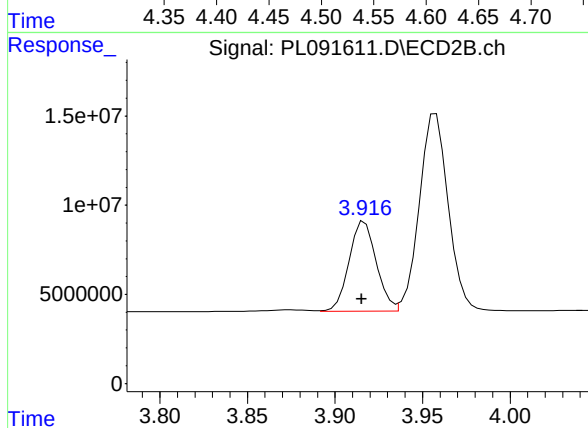
#5 Aldrin

R.T.: 4.238 min  
Delta R.T.: 0.002 min  
Response: 121441144  
Conc: 53.23 ng/ml



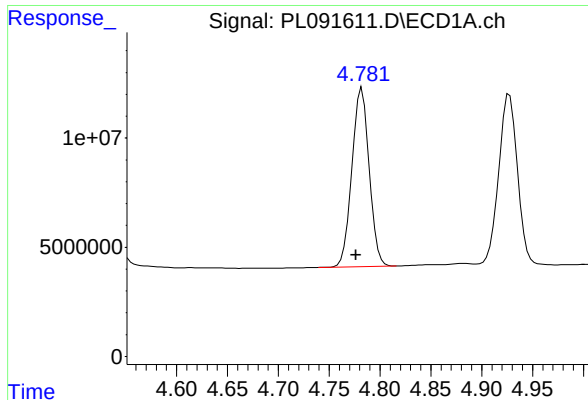
#6 beta-BHC

R.T.: 4.535 min  
Delta R.T.: 0.006 min  
Response: 46486304  
Conc: 51.08 ng/ml



#6 beta-BHC

R.T.: 3.917 min  
Delta R.T.: 0.002 min  
Response: 54428120  
Conc: 49.82 ng/ml



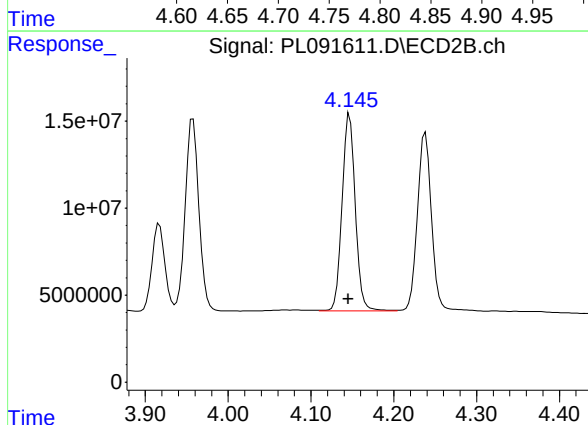
#7 delta-BHC

R.T.: 4.782 min  
Delta R.T.: 0.006 min  
Response: 96672794  
Conc: 50.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

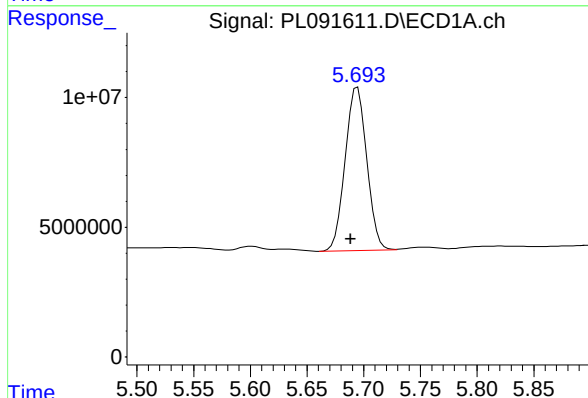
Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



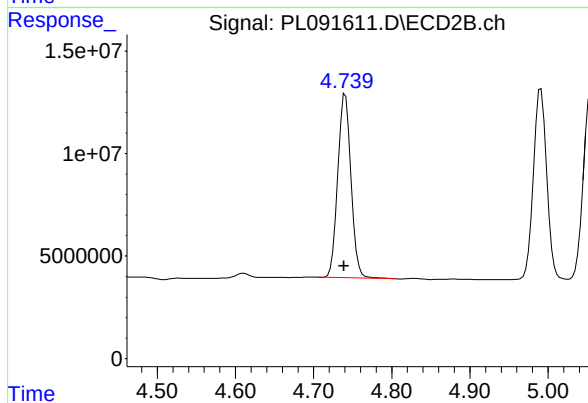
#7 delta-BHC

R.T.: 4.147 min  
Delta R.T.: 0.002 min  
Response: 125643802  
Conc: 54.61 ng/ml



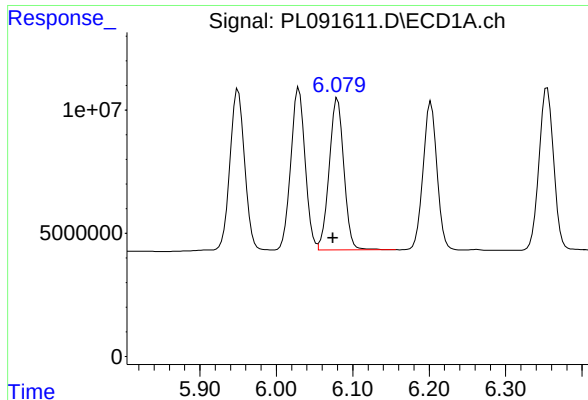
#8 Heptachlor epoxide

R.T.: 5.694 min  
Delta R.T.: 0.006 min  
Response: 83437707  
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.741 min  
Delta R.T.: 0.001 min  
Response: 105170644  
Conc: 49.90 ng/ml



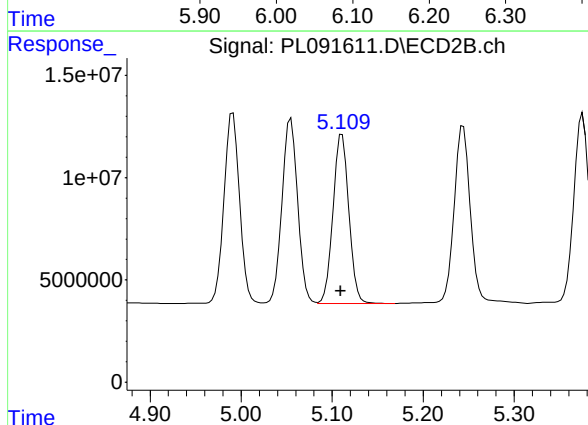
#9 Endosulfan I

R.T.: 6.080 min  
Delta R.T.: 0.006 min  
Response: 81821521  
Conc: 52.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

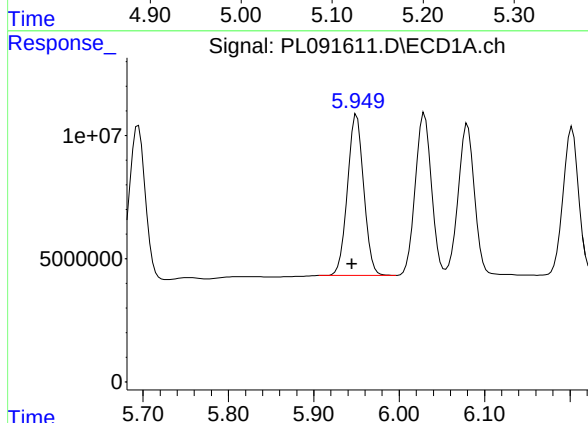
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



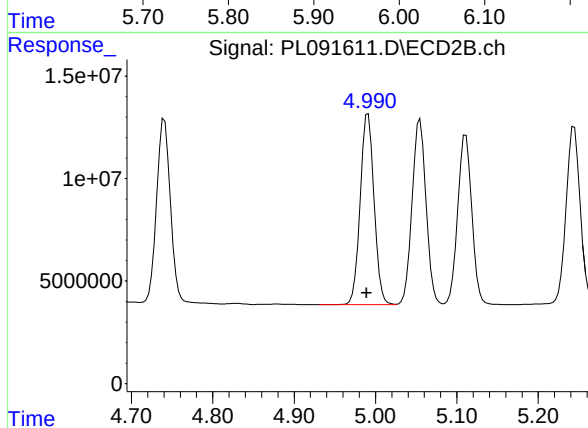
#9 Endosulfan I

R.T.: 5.111 min  
Delta R.T.: 0.002 min  
Response: 99900013  
Conc: 51.78 ng/ml



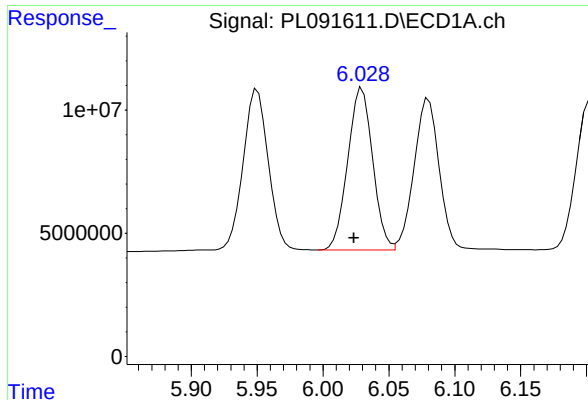
#10 gamma-Chlordane

R.T.: 5.950 min  
Delta R.T.: 0.005 min  
Response: 86608068  
Conc: 51.84 ng/ml



#10 gamma-Chlordane

R.T.: 4.991 min  
Delta R.T.: 0.002 min  
Response: 110670352  
Conc: 50.18 ng/ml



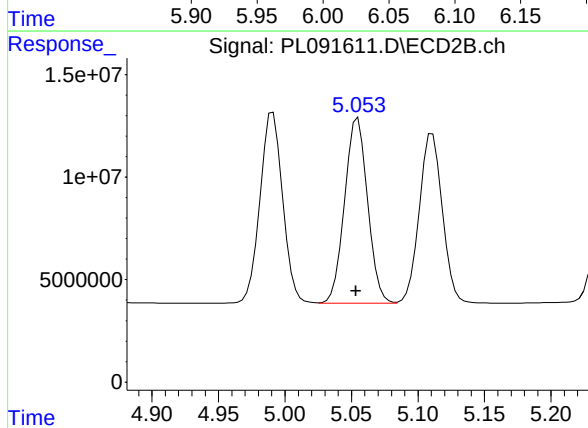
#11 alpha-Chlordane

R.T.: 6.030 min  
Delta R.T.: 0.006 min  
Response: 86468456  
Conc: 53.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

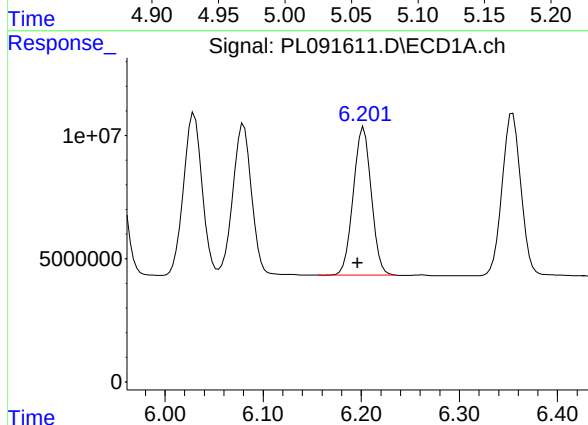
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



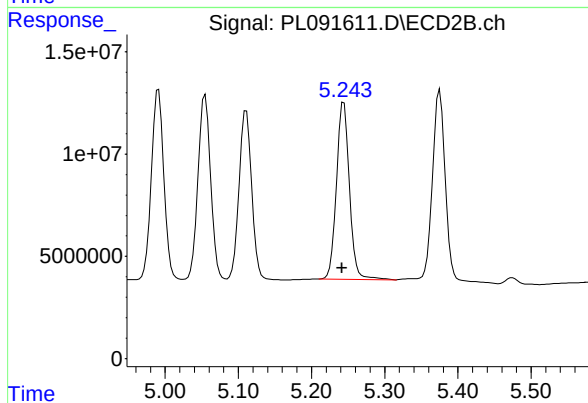
#11 alpha-Chlordane

R.T.: 5.055 min  
Delta R.T.: 0.002 min  
Response: 108796811  
Conc: 52.58 ng/ml



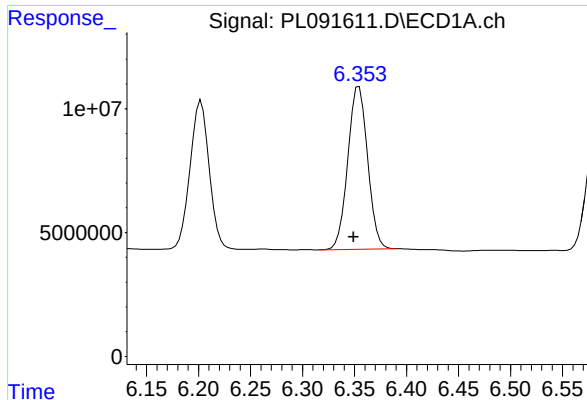
#12 4,4'-DDE

R.T.: 6.203 min  
Delta R.T.: 0.006 min  
Response: 76542545  
Conc: 52.47 ng/ml



#12 4,4'-DDE

R.T.: 5.244 min  
Delta R.T.: 0.002 min  
Response: 106772310  
Conc: 56.29 ng/ml



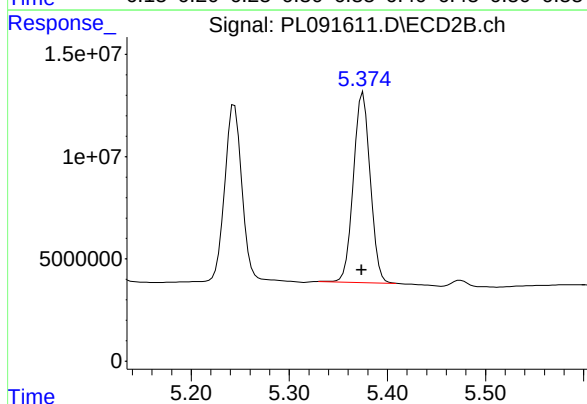
#13 Dieldrin

R.T.: 6.353 min  
Delta R.T.: 0.004 min  
Response: 86969179  
Conc: 53.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

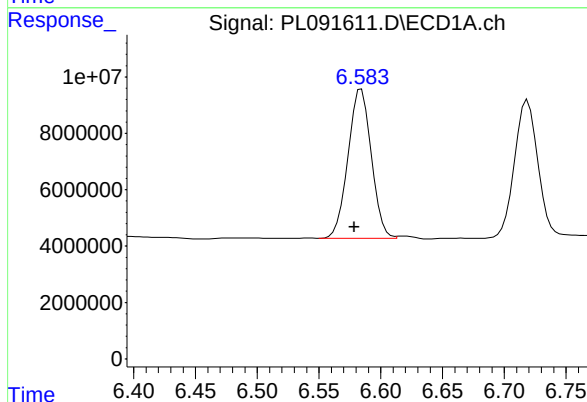
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



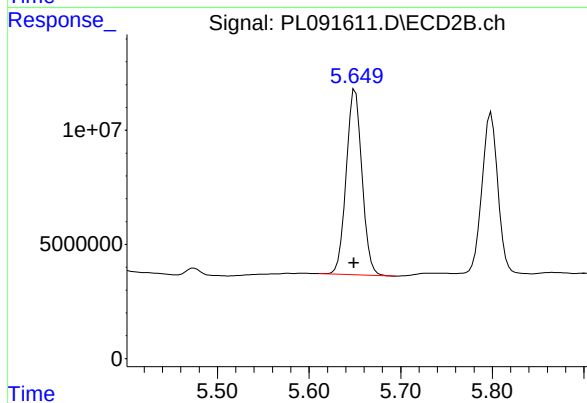
#13 Dieldrin

R.T.: 5.375 min  
Delta R.T.: 0.002 min  
Response: 110475854  
Conc: 53.75 ng/ml



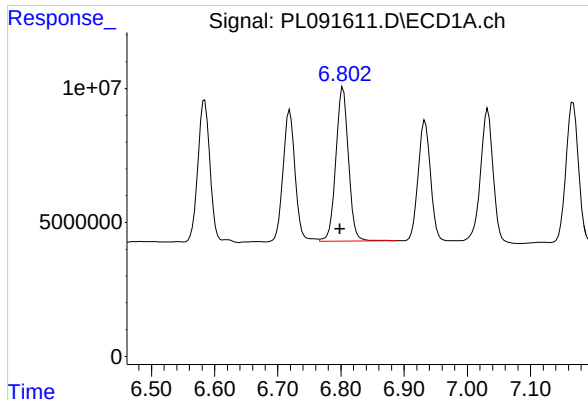
#14 Endrin

R.T.: 6.583 min  
Delta R.T.: 0.004 min  
Response: 69675111  
Conc: 52.40 ng/ml m



#14 Endrin

R.T.: 5.650 min  
Delta R.T.: 0.002 min  
Response: 97275373  
Conc: 51.54 ng/ml



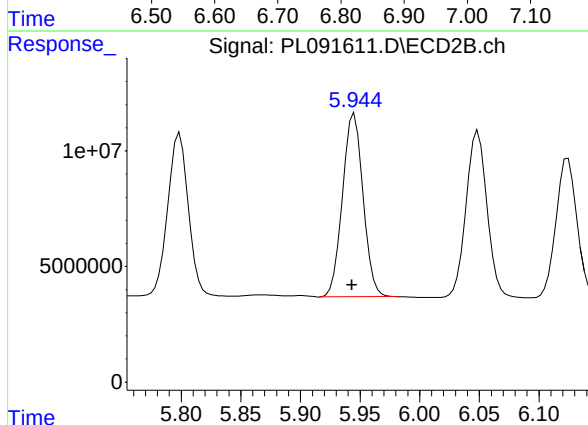
## #15 Endosulfan II

R.T.: 6.803 min  
Delta R.T.: 0.005 min  
Response: 79593972  
Conc: 51.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

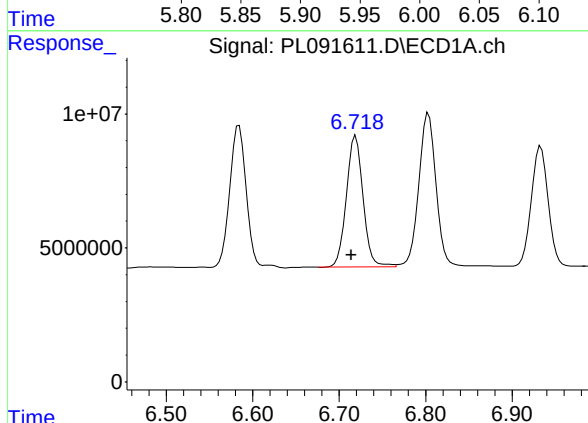
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



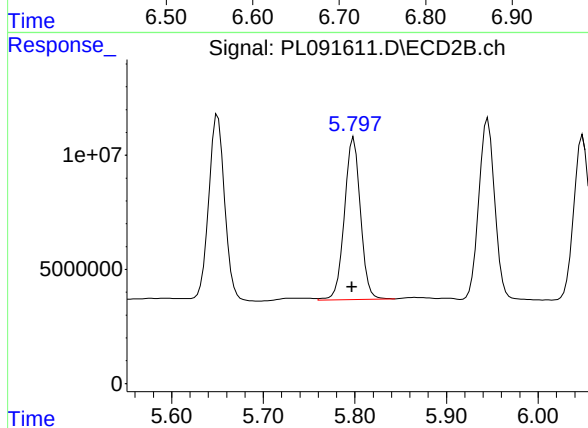
## #15 Endosulfan II

R.T.: 5.945 min  
Delta R.T.: 0.002 min  
Response: 94954743  
Conc: 53.68 ng/ml



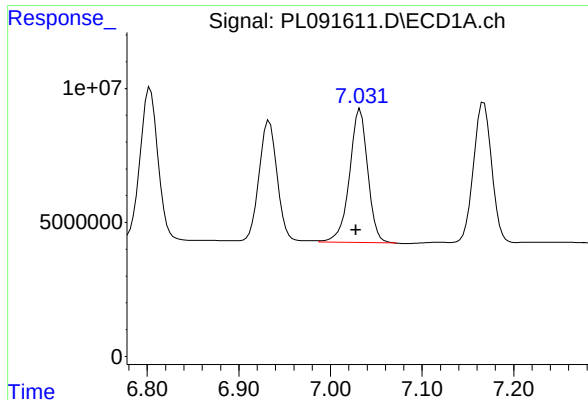
## #16 4,4'-DDD

R.T.: 6.719 min  
Delta R.T.: 0.005 min  
Response: 65580960  
Conc: 51.74 ng/ml



## #16 4,4'-DDD

R.T.: 5.799 min  
Delta R.T.: 0.002 min  
Response: 86489123  
Conc: 51.61 ng/ml



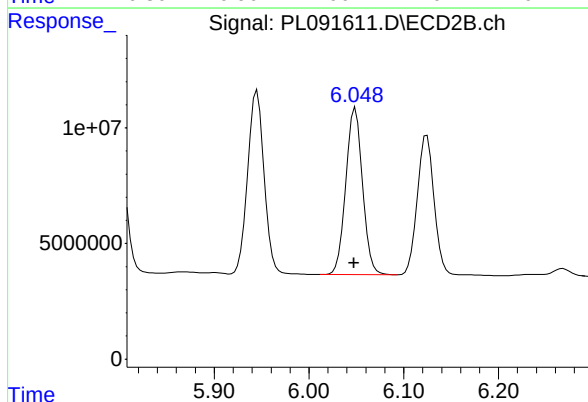
#17 4,4'-DDT

R.T.: 7.032 min  
Delta R.T.: 0.005 min  
Response: 69037023  
Conc: 52.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

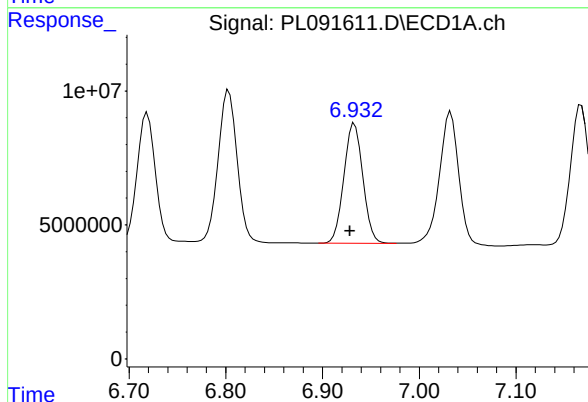
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



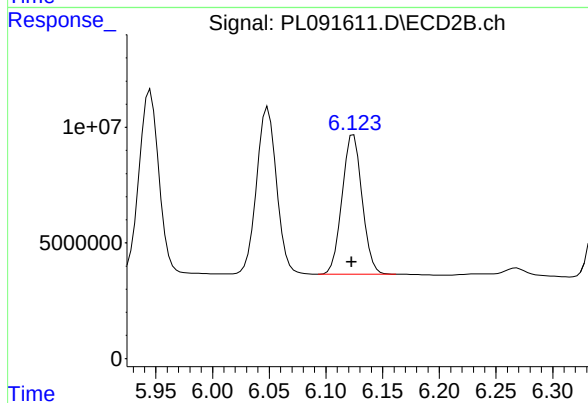
#17 4,4'-DDT

R.T.: 6.049 min  
Delta R.T.: 0.001 min  
Response: 88462927  
Conc: 55.06 ng/ml



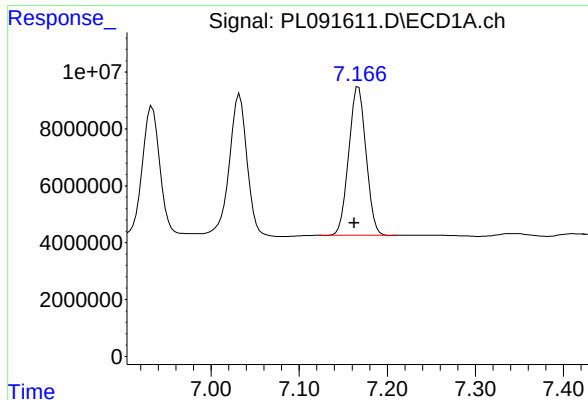
#18 Endrin aldehyde

R.T.: 6.932 min  
Delta R.T.: 0.003 min  
Response: 60645306  
Conc: 51.04 ng/ml m



#18 Endrin aldehyde

R.T.: 6.124 min  
Delta R.T.: 0.002 min  
Response: 73992843  
Conc: 54.13 ng/ml



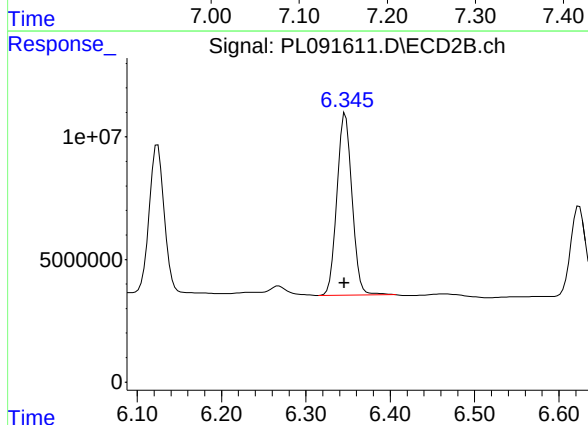
## #19 Endosulfan Sulfate

R.T.: 7.167 min  
Delta R.T.: 0.005 min  
Response: 71299941  
Conc: 51.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

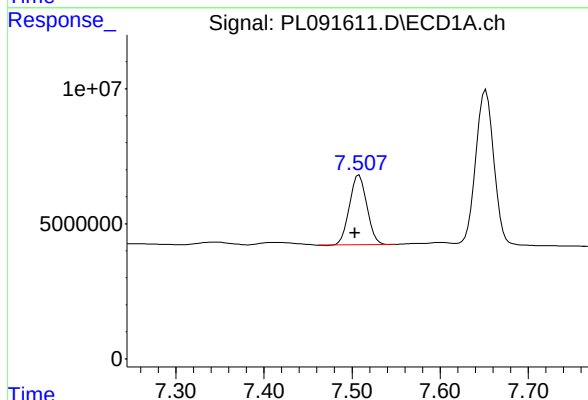
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



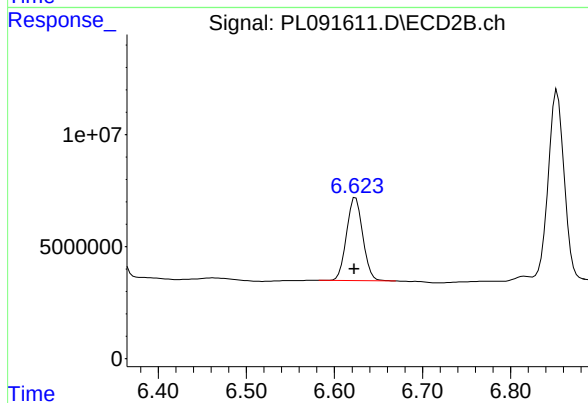
## #19 Endosulfan Sulfate

R.T.: 6.347 min  
Delta R.T.: 0.001 min  
Response: 92249985  
Conc: 53.76 ng/ml



## #20 Methoxychlor

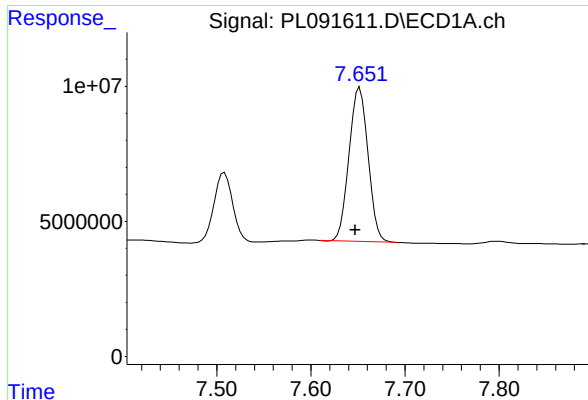
R.T.: 7.508 min  
Delta R.T.: 0.005 min  
Response: 35497850  
Conc: 52.48 ng/ml



## #20 Methoxychlor

R.T.: 6.624 min  
Delta R.T.: 0.001 min  
Response: 47513888  
Conc: 53.64 ng/ml





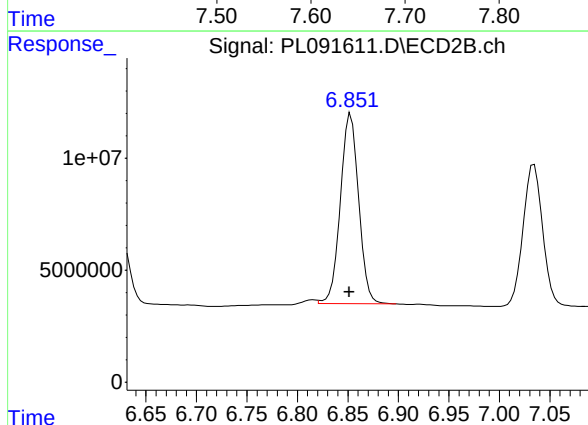
#21 Endrin ketone

R.T.: 7.652 min  
Delta R.T.: 0.005 min  
Response: 79954124  
Conc: 51.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

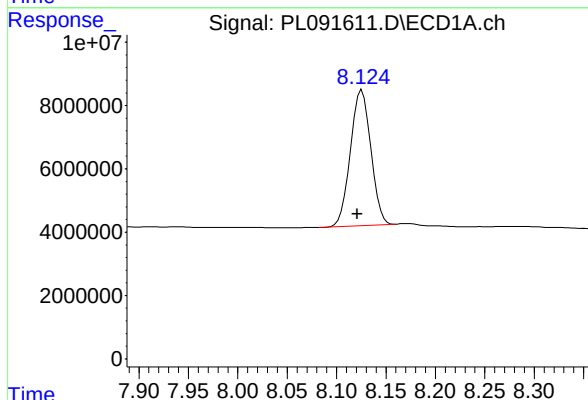
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



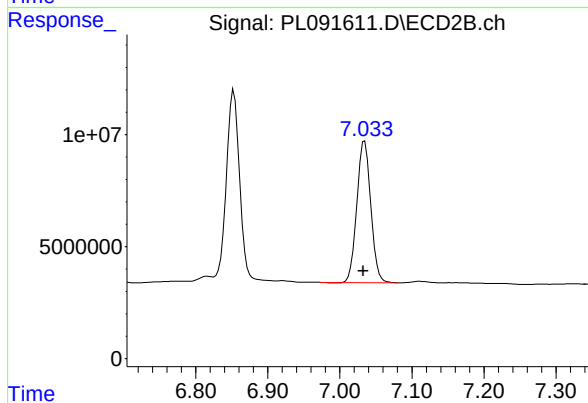
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 106927057  
Conc: 53.16 ng/ml m



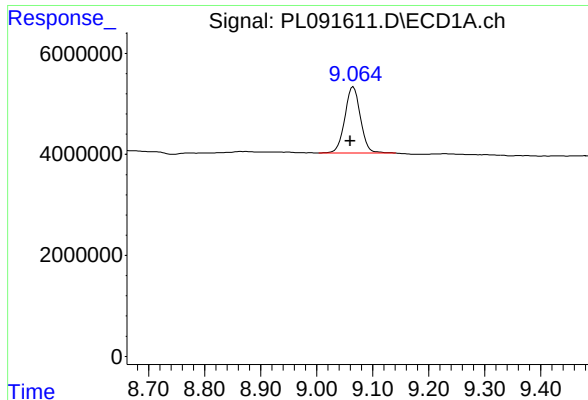
#22 Mirex

R.T.: 8.126 min  
Delta R.T.: 0.005 min  
Response: 61718193  
Conc: 51.54 ng/ml



#22 Mirex

R.T.: 7.034 min  
Delta R.T.: 0.002 min  
Response: 84975383  
Conc: 47.92 ng/ml



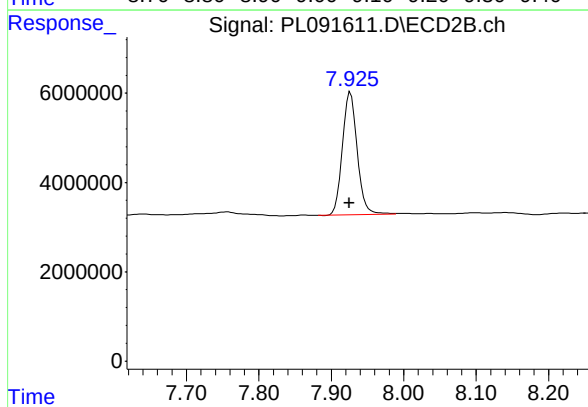
#28 Decachlorobiphenyl

R.T.: 9.065 min  
Delta R.T.: 0.005 min  
Response: 25448201  
Conc: 20.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/11/2024  
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.926 min  
Delta R.T.: 0.002 min  
Response: 39027000  
Conc: 21.14 ng/ml

## Report of Analysis

|                    |                           |        |      |                    |                  |    |           |
|--------------------|---------------------------|--------|------|--------------------|------------------|----|-----------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected:    |                  |    |           |
| Project:           | NJ Waste Water PT         |        |      | Date Received:     |                  |    |           |
| Client Sample ID:  | PB163229BSD               |        |      | SDG No.:           | P3845            |    |           |
| Lab Sample ID:     | PB163229BSD               |        |      | Matrix:            | WATER            |    |           |
| Analytical Method: | SW8081                    |        |      | % Solid:           | 0                |    | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: | mL   | Final Vol:         | 10000            | uL |           |
| Soil Aliquot Vol:  |                           |        | uL   | Test:              | PESTICIDE Group1 |    |           |
| Extraction Type:   |                           |        |      | Injection Volume : |                  |    |           |
| GPC Factor :       | 1.0                       |        | PH : |                    |                  |    |           |
| Prep Method :      | 3510C                     |        |      |                    |                  |    |           |

| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|----------------|----------------|---------------|
| PL091654.D        | 1         | 09/09/24 10:10 | 09/11/24 13:13 | PB163229      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.47  |           | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.46  |           | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.47  |           | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.47  |           | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.47  |           | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.46  |           | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.46  |           | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.48  |           | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.48  |           | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.48  |           | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.44  |           | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.48  |           | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.50  |           | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.50  |           | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.45  |           | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.46  |           | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.51  |           | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.50  |           | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.49  |           | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.47  |           | 0.0060   | 0.050      | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.5  |           | 43 - 140 | 108%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 17.8  |           | 77 - 126 | 89%        | SPK: 20 |

## Report of Analysis

|                    |                           |           |                    |                  |           |
|--------------------|---------------------------|-----------|--------------------|------------------|-----------|
| Client:            | Chemtech Consulting Group |           | Date Collected:    |                  |           |
| Project:           | NJ Waste Water PT         |           | Date Received:     |                  |           |
| Client Sample ID:  | PB163229BSD               |           | SDG No.:           | P3845            |           |
| Lab Sample ID:     | PB163229BSD               |           | Matrix:            | WATER            |           |
| Analytical Method: | SW8081                    |           | % Solid:           | 0                | Decanted: |
| Sample Wt/Vol:     | 1000                      | Units: mL | Final Vol:         | 10000            | uL        |
| Soil Aliquot Vol:  |                           | uL        | Test:              | PESTICIDE Group1 |           |
| Extraction Type:   |                           |           | Injection Volume : |                  |           |
| GPC Factor :       | 1.0                       | PH :      |                    |                  |           |
| Prep Method :      | 3510C                     |           |                    |                  |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL091654.D        | 1         | 09/09/24 10:10 | 09/11/24 13:13 | PB163229      |

| 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\PL091124\  
 Data File : PL091654.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Sep 2024 13:13  
 Operator : AR\AJ  
 Sample : PB163229BSD  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB163229BSD

Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 09/12/2024  
 Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 12 04:43:17 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 19:26:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.552 | 2.784 | 27662677 | 32707793 | 17.748  | 17.488  |
| 28)                         | SA Decachlor... | 9.071 | 7.928 | 26138804 | 36897636 | 21.508  | 19.982  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.008 | 3.288 | 101.3E6  | 121.2E6  | 46.881  | 45.554  |
| 3)                          | MA gamma-BHC... | 4.341 | 3.618 | 95866661 | 111.9E6  | 46.634  | 45.497  |
| 4)                          | MA Heptachlor   | 4.930 | 3.958 | 88480545 | 108.1E6  | 47.239  | 44.902  |
| 5)                          | MB Aldrin       | 5.271 | 4.238 | 80067459 | 105.1E6  | 42.987  | 46.050  |
| 6)                          | B beta-BHC      | 4.538 | 3.917 | 41577073 | 47124489 | 45.688  | 43.136  |
| 7)                          | B delta-BHC     | 4.785 | 4.147 | 89388751 | 106.7E6  | 46.528  | 46.356  |
| 8)                          | B Heptachlo...  | 5.698 | 4.741 | 76159024 | 94044247 | 45.639  | 44.619  |
| 9)                          | A Endosulfan I  | 6.083 | 5.111 | 74456747 | 86492870 | 47.787  | 44.830  |
| 10)                         | B gamma-Chl...  | 5.954 | 4.991 | 79289512 | 100.3E6  | 47.457  | 45.465  |
| 11)                         | B alpha-Chl...  | 6.032 | 5.055 | 78791153 | 95593722 | 48.883  | 46.203  |
| 12)                         | B 4,4'-DDE      | 6.205 | 5.243 | 70189310 | 88797895 | 48.119  | 46.817m |
| 13)                         | MA Dieldrin     | 6.357 | 5.376 | 78218151 | 93295825 | 47.935m | 45.390  |
| 14)                         | MA Endrin       | 6.586 | 5.652 | 58478123 | 79313886 | 43.979m | 42.027  |
| 15)                         | B Endosulfa...  | 6.805 | 5.946 | 72896934 | 84959680 | 47.030m | 48.029  |
| 16)                         | A 4,4'-DDD      | 6.723 | 5.799 | 62804894 | 81304611 | 49.548  | 48.518  |
| 17)                         | MA 4,4'-DDT     | 7.036 | 6.050 | 58822254 | 69993515 | 44.843  | 43.561  |
| 18)                         | B Endrin al...  | 6.937 | 6.125 | 59572752 | 67046815 | 50.140  | 49.045  |
| 19)                         | B Endosulfa...  | 7.171 | 6.349 | 66156816 | 85140309 | 47.377  | 49.612  |
| 20)                         | A Methoxychlor  | 7.512 | 6.626 | 31144397 | 37592242 | 46.040  | 42.441  |
| 21)                         | B Endrin ke...  | 7.654 | 6.853 | 78283421 | 103.3E6  | 50.626m | 51.371m |
| 22)                         | Mirex           | 8.130 | 7.035 | 60693215 | 81771636 | 50.686  | 46.114  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091124\  
Data File : PL091654.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Sep 2024 13:13  
Operator : AR\AJ  
Sample : PB163229BSD  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB163229BSD

## Manual Integrations

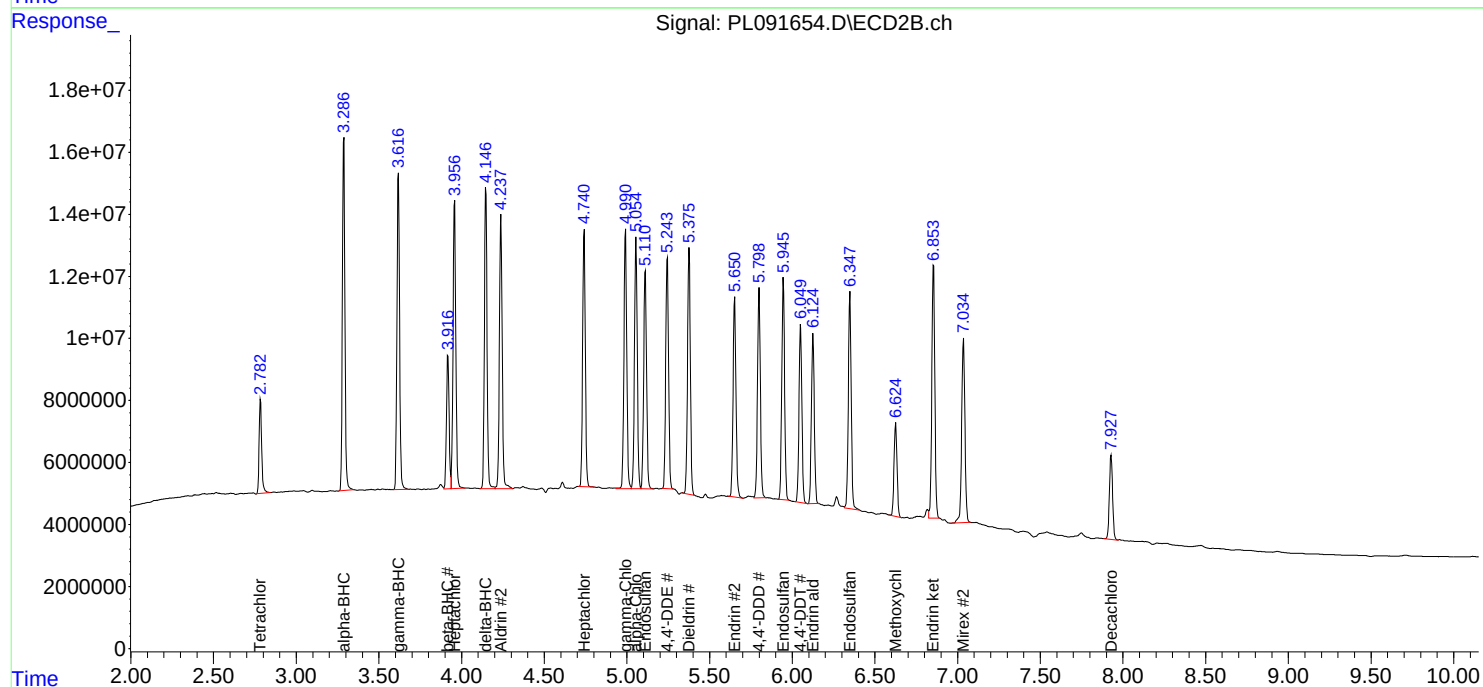
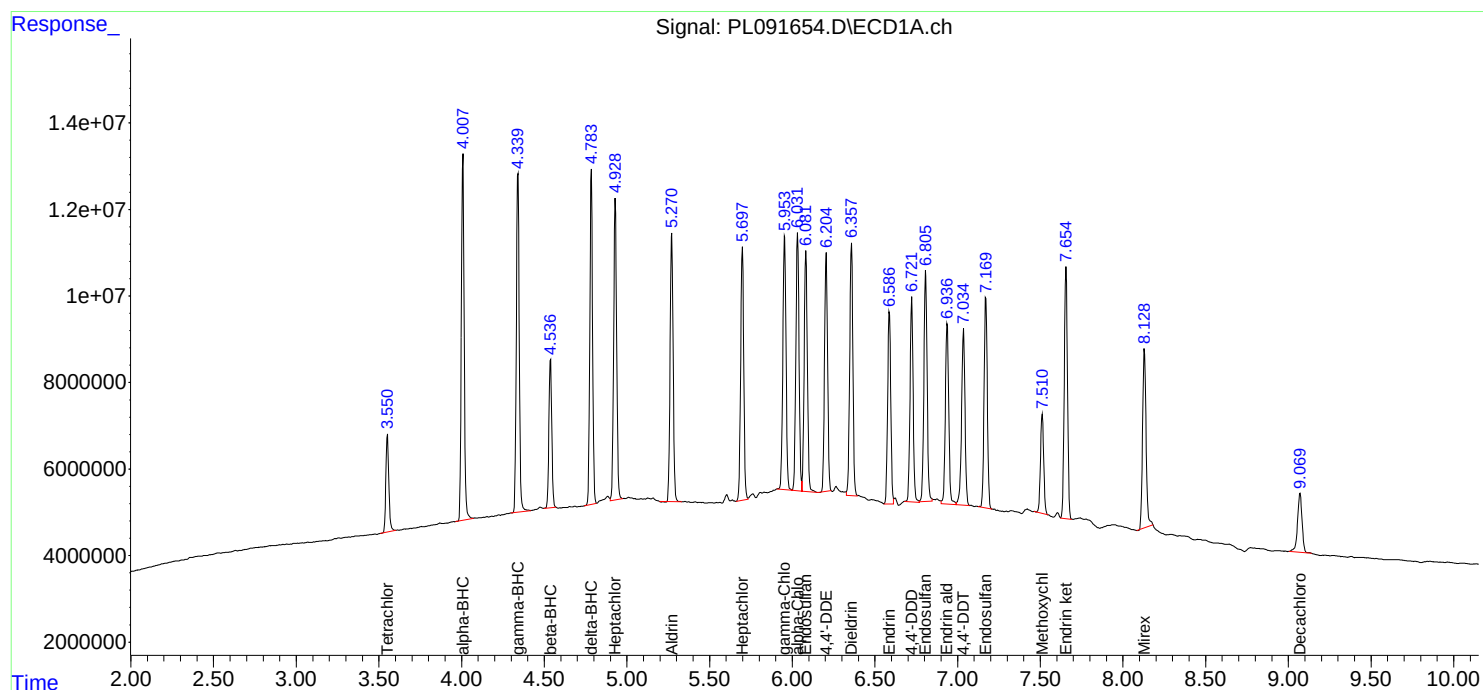
## APPROVED

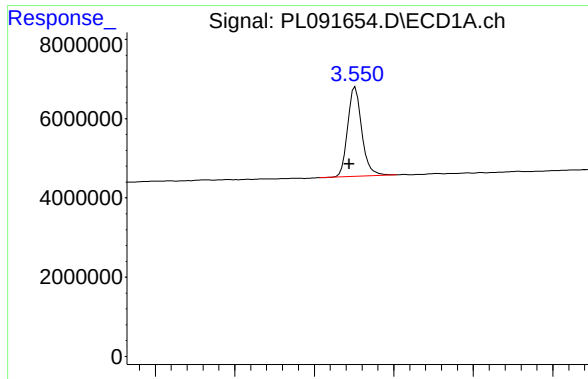
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 12 04:43:17 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL090924.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 09 19:26:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





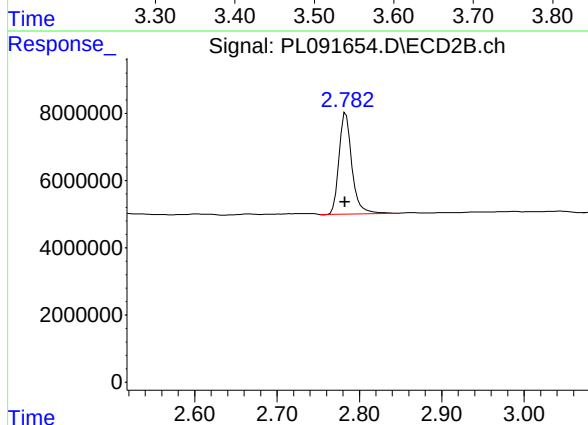
## #1 Tetrachloro-m-xylene

R.T.: 3.552 min  
Delta R.T.: 0.008 min  
Response: 27662677  
Conc: 17.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

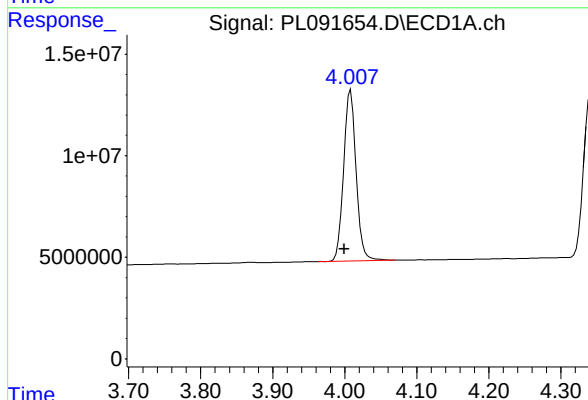
**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



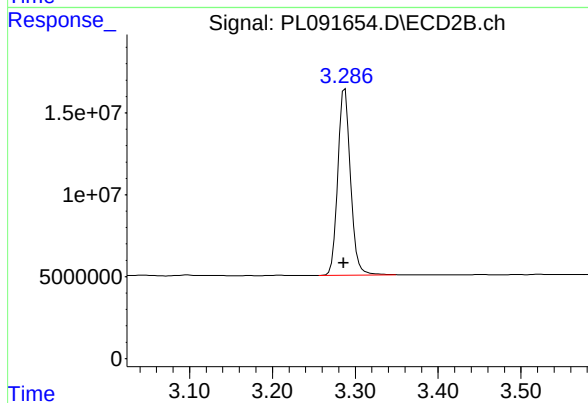
## #1 Tetrachloro-m-xylene

R.T.: 2.784 min  
Delta R.T.: 0.000 min  
Response: 32707793  
Conc: 17.49 ng/ml



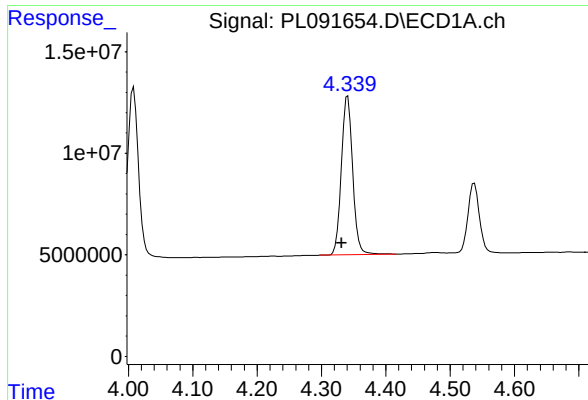
## #2 alpha-BHC

R.T.: 4.008 min  
Delta R.T.: 0.009 min  
Response: 101258526  
Conc: 46.88 ng/ml



## #2 alpha-BHC

R.T.: 3.288 min  
Delta R.T.: 0.002 min  
Response: 121153258  
Conc: 45.55 ng/ml



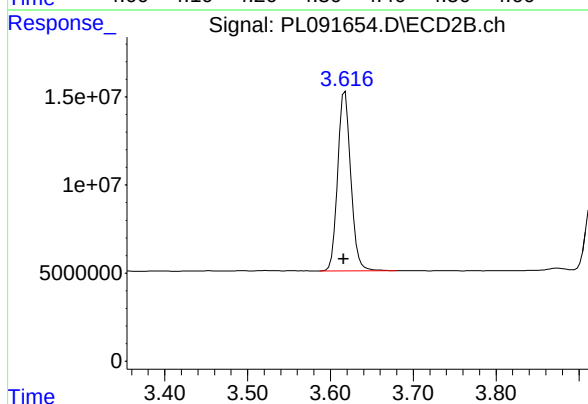
#3 gamma-BHC (Lindane)

R.T.: 4.341 min  
Delta R.T.: 0.009 min  
Response: 95866661  
Conc: 46.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

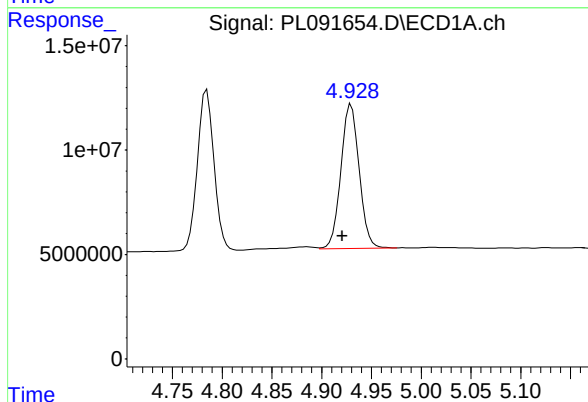
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



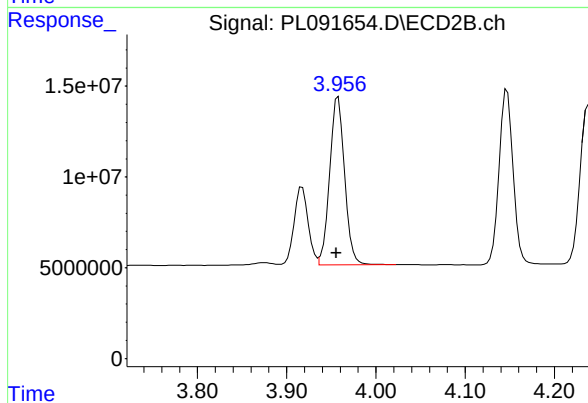
#3 gamma-BHC (Lindane)

R.T.: 3.618 min  
Delta R.T.: 0.002 min  
Response: 111898297  
Conc: 45.50 ng/ml



#4 Heptachlor

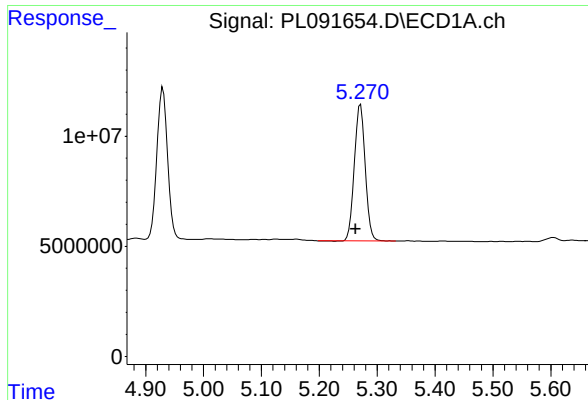
R.T.: 4.930 min  
Delta R.T.: 0.009 min  
Response: 88480545  
Conc: 47.24 ng/ml



#4 Heptachlor

R.T.: 3.958 min  
Delta R.T.: 0.002 min  
Response: 108138163  
Conc: 44.90 ng/ml





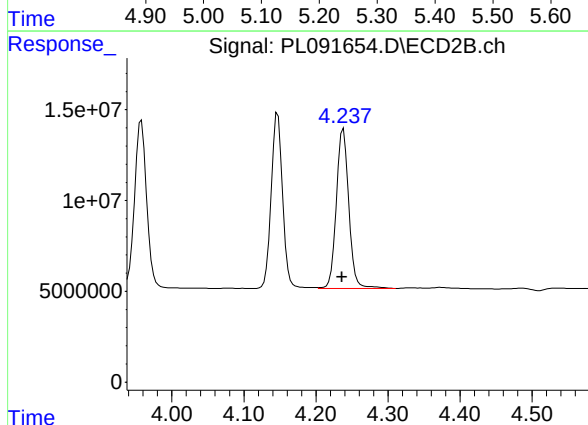
#5 Aldrin

R.T.: 5.271 min  
Delta R.T.: 0.009 min  
Response: 80067459  
Conc: 42.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

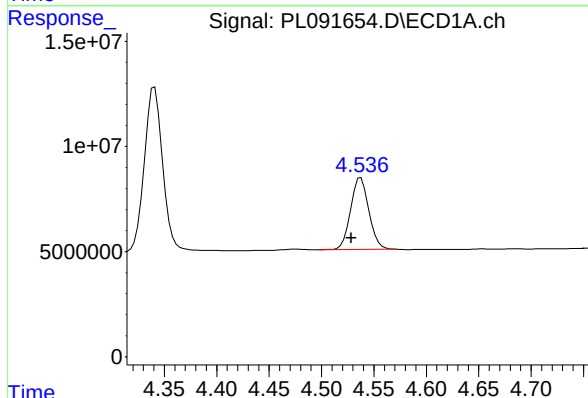
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



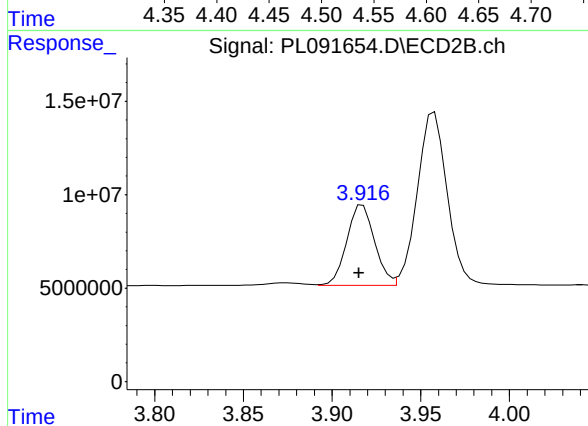
#5 Aldrin

R.T.: 4.238 min  
Delta R.T.: 0.002 min  
Response: 105063358  
Conc: 46.05 ng/ml



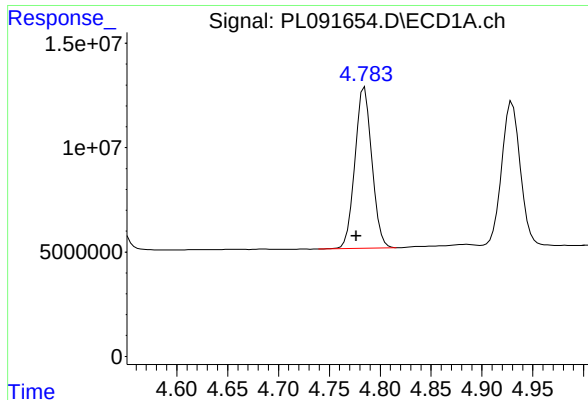
#6 beta-BHC

R.T.: 4.538 min  
Delta R.T.: 0.009 min  
Response: 41577073  
Conc: 45.69 ng/ml



#6 beta-BHC

R.T.: 3.917 min  
Delta R.T.: 0.002 min  
Response: 47124489  
Conc: 43.14 ng/ml



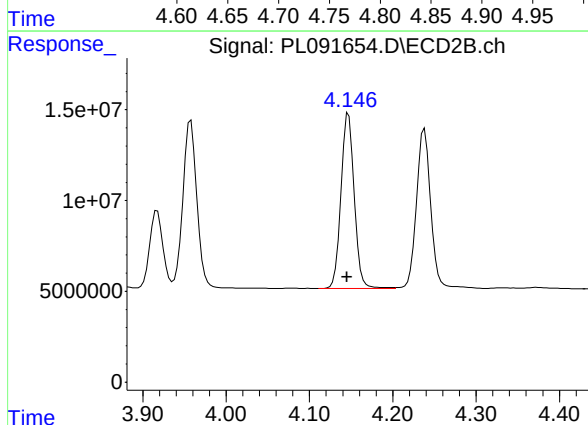
#7 delta-BHC

R.T.: 4.785 min  
Delta R.T.: 0.008 min  
Response: 89388751  
Conc: 46.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

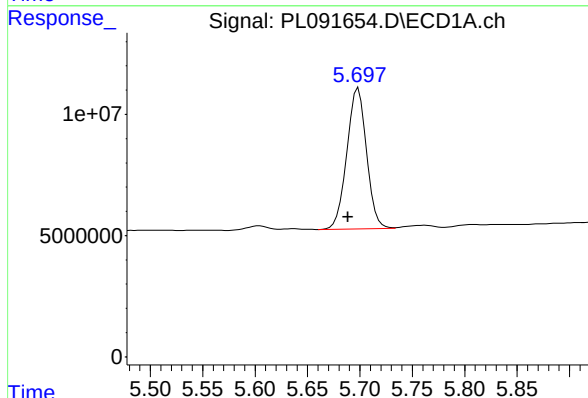
Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



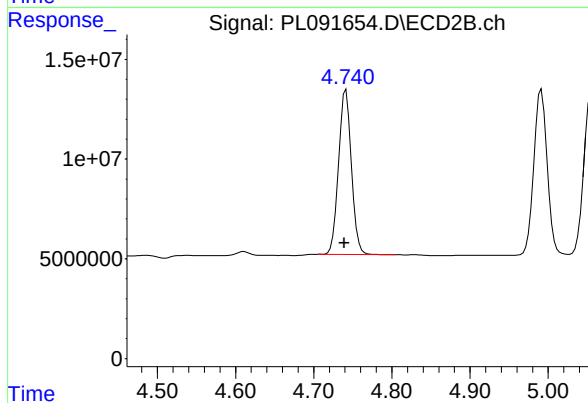
#7 delta-BHC

R.T.: 4.147 min  
Delta R.T.: 0.002 min  
Response: 106653788  
Conc: 46.36 ng/ml



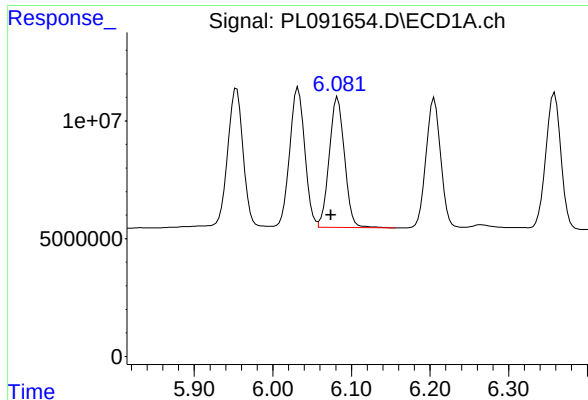
#8 Heptachlor epoxide

R.T.: 5.698 min  
Delta R.T.: 0.010 min  
Response: 76159024  
Conc: 45.64 ng/ml



#8 Heptachlor epoxide

R.T.: 4.741 min  
Delta R.T.: 0.002 min  
Response: 94044247  
Conc: 44.62 ng/ml



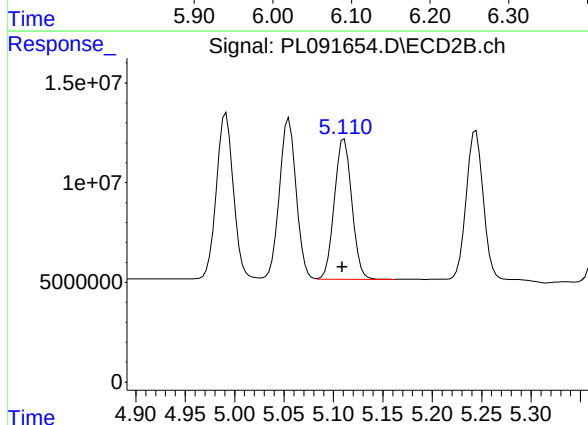
## #9 Endosulfan I

R.T.: 6.083 min  
Delta R.T.: 0.009 min  
Response: 74456747  
Conc: 47.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

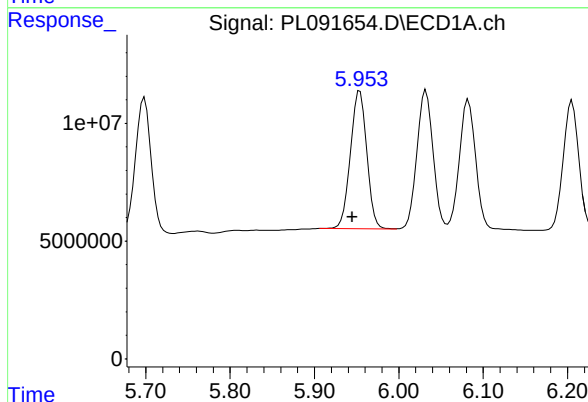
Manual Integrations  
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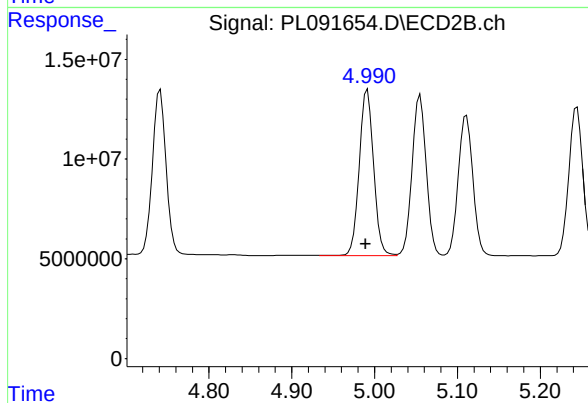
## #9 Endosulfan I

R.T.: 5.111 min  
Delta R.T.: 0.002 min  
Response: 86492870  
Conc: 44.83 ng/ml



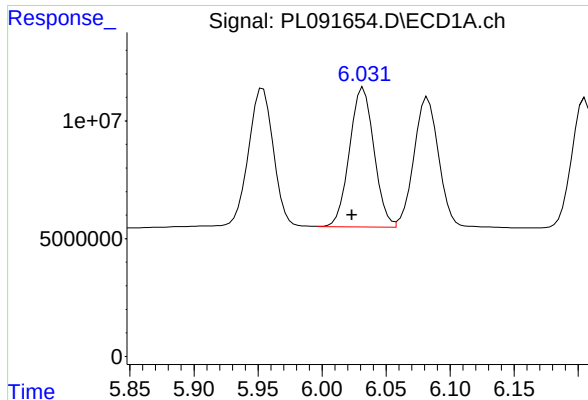
## #10 gamma-Chlordane

R.T.: 5.954 min  
Delta R.T.: 0.009 min  
Response: 79289512  
Conc: 47.46 ng/ml



## #10 gamma-Chlordane

R.T.: 4.991 min  
Delta R.T.: 0.002 min  
Response: 100280901  
Conc: 45.46 ng/ml



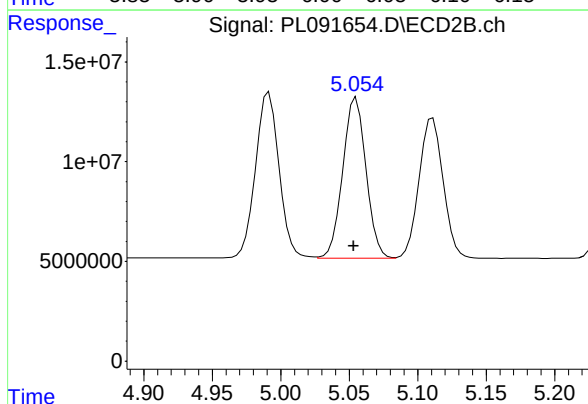
#11 alpha-Chlordane

R.T.: 6.032 min  
Delta R.T.: 0.009 min  
Response: 78791153  
Conc: 48.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

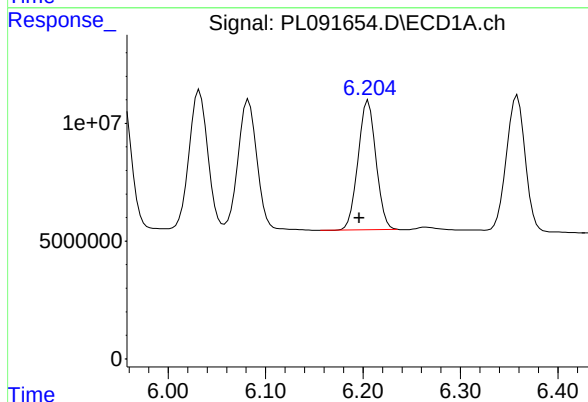
Manual Integrations  
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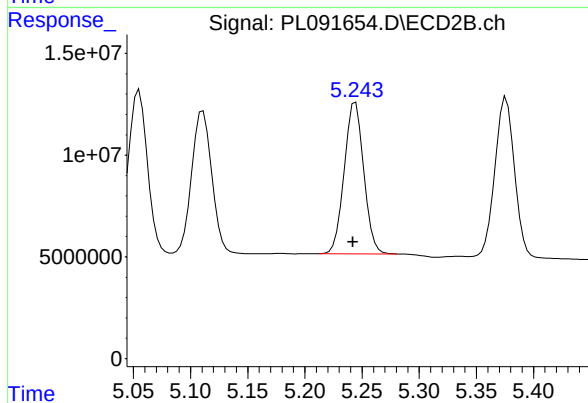
#11 alpha-Chlordane

R.T.: 5.055 min  
Delta R.T.: 0.002 min  
Response: 95593722  
Conc: 46.20 ng/ml



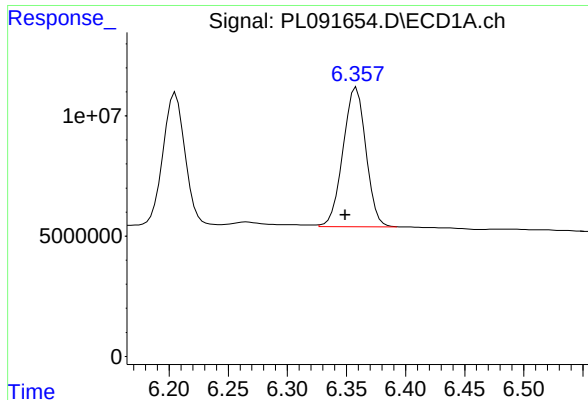
#12 4,4'-DDE

R.T.: 6.205 min  
Delta R.T.: 0.009 min  
Response: 70189310  
Conc: 48.12 ng/ml



#12 4,4'-DDE

R.T.: 5.243 min  
Delta R.T.: 0.000 min  
Response: 88797895  
Conc: 46.82 ng/ml m



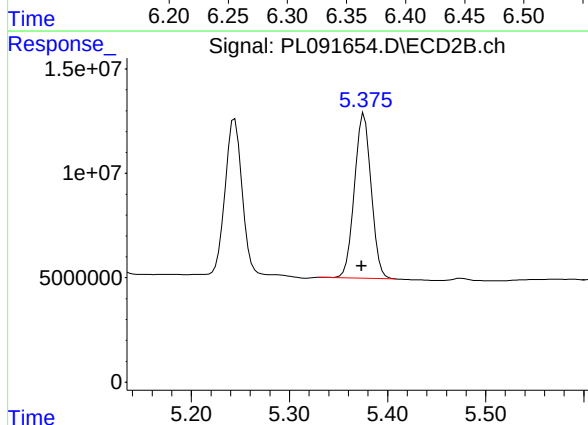
#13 Dieldrin

R.T.: 6.357 min  
Delta R.T.: 0.008 min  
Response: 78218151  
Conc: 47.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

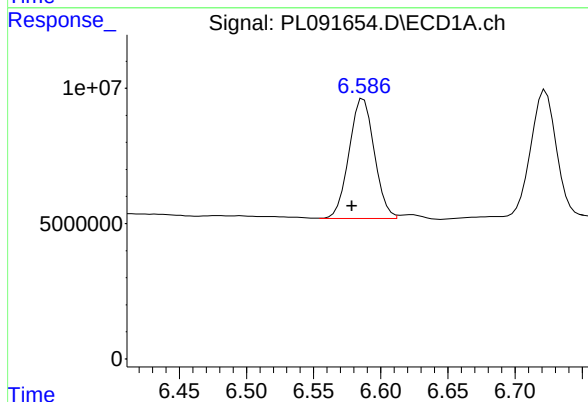
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



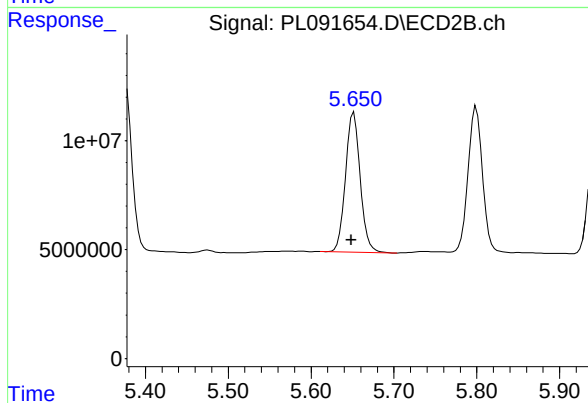
#13 Dieldrin

R.T.: 5.376 min  
Delta R.T.: 0.003 min  
Response: 93295825  
Conc: 45.39 ng/ml



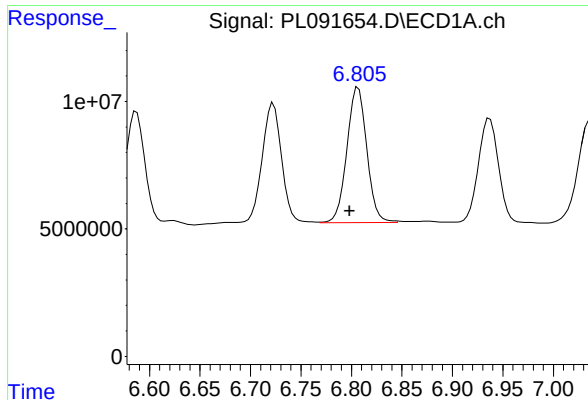
#14 Endrin

R.T.: 6.586 min  
Delta R.T.: 0.007 min  
Response: 58478123  
Conc: 43.98 ng/ml m



#14 Endrin

R.T.: 5.652 min  
Delta R.T.: 0.003 min  
Response: 79313886  
Conc: 42.03 ng/ml



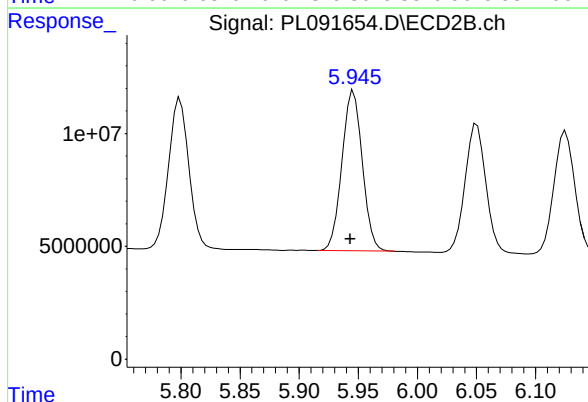
## #15 Endosulfan II

R.T.: 6.805 min  
Delta R.T.: 0.007 min  
Response: 72896934  
Conc: 47.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

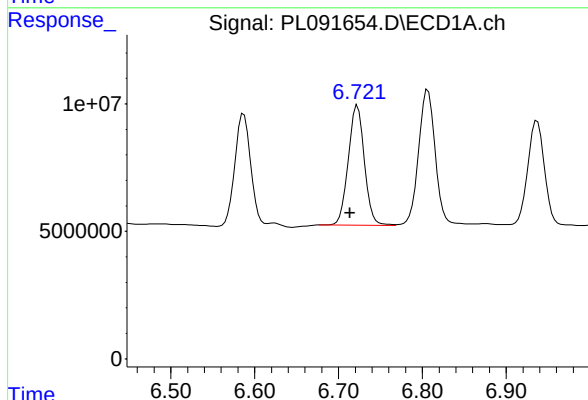
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



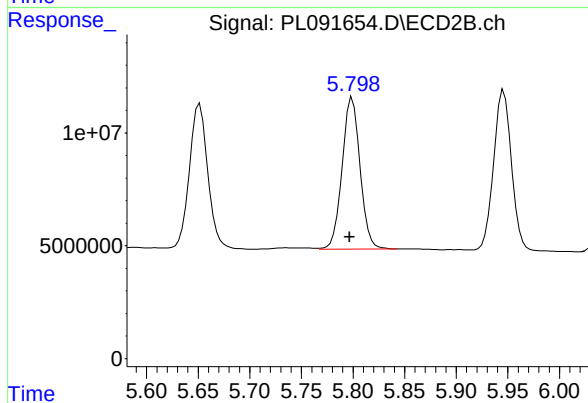
## #15 Endosulfan II

R.T.: 5.946 min  
Delta R.T.: 0.003 min  
Response: 84959680  
Conc: 48.03 ng/ml



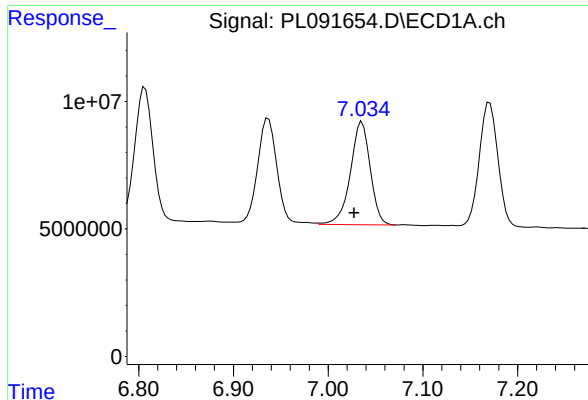
## #16 4,4'-DDD

R.T.: 6.723 min  
Delta R.T.: 0.009 min  
Response: 62804894  
Conc: 49.55 ng/ml



## #16 4,4'-DDD

R.T.: 5.799 min  
Delta R.T.: 0.003 min  
Response: 81304611  
Conc: 48.52 ng/ml



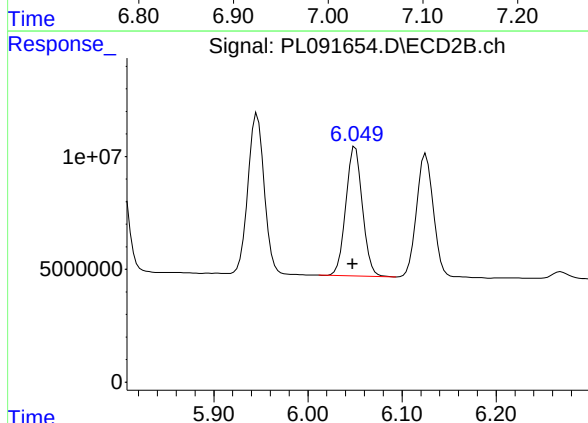
#17 4,4'-DDT

R.T.: 7.036 min  
Delta R.T.: 0.008 min  
Response: 58822254  
Conc: 44.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

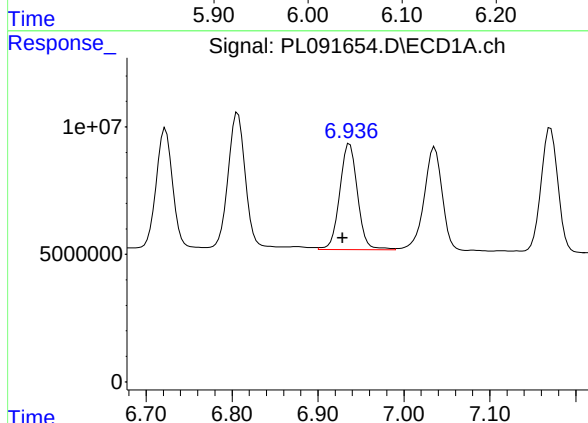
Manual Integrations  
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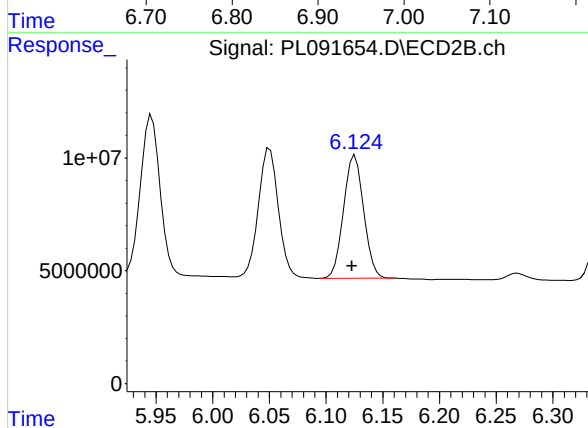
#17 4,4'-DDT

R.T.: 6.050 min  
Delta R.T.: 0.003 min  
Response: 69993515  
Conc: 43.56 ng/ml



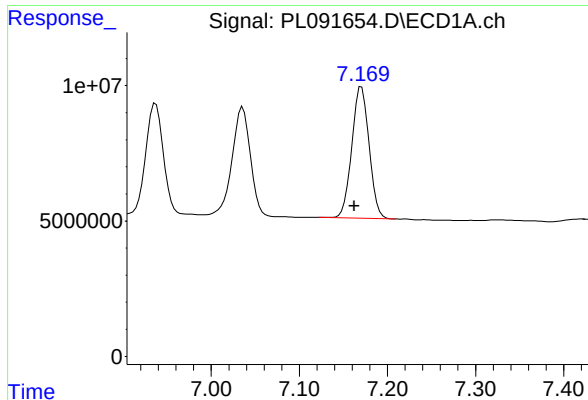
#18 Endrin aldehyde

R.T.: 6.937 min  
Delta R.T.: 0.008 min  
Response: 59572752  
Conc: 50.14 ng/ml



#18 Endrin aldehyde

R.T.: 6.125 min  
Delta R.T.: 0.003 min  
Response: 67046815  
Conc: 49.05 ng/ml



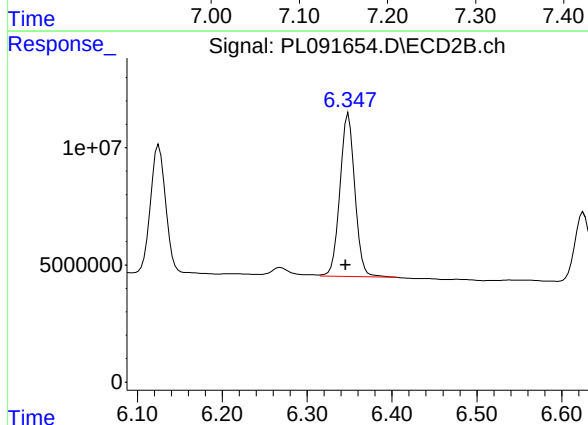
## #19 Endosulfan Sulfate

R.T.: 7.171 min  
Delta R.T.: 0.008 min  
Response: 66156816  
Conc: 47.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

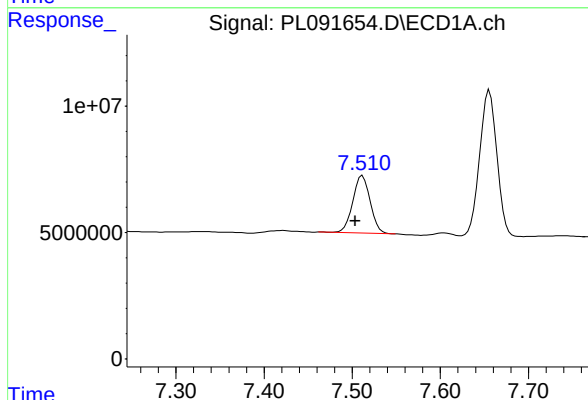
Manual Integrations  
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Supervised By :Ankita Jodhani 09/12/2024



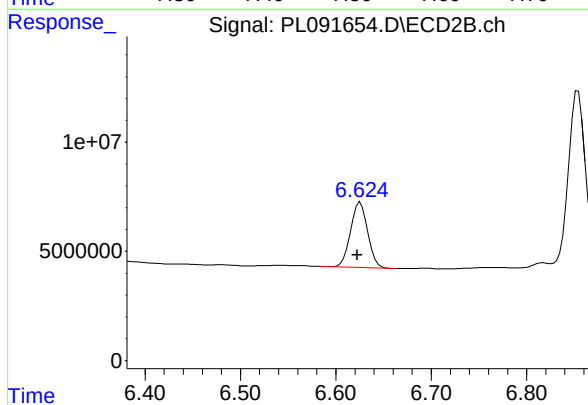
## #19 Endosulfan Sulfate

R.T.: 6.349 min  
Delta R.T.: 0.003 min  
Response: 85140309  
Conc: 49.61 ng/ml



## #20 Methoxychlor

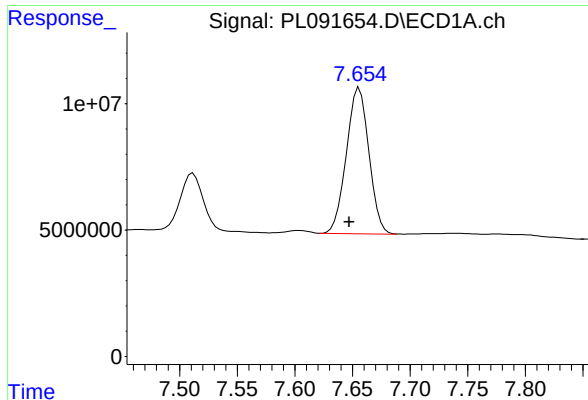
R.T.: 7.512 min  
Delta R.T.: 0.008 min  
Response: 31144397  
Conc: 46.04 ng/ml



## #20 Methoxychlor

R.T.: 6.626 min  
Delta R.T.: 0.003 min  
Response: 37592242  
Conc: 42.44 ng/ml





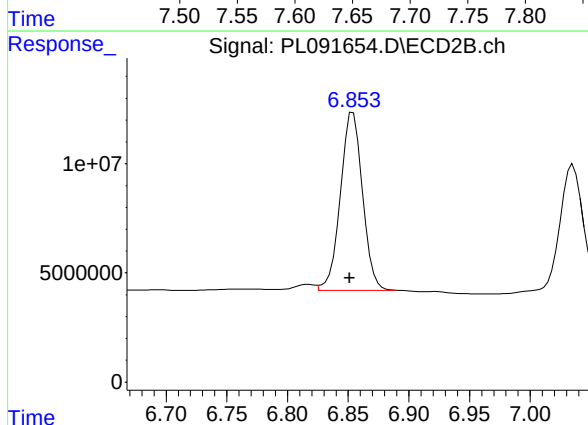
#21 Endrin ketone

R.T.: 7.654 min  
Delta R.T.: 0.007 min  
Response: 78283421  
Conc: 50.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

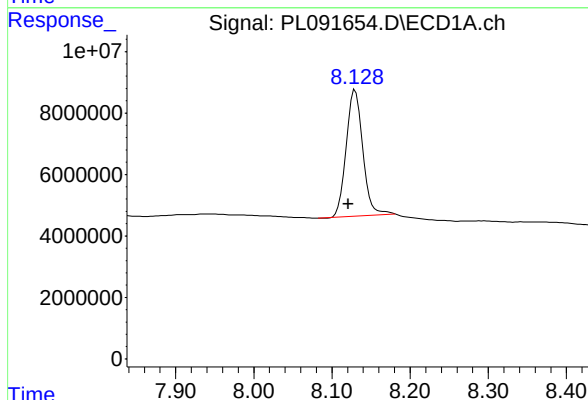
Manual Integrations  
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Reviewed By :Abdul Mirza 09/12/2024  
Supervised By :Ankita Jodhani 09/12/2024



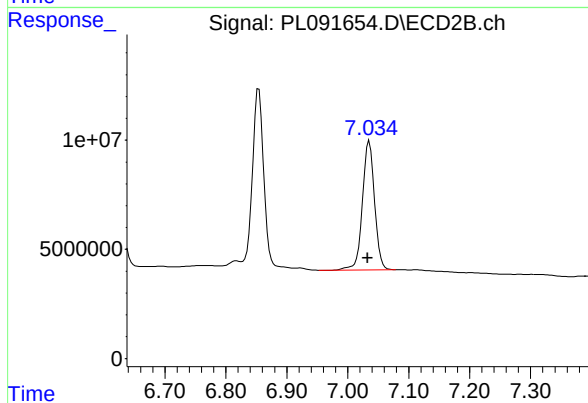
#21 Endrin ketone

R.T.: 6.853 min  
Delta R.T.: 0.001 min  
Response: 103328243  
Conc: 51.37 ng/ml m



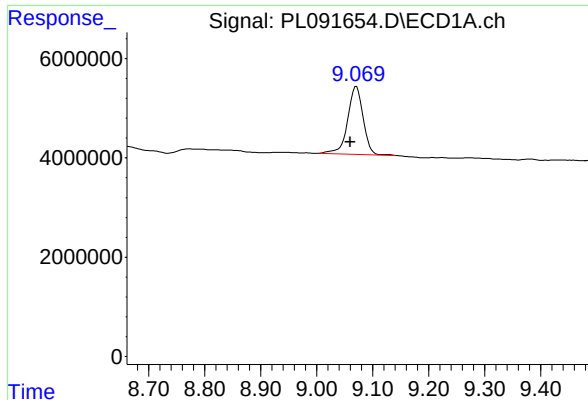
#22 Mirex

R.T.: 8.130 min  
Delta R.T.: 0.009 min  
Response: 60693215  
Conc: 50.69 ng/ml



#22 Mirex

R.T.: 7.035 min  
Delta R.T.: 0.003 min  
Response: 81771636  
Conc: 46.11 ng/ml



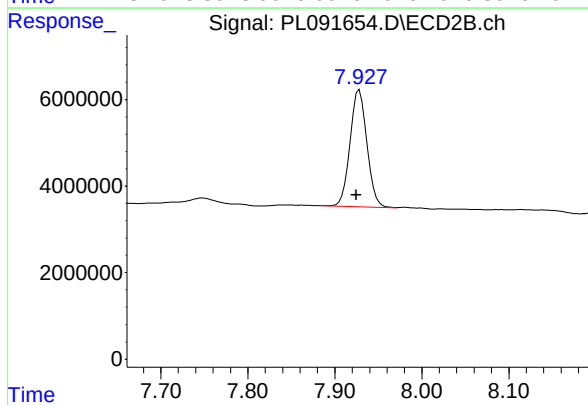
#28 Decachlorobiphenyl

R.T.: 9.071 min  
Delta R.T.: 0.010 min  
Response: 26138804  
Conc: 21.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB163229BSD

Manual Integrations  
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Supervised By :Ankita Jodhani 09/12/2024



#28 Decachlorobiphenyl

R.T.: 7.928 min  
Delta R.T.: 0.004 min  
Response: 36897636  
Conc: 19.98 ng/ml

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL090924 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter             | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|-----------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PEM        | PL091569.D | Endrin ketone         | Abdul     | 9/11/2024<br>11:42:32 AM | Ankita        | 9/11/2024 1:51:36 | Peak Integrated by Software |
| RESCHK     | PL091570.D | gamma-Chlordane #2    | Abdul     | 9/11/2024<br>11:42:35 AM | Ankita        | 9/11/2024 1:51:37 | Peak Integrated by Software |
| PSTDICC075 | PL091572.D | 4,4"-DDE #2           | Abdul     | 9/11/2024<br>11:42:38 AM | Ankita        | 9/11/2024 1:51:39 | Peak Integrated by Software |
| PSTDICC025 | PL091574.D | Heptachlor            | Abdul     | 9/11/2024<br>11:42:42 AM | Ankita        | 9/11/2024 1:51:41 | Peak Integrated by Software |
| PSTDICC025 | PL091574.D | Heptachlor epoxide #2 | Abdul     | 9/11/2024<br>11:42:42 AM | Ankita        | 9/11/2024 1:51:41 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | 4,4"-DDD #2           | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Decachlorobiphenyl    | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Endosulfan II #2      | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Endosulfan Sulfate    | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Endrin ketone         | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Endrin ketone #2      | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | gamma-Chlordane #2    | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Heptachlor            | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL090924 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter               | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|-------------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PSTDICC005 | PL091575.D | Heptachlor epoxide #2   | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Tetrachloro-m-xylene    | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PSTDICC005 | PL091575.D | Tetrachloro-m-xylene #2 | Abdul     | 9/11/2024<br>11:42:45 AM | Ankita        | 9/11/2024 1:51:42 | Peak Integrated by Software |
| PTOXICC500 | PL091583.D | Toxaphene-1 #2          | Abdul     | 9/11/2024 1:52:48<br>PM  | Ankita        | 9/11/2024 1:53:04 | Peak Integrated by Software |
| PTOXICC500 | PL091583.D | Toxaphene-2             | Abdul     | 9/11/2024 1:52:48<br>PM  | Ankita        | 9/11/2024 1:53:04 | Peak Integrated by Software |
| PTOXICC500 | PL091583.D | Toxaphene-2 #2          | Abdul     | 9/11/2024 1:52:48<br>PM  | Ankita        | 9/11/2024 1:53:04 | Peak Integrated by Software |
| PTOXICC500 | PL091583.D | Toxaphene-5 #2          | Abdul     | 9/11/2024 1:52:48<br>PM  | Ankita        | 9/11/2024 1:53:04 | Peak Integrated by Software |
| PSTDICV050 | PL091586.D | gamma-Chlordane #2      | Abdul     | 9/11/2024<br>11:42:59 AM | Ankita        | 9/11/2024 1:51:45 | Peak Integrated by Software |
| I.BLK      | PL091589.D | Decachlorobiphenyl #2   | Abdul     | 9/11/2024<br>11:43:04 AM | Ankita        | 9/11/2024 1:51:47 | Peak Integrated by Software |
| I.BLK      | PL091589.D | Tetrachloro-m-xylene #2 | Abdul     | 9/11/2024<br>11:43:04 AM | Ankita        | 9/11/2024 1:51:47 | Peak Integrated by Software |
| PEM        | PL091590.D | 4,4"-DDD #2             | Abdul     | 9/11/2024<br>11:43:08 AM | Ankita        | 9/11/2024 1:51:48 | Peak Integrated by Software |
| PEM        | PL091590.D | Endrin aldehyde         | Abdul     | 9/11/2024<br>11:43:08 AM | Ankita        | 9/11/2024 1:51:48 | Peak Integrated by Software |
| PSTDCCC050 | PL091591.D | 4,4"-DDE #2             | Abdul     | 9/11/2024<br>11:43:12 AM | Ankita        | 9/11/2024 1:51:50 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL090924 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter             | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|-----------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PSTDCCC050 | PL091591.D | gamma-Chlordane #2    | Abdul     | 9/11/2024<br>11:43:12 AM | Ankita        | 9/11/2024 1:51:50 | Peak Integrated by Software |
| I.BLK      | PL091601.D | Decachlorobiphenyl #2 | Abdul     | 9/11/2024<br>11:43:47 AM | Ankita        | 9/11/2024 1:52:04 | Peak Integrated by Software |
| PSTDCCC050 | PL091602.D | 4,4"-DDT #2           | Abdul     | 9/11/2024<br>11:43:51 AM | Ankita        | 9/11/2024 1:52:06 | Peak Integrated by Software |
| PSTDCCC050 | PL091602.D | Aldrin                | Abdul     | 9/11/2024<br>11:43:51 AM | Ankita        | 9/11/2024 1:52:06 | Peak Integrated by Software |
| PSTDCCC050 | PL091602.D | Endrin aldehyde       | Abdul     | 9/11/2024<br>11:43:51 AM | Ankita        | 9/11/2024 1:52:06 | Peak Integrated by Software |
| PSTDCCC050 | PL091602.D | Methoxychlor          | Abdul     | 9/11/2024<br>11:43:51 AM | Ankita        | 9/11/2024 1:52:06 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pl091024 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|--------------|------------|-----------------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| PEM          | PL091605.D | 4,4"-DDD #2           | Abdul     | 9/11/2024 9:20:40 AM | Ankita        | 9/11/2024 11:32:09 | Peak Integrated by Software |
| PEM          | PL091605.D | 4,4"-DDE              | Abdul     | 9/11/2024 9:20:40 AM | Ankita        | 9/11/2024 11:32:09 | Peak Integrated by Software |
| PEM          | PL091605.D | 4,4"-DDE #2           | Abdul     | 9/11/2024 9:20:40 AM | Ankita        | 9/11/2024 11:32:09 | Peak Integrated by Software |
| PEM          | PL091605.D | Endrin                | Abdul     | 9/11/2024 9:20:40 AM | Ankita        | 9/11/2024 11:32:09 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | 4,4"-DDD #2           | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | Aldrin #2             | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | Endosulfan II         | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | Endrin                | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | Endrin #2             | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | Endrin aldehyde       | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | gamma-Chlordane #2    | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PSTDCCC050   | PL091606.D | Heptachlor epoxide #2 | Abdul     | 9/11/2024 9:20:43 AM | Ankita        | 9/11/2024 11:32:11 | Peak Integrated by Software |
| PCHLORCCC500 | PL091607.D | Chlordane-3           | Abdul     | 9/11/2024 9:20:47 AM | Ankita        | 9/11/2024 11:32:13 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

pl091024

Instrument

ECD\_I

| Sample ID    | File ID    | Parameter          | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|--------------|------------|--------------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| PTOXC500     | PL091608.D | Toxaphene-1        | Abdul     | 9/12/2024 9:38:57 AM | Ankita        | 9/12/2024 11:58:31 | Peak Integrated by Software |
| PB163229BS   | PL091611.D | Dieldrin           | Abdul     | 9/11/2024 9:20:58 AM | Ankita        | 9/11/2024 11:32:18 | Peak Integrated by Software |
| PB163229BS   | PL091611.D | Endrin             | Abdul     | 9/11/2024 9:20:58 AM | Ankita        | 9/11/2024 11:32:18 | Peak Integrated by Software |
| PB163229BS   | PL091611.D | Endrin aldehyde    | Abdul     | 9/11/2024 9:20:58 AM | Ankita        | 9/11/2024 11:32:18 | Peak Integrated by Software |
| PB163229BS   | PL091611.D | Endrin ketone #2   | Abdul     | 9/11/2024 9:20:58 AM | Ankita        | 9/11/2024 11:32:18 | Peak Integrated by Software |
| PSTDCCC050   | PL091624.D | Aldrin             | Abdul     | 9/12/2024 3:02:46 PM | Ankita        | 9/13/2024 11:00:08 | Peak Integrated by Software |
| PSTDCCC050   | PL091624.D | gamma-Chlordane #2 | Abdul     | 9/12/2024 3:02:46 PM | Ankita        | 9/13/2024 11:00:08 | Peak Integrated by Software |
| PSTDCCC050   | PL091624.D | Heptachlor         | Abdul     | 9/12/2024 3:02:46 PM | Ankita        | 9/13/2024 11:00:08 | Peak Integrated by Software |
| PCHLORCCC500 | PL091625.D | Chlordane-3        | Abdul     | 9/11/2024 9:21:29 AM | Ankita        | 9/11/2024 11:32:33 | Peak Integrated by Software |
| PTOXC500     | PL091626.D | Toxaphene-1        | Abdul     | 9/12/2024 9:39:12 AM | Ankita        | 9/12/2024 11:58:39 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PL091124

Instrument

ECD\_I

| Sample ID  | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|--------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PEM        | PL091629.D | Endrin             | Abdul     | 9/11/2024<br>11:45:27 AM | Ankita        | 9/12/2024 1:30:12 | Peak Integrated by Software |
| PSTDCCC050 | PL091630.D | 4,4"-DDE #2        | Abdul     | 9/11/2024<br>11:45:32 AM | Ankita        | 9/12/2024 1:30:16 | Peak Integrated by Software |
| PSTDCCC050 | PL091630.D | Aldrin #2          | Abdul     | 9/11/2024<br>11:45:32 AM | Ankita        | 9/12/2024 1:30:16 | Peak Integrated by Software |
| PSTDCCC050 | PL091630.D | Endosulfan II      | Abdul     | 9/11/2024<br>11:45:32 AM | Ankita        | 9/12/2024 1:30:16 | Peak Integrated by Software |
| PSTDCCC050 | PL091630.D | Endrin             | Abdul     | 9/11/2024<br>11:45:32 AM | Ankita        | 9/12/2024 1:30:16 | Peak Integrated by Software |
| PSTDCCC050 | PL091630.D | Endrin aldehyde    | Abdul     | 9/11/2024<br>11:45:32 AM | Ankita        | 9/12/2024 1:30:16 | Peak Integrated by Software |
| PSTDCCC050 | PL091630.D | gamma-Chlordane #2 | Abdul     | 9/11/2024<br>11:45:32 AM | Ankita        | 9/12/2024 1:30:16 | Peak Integrated by Software |
| PSTDCCC050 | PL091630.D | Mirex #2           | Abdul     | 9/11/2024<br>11:45:32 AM | Ankita        | 9/12/2024 1:30:16 | Peak Integrated by Software |
| PSTDCCC050 | PL091651.D | 4,4"-DDE #2        | Abdul     | 9/12/2024<br>10:47:32 AM | Ankita        | 9/12/2024 1:31:19 | Peak Integrated by Software |
| PSTDCCC050 | PL091651.D | Aldrin #2          | Abdul     | 9/12/2024<br>10:47:32 AM | Ankita        | 9/12/2024 1:31:19 | Peak Integrated by Software |
| PSTDCCC050 | PL091651.D | Dieldrin           | Abdul     | 9/12/2024<br>10:47:32 AM | Ankita        | 9/12/2024 1:31:19 | Peak Integrated by Software |
| PSTDCCC050 | PL091651.D | Endosulfan II      | Abdul     | 9/12/2024<br>10:47:32 AM | Ankita        | 9/12/2024 1:31:19 | Peak Integrated by Software |
| PSTDCCC050 | PL091651.D | Endrin ketone      | Abdul     | 9/12/2024<br>10:47:32 AM | Ankita        | 9/12/2024 1:31:19 | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL091124 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter             | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|-------------|------------|-----------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PSTDCCC050  | PL091651.D | Heptachlor epoxide    | Abdul     | 9/12/2024<br>10:47:32 AM | Ankita        | 9/12/2024 1:31:19 | Peak Integrated by Software |
| PB163229BSD | PL091654.D | 4,4"-DDE #2           | Abdul     | 9/12/2024<br>10:50:13 AM | Ankita        | 9/12/2024 1:31:25 | Peak Integrated by Software |
| PB163229BSD | PL091654.D | Dieldrin              | Abdul     | 9/12/2024<br>10:50:13 AM | Ankita        | 9/12/2024 1:31:25 | Peak Integrated by Software |
| PB163229BSD | PL091654.D | Endosulfan II         | Abdul     | 9/12/2024<br>10:50:13 AM | Ankita        | 9/12/2024 1:31:25 | Peak Integrated by Software |
| PB163229BSD | PL091654.D | Endrin                | Abdul     | 9/12/2024<br>10:50:13 AM | Ankita        | 9/12/2024 1:31:25 | Peak Integrated by Software |
| PB163229BSD | PL091654.D | Endrin ketone         | Abdul     | 9/12/2024<br>10:50:13 AM | Ankita        | 9/12/2024 1:31:25 | Peak Integrated by Software |
| PB163229BSD | PL091654.D | Endrin ketone #2      | Abdul     | 9/12/2024<br>10:50:13 AM | Ankita        | 9/12/2024 1:31:25 | Peak Integrated by Software |
| I.BLK       | PL091662.D | Decachlorobiphenyl    | Abdul     | 9/12/2024<br>10:48:09 AM | Ankita        | 9/12/2024 1:31:45 | Peak Integrated by Software |
| I.BLK       | PL091662.D | Decachlorobiphenyl #2 | Abdul     | 9/12/2024<br>10:48:09 AM | Ankita        | 9/12/2024 1:31:45 | Peak Integrated by Software |
| PSTDCCC050  | PL091663.D | Endrin ketone         | Abdul     | 9/12/2024<br>10:48:13 AM | Ankita        | 9/12/2024 1:31:52 | Peak Integrated by Software |
| PSTDCCC050  | PL091663.D | Heptachlor            | Abdul     | 9/12/2024<br>10:48:13 AM | Ankita        | 9/12/2024 1:31:52 | Peak Integrated by Software |
| PSTDCCC050  | PL091673.D | 4,4"-DDE #2           | Abdul     | 9/12/2024<br>10:49:23 AM | Ankita        | 9/12/2024 1:32:24 | Peak Integrated by Software |
| PSTDCCC050  | PL091673.D | Aldrin #2             | Abdul     | 9/12/2024<br>10:49:23 AM | Ankita        | 9/12/2024 1:32:24 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL091124 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter             | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|-----------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PSTDCCC050 | PL091673.D | delta-BHC #2          | Abdul     | 9/12/2024<br>10:49:23 AM | Ankita        | 9/12/2024 1:32:24 | Peak Integrated by Software |
| PSTDCCC050 | PL091673.D | Endrin                | Abdul     | 9/12/2024<br>10:49:23 AM | Ankita        | 9/12/2024 1:32:24 | Peak Integrated by Software |
| PSTDCCC050 | PL091673.D | Heptachlor epoxide    | Abdul     | 9/12/2024<br>10:49:23 AM | Ankita        | 9/12/2024 1:32:24 | Peak Integrated by Software |
| PSTDCCC050 | PL091673.D | Heptachlor epoxide #2 | Abdul     | 9/12/2024<br>10:49:23 AM | Ankita        | 9/12/2024 1:32:24 | Peak Integrated by Software |
| PSTDCCC050 | PL091681.D | 4,4"-DDE #2           | Abdul     | 9/12/2024<br>10:49:55 AM | Ankita        | 9/12/2024 1:32:50 | Peak Integrated by Software |
| PSTDCCC050 | PL091681.D | Aldrin                | Abdul     | 9/12/2024<br>10:49:55 AM | Ankita        | 9/12/2024 1:32:50 | Peak Integrated by Software |
| PSTDCCC050 | PL091681.D | Aldrin #2             | Abdul     | 9/12/2024<br>10:49:55 AM | Ankita        | 9/12/2024 1:32:50 | Peak Integrated by Software |
| PSTDCCC050 | PL091681.D | Endosulfan II         | Abdul     | 9/12/2024<br>10:49:55 AM | Ankita        | 9/12/2024 1:32:50 | Peak Integrated by Software |
| PSTDCCC050 | PL091681.D | Endrin                | Abdul     | 9/12/2024<br>10:49:55 AM | Ankita        | 9/12/2024 1:32:50 | Peak Integrated by Software |
| PSTDCCC050 | PL091681.D | Heptachlor            | Abdul     | 9/12/2024<br>10:49:55 AM | Ankita        | 9/12/2024 1:32:50 | Peak Integrated by Software |
| PSTDCCC050 | PL091681.D | Heptachlor epoxide    | Abdul     | 9/12/2024<br>10:49:55 AM | Ankita        | 9/12/2024 1:32:50 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL092324 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter           | Review By | Review On             | Supervised By | Supervised On      | Reason                      |
|------------|------------|---------------------|-----------|-----------------------|---------------|--------------------|-----------------------------|
| PEM        | PL091954.D | Endrin ketone #2    | Abdul     | 9/24/2024 9:17:41 AM  | Ankita        | 9/24/2024 11:06:36 | Peak Integrated by Software |
| PSTDICC025 | PL091959.D | Heptachlor epoxide  | Abdul     | 9/24/2024 9:17:44 AM  | Ankita        | 9/24/2024 11:06:38 | Peak Integrated by Software |
| PSTDICC005 | PL091960.D | delta-BHC           | Abdul     | 9/24/2024 9:17:47 AM  | Ankita        | 9/24/2024 11:06:40 | Peak Integrated by Software |
| PSTDICC005 | PL091960.D | Endrin ketone #2    | Abdul     | 9/24/2024 9:17:47 AM  | Ankita        | 9/24/2024 11:06:40 | Peak Integrated by Software |
| PSTDICC005 | PL091960.D | Heptachlor          | Abdul     | 9/24/2024 9:17:47 AM  | Ankita        | 9/24/2024 11:06:40 | Peak Integrated by Software |
| PSTDICC005 | PL091960.D | Heptachlor epoxide  | Abdul     | 9/24/2024 9:17:47 AM  | Ankita        | 9/24/2024 11:06:40 | Peak Integrated by Software |
| PSTDICC005 | PL091960.D | Methoxychlor        | Abdul     | 9/24/2024 9:17:47 AM  | Ankita        | 9/24/2024 11:06:40 | Peak Integrated by Software |
| PEM        | PL091975.D | 4,4"-DDE            | Abdul     | 9/25/2024 12:23:38 PM | Ankita        | 9/25/2024 12:24:20 | Peak Integrated by Software |
| PEM        | PL091975.D | 4,4"-DDE #2         | Abdul     | 9/25/2024 12:23:38 PM | Ankita        | 9/25/2024 12:24:20 | Peak Integrated by Software |
| PEM        | PL091975.D | 4,4"-DDT #2         | Abdul     | 9/25/2024 12:23:38 PM | Ankita        | 9/25/2024 12:24:20 | Peak Integrated by Software |
| PEM        | PL091975.D | Endrin ketone #2    | Abdul     | 9/25/2024 12:23:38 PM | Ankita        | 9/25/2024 12:24:20 | Peak Integrated by Software |
| PEM        | PL091975.D | gamma-BHC (Lindane) | Abdul     | 9/25/2024 12:23:38 PM | Ankita        | 9/25/2024 12:24:20 | Peak Integrated by Software |
| PEM        | PL091975.D | Methoxychlor #2     | Abdul     | 9/25/2024 12:23:38 PM | Ankita        | 9/25/2024 12:24:20 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PL092324

Instrument

ECD\_I

| Sample ID  | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|------------|------------|----------------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| PSTDCCC050 | PL091976.D | 4,4"-DDE #2          | Abdul     | 9/24/2024 9:18:08 AM | Ankita        | 9/24/2024 11:06:48 | Peak Integrated by Software |
| PSTDCCC050 | PL091976.D | Aldrin #2            | Abdul     | 9/24/2024 9:18:08 AM | Ankita        | 9/24/2024 11:06:48 | Peak Integrated by Software |
| PSTDCCC050 | PL091976.D | delta-BHC #2         | Abdul     | 9/24/2024 9:18:08 AM | Ankita        | 9/24/2024 11:06:48 | Peak Integrated by Software |
| PSTDCCC050 | PL091976.D | Endrin aldehyde      | Abdul     | 9/24/2024 9:18:08 AM | Ankita        | 9/24/2024 11:06:48 | Peak Integrated by Software |
| PSTDCCC050 | PL091976.D | Endrin ketone #2     | Abdul     | 9/24/2024 9:18:08 AM | Ankita        | 9/24/2024 11:06:48 | Peak Integrated by Software |
| I.BLK      | PL091988.D | Tetrachloro-m-xylene | Abdul     | 9/24/2024 9:23:07 AM | Ankita        | 9/24/2024 11:07:26 | Peak Integrated by Software |
| PSTDCCC050 | PL091989.D | 4,4"-DDD             | Abdul     | 9/24/2024 9:23:10 AM | Ankita        | 9/24/2024 11:07:29 | Peak Integrated by Software |
| PSTDCCC050 | PL091989.D | 4,4"-DDE #2          | Abdul     | 9/24/2024 9:23:10 AM | Ankita        | 9/24/2024 11:07:29 | Peak Integrated by Software |
| PSTDCCC050 | PL091989.D | Aldrin #2            | Abdul     | 9/24/2024 9:23:10 AM | Ankita        | 9/24/2024 11:07:29 | Peak Integrated by Software |
| PSTDCCC050 | PL091989.D | delta-BHC #2         | Abdul     | 9/24/2024 9:23:10 AM | Ankita        | 9/24/2024 11:07:29 | Peak Integrated by Software |
| PSTDCCC050 | PL091989.D | Endosulfan II        | Abdul     | 9/24/2024 9:23:10 AM | Ankita        | 9/24/2024 11:07:29 | Peak Integrated by Software |
| PSTDCCC050 | PL091989.D | Endosulfan II #2     | Abdul     | 9/24/2024 9:23:10 AM | Ankita        | 9/24/2024 11:07:29 | Peak Integrated by Software |
| PSTDCCC050 | PL091989.D | Endrin               | Abdul     | 9/24/2024 9:23:10 AM | Ankita        | 9/24/2024 11:07:29 | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

PL092324

Instrument

ECD\_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL092424 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|--------------|------------|--------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PEM          | PL091992.D | 4,4"-DDE           | Abdul     | 9/25/2024<br>10:47:14 AM | Ankita        | 9/25/2024 2:17:24 | Peak Integrated by Software |
| PEM          | PL091992.D | 4,4"-DDE #2        | Abdul     | 9/25/2024<br>10:47:14 AM | Ankita        | 9/25/2024 2:17:24 | Peak Integrated by Software |
| PEM          | PL091992.D | Endrin ketone #2   | Abdul     | 9/25/2024<br>10:47:14 AM | Ankita        | 9/25/2024 2:17:24 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | 4,4"-DDD           | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | 4,4"-DDE #2        | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | Aldrin #2          | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | Endosulfan II #2   | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | Endrin             | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | Endrin ketone #2   | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | gamma-Chlordane    | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | Heptachlor epoxide | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PSTDCCC050   | PL091993.D | Methoxychlor       | Abdul     | 9/25/2024<br>10:47:17 AM | Ankita        | 9/25/2024 2:17:25 | Peak Integrated by Software |
| PCHLORCCC500 | PL091994.D | Chlordane-1        | Abdul     | 9/25/2024<br>10:47:20 AM | Ankita        | 9/25/2024 2:17:27 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL092424 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter               | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|-------------|------------|-------------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| P3845-09    | PL091996.D | delta-BHC               | Abdul     | 9/25/2024<br>10:47:23 AM | Ankita        | 9/25/2024 2:17:29 | Peak Integrated by Software |
| P3845-09DL  | PL091999.D | delta-BHC               | Abdul     | 9/25/2024 4:44:18<br>PM  | Ankita        | 9/26/2024 2:40:35 | Peak Integrated by Software |
| P3845-09DL  | PL091999.D | Tetrachloro-m-xylene    | Abdul     | 9/25/2024 4:44:18<br>PM  | Ankita        | 9/26/2024 2:40:35 | Peak Integrated by Software |
| P3845-09DL2 | PL092000.D | delta-BHC               | Abdul     | 9/25/2024<br>10:47:42 AM | Ankita        | 9/25/2024 2:17:40 | Peak Integrated by Software |
| P3845-09DL2 | PL092000.D | Tetrachloro-m-xylene #2 | Abdul     | 9/25/2024<br>10:47:42 AM | Ankita        | 9/25/2024 2:17:40 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | 4,4"-DDD                | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | 4,4"-DDE #2             | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | Aldrin #2               | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | alpha-Chlordane         | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | Endrin                  | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | Endrin ketone #2        | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | gamma-Chlordane         | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |
| PSTDCCC050  | PL092003.D | Heptachlor epoxide      | Abdul     | 9/25/2024<br>10:47:50 AM | Ankita        | 9/25/2024 2:17:43 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL092424 | Instrument | ECD_I |
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| Sample ID  | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|--------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PSTDCCC050 | PL092015.D | 4,4"-DDD           | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | 4,4"-DDE #2        | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | Aldrin             | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | Aldrin #2          | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | alpha-Chlordane    | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | Endosulfan II #2   | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | Endrin             | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | Endrin ketone #2   | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | gamma-Chlordane    | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | Heptachlor epoxide | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092015.D | Methoxychlor       | Abdul     | 9/25/2024<br>10:48:24 AM | Ankita        | 9/25/2024 2:17:56 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | 4,4"-DDD           | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | 4,4"-DDE #2        | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL092424 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|--------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| PSTDCCC050 | PL092021.D | Aldrin #2          | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | Endosulfan I #2    | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | Endrin             | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | Endrin ketone #2   | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | gamma-Chlordane    | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | Heptachlor epoxide | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |
| PSTDCCC050 | PL092021.D | Mirex #2           | Abdul     | 9/25/2024<br>10:48:40 AM | Ankita        | 9/25/2024 2:18:03 | Peak Integrated by Software |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL090924**

|                          |                                                                                 |                   |                                    |
|--------------------------|---------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                           | Review On         | 9/11/2024 11:44:26 AM              |
| Supervise By             | Ankita                                                                          | Supervise On      | 9/11/2024 1:52:24 PM               |
| SubDirectory             | PL090924                                                                        | HP Acquire Method | HP Processing Method pl090924 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                 |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                         |                   |                                    |
| Internal Standard/PEM    |                                                                                 |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |                   |                                    |
| Surrogate Standard       |                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                 |                   |                                    |
| LCS Standard             |                                                                                 |                   |                                    |

| Sr# | SampleId      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PL091567.D     | 09 Sep 2024 10:14 | AR\AJ    | Ok     |
| 2   | I.BLK         | PL091568.D     | 09 Sep 2024 14:50 | AR\AJ    | Ok     |
| 3   | PEM           | PL091569.D     | 09 Sep 2024 15:03 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PL091570.D     | 09 Sep 2024 15:17 | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PL091571.D     | 09 Sep 2024 15:31 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PL091572.D     | 09 Sep 2024 15:44 | AR\AJ    | Ok,M   |
| 7   | PSTDICC050    | PL091573.D     | 09 Sep 2024 15:58 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PL091574.D     | 09 Sep 2024 16:11 | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PL091575.D     | 09 Sep 2024 16:25 | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PL091576.D     | 09 Sep 2024 16:39 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PL091577.D     | 09 Sep 2024 16:52 | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PL091578.D     | 09 Sep 2024 17:06 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PL091579.D     | 09 Sep 2024 17:19 | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PL091580.D     | 09 Sep 2024 17:33 | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PL091581.D     | 09 Sep 2024 17:47 | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PL091582.D     | 09 Sep 2024 18:01 | AR\AJ    | Ok,M   |
| 17  | PTOXICC500    | PL091583.D     | 09 Sep 2024 18:14 | AR\AJ    | Ok,M   |
| 18  | PTOXICC250    | PL091584.D     | 09 Sep 2024 18:28 | AR\AJ    | Ok     |
| 19  | PTOXICC100    | PL091585.D     | 09 Sep 2024 18:42 | AR\AJ    | Ok,M   |
| 20  | PSTDICV050    | PL091586.D     | 09 Sep 2024 18:56 | AR\AJ    | Ok,M   |
| 21  | PCHLORICV500  | PL091587.D     | 09 Sep 2024 19:10 | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL090924**

| Review By                | Abdul                                                                           | Review On         | 9/11/2024 11:44:26 AM              |
|--------------------------|---------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                          | Supervise On      | 9/11/2024 1:52:24 PM               |
| SubDirectory             | PL090924                                                                        | HP Acquire Method | HP Processing Method pl090924 8081 |
| STD. NAME                | STD REF.#                                                                       |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                 |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                         |                   |                                    |
| Internal Standard/PEM    |                                                                                 |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |                   |                                    |
| Surrogate Standard       |                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                 |                   |                                    |
| LCS Standard             |                                                                                 |                   |                                    |

|    |             |            |                   |       |        |
|----|-------------|------------|-------------------|-------|--------|
| 22 | PTOXICV500  | PL091588.D | 09 Sep 2024 19:23 | AR\AJ | Ok     |
| 23 | I.BLK       | PL091589.D | 09 Sep 2024 19:37 | AR\AJ | Not Ok |
| 24 | PEM         | PL091590.D | 09 Sep 2024 19:51 | AR\AJ | Ok,M   |
| 25 | PSTDCCC050  | PL091591.D | 09 Sep 2024 20:05 | AR\AJ | Ok,M   |
| 26 | PB163178BS  | PL091592.D | 09 Sep 2024 20:18 | AR\AJ | Not Ok |
| 27 | P3861-01    | PL091593.D | 09 Sep 2024 20:32 | AR\AJ | Not Ok |
| 28 | PB163218BL  | PL091594.D | 09 Sep 2024 20:46 | AR\AJ | Not Ok |
| 29 | PB163218BS  | PL091595.D | 09 Sep 2024 21:00 | AR\AJ | Not Ok |
| 30 | P3888-01    | PL091596.D | 09 Sep 2024 21:13 | AR\AJ | Not Ok |
| 31 | P3888-02    | PL091597.D | 09 Sep 2024 21:27 | AR\AJ | Not Ok |
| 32 | P3888-02MS  | PL091598.D | 09 Sep 2024 21:41 | AR\AJ | Not Ok |
| 33 | P3888-02MSD | PL091599.D | 09 Sep 2024 21:55 | AR\AJ | Not Ok |
| 34 | P3892-02    | PL091600.D | 09 Sep 2024 22:08 | AR\AJ | Not Ok |
| 35 | I.BLK       | PL091601.D | 09 Sep 2024 22:22 | AR\AJ | Ok,M   |
| 36 | PSTDCCC050  | PL091602.D | 09 Sep 2024 22:36 | AR\AJ | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091024**

|                          |                                                                                 |                   |                                    |
|--------------------------|---------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                           | Review On         | 9/11/2024 9:23:53 AM               |
| Supervise By             | Ankita                                                                          | Supervise On      | 9/12/2024 11:58:50 AM              |
| SubDirectory             | PL091024                                                                        | HP Acquire Method | HP Processing Method pl090924 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                 |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                         |                   |                                    |
| Internal Standard/PEM    |                                                                                 |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |                   |                                    |
| Surrogate Standard       |                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                 |                   |                                    |
| LCS Standard             |                                                                                 |                   |                                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | HEXANE       | PL091603.D     | 10 Sep 2024 10:43 | AR\AJ    | Ok     |
| 2   | I.BLK        | PL091604.D     | 10 Sep 2024 10:57 | AR\AJ    | Ok     |
| 3   | PEM          | PL091605.D     | 10 Sep 2024 11:10 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050   | PL091606.D     | 10 Sep 2024 11:24 | AR\AJ    | Ok,M   |
| 5   | PCHLORCCC500 | PL091607.D     | 10 Sep 2024 11:56 | AR\AJ    | Ok,M   |
| 6   | PTOXCCC500   | PL091608.D     | 10 Sep 2024 12:12 | AR\AJ    | Ok,M   |
| 7   | PB163178BS   | PL091609.D     | 10 Sep 2024 12:26 | AR\AJ    | Ok,M   |
| 8   | PB163229BL   | PL091610.D     | 10 Sep 2024 12:40 | AR\AJ    | Ok     |
| 9   | PB163229BS   | PL091611.D     | 10 Sep 2024 12:57 | AR\AJ    | Ok,M   |
| 10  | PB163229BSD  | PL091612.D     | 10 Sep 2024 13:11 | AR\AJ    | Not Ok |
| 11  | P3845-09     | PL091613.D     | 10 Sep 2024 13:25 | AR\AJ    | Not Ok |
| 12  | P3853-01     | PL091614.D     | 10 Sep 2024 13:38 | AR\AJ    | Ok     |
| 13  | PB163230BL   | PL091615.D     | 10 Sep 2024 13:52 | AR\AJ    | Ok     |
| 14  | PB163230BS   | PL091616.D     | 10 Sep 2024 15:02 | AR\AJ    | Not Ok |
| 15  | P3845-11     | PL091617.D     | 10 Sep 2024 15:16 | AR\AJ    | Not Ok |
| 16  | PB163231BL   | PL091618.D     | 10 Sep 2024 15:29 | AR\AJ    | Ok     |
| 17  | PB163231BS   | PL091619.D     | 10 Sep 2024 15:43 | AR\AJ    | Ok     |
| 18  | P3845-13     | PL091620.D     | 10 Sep 2024 15:57 | AR\AJ    | Not Ok |
| 19  | P3845-13DL   | PL091621.D     | 10 Sep 2024 16:23 | AR\AJ    | Not Ok |
| 20  | P3845-13DL2  | PL091622.D     | 10 Sep 2024 16:43 | AR\AJ    | Not Ok |
| 21  | I.BLK        | PL091623.D     | 10 Sep 2024 16:56 | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091024**

| Review By                | Abdul                                                                           | Review On         | 9/11/2024 9:23:53 AM               |
|--------------------------|---------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                          | Supervise On      | 9/12/2024 11:58:50 AM              |
| SubDirectory             | PL091024                                                                        | HP Acquire Method | HP Processing Method pl090924 8081 |
| STD. NAME                | STD REF.#                                                                       |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                 |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                         |                   |                                    |
| Internal Standard/PEM    |                                                                                 |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |                   |                                    |
| Surrogate Standard       |                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                 |                   |                                    |
| LCS Standard             |                                                                                 |                   |                                    |

|    |              |            |                   |       |      |
|----|--------------|------------|-------------------|-------|------|
| 22 | PSTDCCC050   | PL091624.D | 10 Sep 2024 17:10 | AR\AJ | Ok,M |
| 23 | PCHLORCCC500 | PL091625.D | 10 Sep 2024 17:24 | AR\AJ | Ok,M |
| 24 | PTOXCCC500   | PL091626.D | 10 Sep 2024 17:54 | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091124**

|                          |                                                                                  |                   |                                    |
|--------------------------|----------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                            | Review On         | 9/11/2024 9:41:19 AM               |
| Supervise By             | Ankita                                                                           | Supervise On      | 9/12/2024 1:33:13 PM               |
| SubDirectory             | PL091124                                                                         | HP Acquire Method | HP Processing Method pl080524 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                 |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                  |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                          |                   |                                    |
| Internal Standard/PEM    |                                                                                  |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                          |                   |                                    |
| Surrogate Standard       |                                                                                  |                   |                                    |
| MS/MSD Standard          |                                                                                  |                   |                                    |
| LCS Standard             |                                                                                  |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | HEXANE      | PL091627.D     | 11 Sep 2024 03:04 | AR\AJ    | Ok       |
| 2   | I.BLK       | PL091628.D     | 11 Sep 2024 03:18 | AR\AJ    | Ok       |
| 3   | PEM         | PL091629.D     | 11 Sep 2024 03:31 | AR\AJ    | Ok,M     |
| 4   | PSTDCCC050  | PL091630.D     | 11 Sep 2024 04:13 | AR\AJ    | Ok,M     |
| 5   | P3845-09DL  | PL091631.D     | 11 Sep 2024 04:26 | AR\AJ    | Not Ok   |
| 6   | P3861-01    | PL091632.D     | 11 Sep 2024 04:40 | AR\AJ    | Ok,M     |
| 7   | PB163218BL  | PL091633.D     | 11 Sep 2024 04:54 | AR\AJ    | Ok       |
| 8   | PB163218BS  | PL091634.D     | 11 Sep 2024 05:08 | AR\AJ    | Not Ok   |
| 9   | P3888-01    | PL091635.D     | 11 Sep 2024 05:21 | AR\AJ    | Dilution |
| 10  | P3888-02    | PL091636.D     | 11 Sep 2024 05:35 | AR\AJ    | Ok,M     |
| 11  | P3888-02DL  | PL091637.D     | 11 Sep 2024 05:49 | AR\AJ    | Not Ok   |
| 12  | P3888-02MS  | PL091638.D     | 11 Sep 2024 06:02 | AR\AJ    | Ok,M     |
| 13  | P3888-02MSD | PL091639.D     | 11 Sep 2024 06:16 | AR\AJ    | Ok,M     |
| 14  | P3892-01    | PL091640.D     | 11 Sep 2024 06:30 | AR\AJ    | Ok,M     |
| 15  | PB163261BL  | PL091641.D     | 11 Sep 2024 08:09 | AR\AJ    | Ok,M     |
| 16  | PB163261BS  | PL091642.D     | 11 Sep 2024 09:10 | AR\AJ    | Ok,M     |
| 17  | P3872-02    | PL091643.D     | 11 Sep 2024 09:23 | AR\AJ    | Ok       |
| 18  | P3872-02MS  | PL091644.D     | 11 Sep 2024 09:37 | AR\AJ    | Ok,M     |
| 19  | P3872-02MSD | PL091645.D     | 11 Sep 2024 09:51 | AR\AJ    | Ok,M     |
| 20  | P3845-09DL  | PL091646.D     | 11 Sep 2024 10:05 | AR\AJ    | Not Ok   |
| 21  | P3905-06    | PL091647.D     | 11 Sep 2024 10:18 | AR\AJ    | Ok       |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091124**

|                          |                                                                                  |                   |                                    |
|--------------------------|----------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                            | Review On         | 9/11/2024 9:41:19 AM               |
| Supervise By             | Ankita                                                                           | Supervise On      | 9/12/2024 1:33:13 PM               |
| SubDirectory             | PL091124                                                                         | HP Acquire Method | HP Processing Method pl080524 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                 |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                  |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                          |                   |                                    |
| Internal Standard/PEM    |                                                                                  |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                          |                   |                                    |
| Surrogate Standard       |                                                                                  |                   |                                    |
| MS/MSD Standard          |                                                                                  |                   |                                    |
| LCS Standard             |                                                                                  |                   |                                    |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 22 | PB163203TB  | PL091648.D | 11 Sep 2024 10:32 | AR\AJ | Ok       |
| 23 | PB163205TB  | PL091649.D | 11 Sep 2024 10:45 | AR\AJ | Ok       |
| 24 | I.BLK       | PL091650.D | 11 Sep 2024 10:59 | AR\AJ | Ok       |
| 25 | PSTDCCC050  | PL091651.D | 11 Sep 2024 11:31 | AR\AJ | Ok,M     |
| 26 | PB163256BL  | PL091652.D | 11 Sep 2024 12:05 | AR\AJ | Ok       |
| 27 | PB163256BS  | PL091653.D | 11 Sep 2024 12:19 | AR\AJ | Ok,M     |
| 28 | PB163229BSD | PL091654.D | 11 Sep 2024 13:13 | AR\AJ | Ok,M     |
| 29 | P3906-01    | PL091655.D | 11 Sep 2024 13:27 | AR\AJ | Ok,NS    |
| 30 | P3906-07    | PL091656.D | 11 Sep 2024 13:41 | AR\AJ | Ok,M     |
| 31 | P3906-13    | PL091657.D | 11 Sep 2024 13:55 | AR\AJ | Dilution |
| 32 | P3907-01    | PL091658.D | 11 Sep 2024 14:08 | AR\AJ | Ok,M     |
| 33 | P3907-07    | PL091659.D | 11 Sep 2024 14:22 | AR\AJ | Ok,M     |
| 34 | P3916-01    | PL091660.D | 11 Sep 2024 14:36 | AR\AJ | Ok,M     |
| 35 | P3925-01    | PL091661.D | 11 Sep 2024 14:50 | AR\AJ | Ok,M     |
| 36 | I.BLK       | PL091662.D | 11 Sep 2024 15:04 | AR\AJ | Ok,M     |
| 37 | PSTDCCC050  | PL091663.D | 11 Sep 2024 15:17 | AR\AJ | Ok,M     |
| 38 | PB163290BL  | PL091664.D | 11 Sep 2024 15:31 | AR\AJ | Not Ok   |
| 39 | PB163290BS  | PL091665.D | 11 Sep 2024 15:45 | AR\AJ | Not Ok   |
| 40 | P3917-01    | PL091666.D | 11 Sep 2024 15:59 | AR\AJ | Not Ok   |
| 41 | P3905-01    | PL091667.D | 11 Sep 2024 16:13 | AR\AJ | Not Ok   |
| 42 | P3905-05    | PL091668.D | 11 Sep 2024 16:26 | AR\AJ | Not Ok   |
| 43 | P3905-05MS  | PL091669.D | 11 Sep 2024 16:40 | AR\AJ | Not Ok   |
| 44 | P3905-05MSD | PL091670.D | 11 Sep 2024 16:54 | AR\AJ | Not Ok   |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QCBatch ID # PL091124**

| Review By                | Abdul                                                                            | Review On         | 9/11/2024 9:41:19 AM               |
|--------------------------|----------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                           | Supervise On      | 9/12/2024 1:33:13 PM               |
| SubDirectory             | PL091124                                                                         | HP Acquire Method | HP Processing Method pl080524 8081 |
| STD. NAME                | STD REF.#                                                                        |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                  |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                          |                   |                                    |
| Internal Standard/PEM    |                                                                                  |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                          |                   |                                    |
| Surrogate Standard       |                                                                                  |                   |                                    |
| MS/MSD Standard          |                                                                                  |                   |                                    |
| LCS Standard             |                                                                                  |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 45 | I.BLK       | PL091671.D | 11 Sep 2024 17:08 | AR\AJ | Ok   |
| 46 | PEM         | PL091672.D | 11 Sep 2024 17:21 | AR\AJ | Ok   |
| 47 | PSTDCCC050  | PL091673.D | 11 Sep 2024 17:35 | AR\AJ | Ok,M |
| 48 | P3929-01    | PL091674.D | 11 Sep 2024 18:16 | AR\AJ | Ok,M |
| 49 | P3929-03    | PL091675.D | 11 Sep 2024 18:30 | AR\AJ | Ok,M |
| 50 | P3929-03MS  | PL091676.D | 11 Sep 2024 18:43 | AR\AJ | Ok,M |
| 51 | P3929-03MSD | PL091677.D | 11 Sep 2024 18:57 | AR\AJ | Ok,M |
| 52 | P3930-01    | PL091678.D | 11 Sep 2024 19:10 | AR\AJ | Ok,M |
| 53 | P3930-02    | PL091679.D | 11 Sep 2024 19:23 | AR\AJ | Ok,M |
| 54 | I.BLK       | PL091680.D | 11 Sep 2024 19:37 | AR\AJ | Ok   |
| 55 | PSTDCCC050  | PL091681.D | 11 Sep 2024 19:50 | AR\AJ | Ok,M |

M : Manual Integration



Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092324**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 9/24/2024 9:27:05 AM               |
| Supervise By             | Ankita                                                                                  | Supervise On      | 9/24/2024 11:07:44 AM              |
| SubDirectory             | PL092324                                                                                | HP Acquire Method | HP Processing Method pl092324 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

| Sr# | SampleId      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PL091952.D     | 23 Sep 2024 10:38 | AR\AJ    | Ok     |
| 2   | I.BLK         | PL091953.D     | 23 Sep 2024 10:52 | AR\AJ    | Ok     |
| 3   | PEM           | PL091954.D     | 23 Sep 2024 11:05 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PL091955.D     | 23 Sep 2024 11:19 | AR\AJ    | Ok     |
| 5   | PSTDICC100    | PL091956.D     | 23 Sep 2024 11:32 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PL091957.D     | 23 Sep 2024 11:45 | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PL091958.D     | 23 Sep 2024 11:59 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PL091959.D     | 23 Sep 2024 12:12 | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PL091960.D     | 23 Sep 2024 12:26 | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PL091961.D     | 23 Sep 2024 12:39 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PL091962.D     | 23 Sep 2024 12:52 | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PL091963.D     | 23 Sep 2024 13:06 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PL091964.D     | 23 Sep 2024 13:19 | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PL091965.D     | 23 Sep 2024 13:33 | AR\AJ    | Ok     |
| 15  | PTOXICC1000   | PL091966.D     | 23 Sep 2024 13:46 | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PL091967.D     | 23 Sep 2024 13:59 | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PL091968.D     | 23 Sep 2024 14:13 | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PL091969.D     | 23 Sep 2024 14:26 | AR\AJ    | Ok     |
| 19  | PTOXICC100    | PL091970.D     | 23 Sep 2024 14:40 | AR\AJ    | Ok,M   |
| 20  | PSTDICV050    | PL091971.D     | 23 Sep 2024 14:53 | AR\AJ    | Ok     |
| 21  | PCHLORICV500  | PL091972.D     | 23 Sep 2024 15:20 | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092324**

| Review By                | Abdul                                                                                   | Review On         | 9/24/2024 9:27:05 AM               |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 9/24/2024 11:07:44 AM              |
| SubDirectory             | PL092324                                                                                | HP Acquire Method | HP Processing Method pl092324 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | PTOXICV500  | PL091973.D | 23 Sep 2024 15:47 | AR\AJ | Ok   |
| 23 | I.BLK       | PL091974.D | 23 Sep 2024 16:13 | AR\AJ | Ok   |
| 24 | PEM         | PL091975.D | 23 Sep 2024 16:27 | AR\AJ | Ok,M |
| 25 | PSTDCCC050  | PL091976.D | 23 Sep 2024 16:40 | AR\AJ | Ok,M |
| 26 | PB163572BL  | PL091977.D | 23 Sep 2024 16:54 | AR\AJ | Ok   |
| 27 | PB163572BS  | PL091978.D | 23 Sep 2024 17:07 | AR\AJ | Ok,M |
| 28 | P4103-02    | PL091979.D | 23 Sep 2024 17:20 | AR\AJ | Ok,M |
| 29 | P4103-02MS  | PL091980.D | 23 Sep 2024 17:34 | AR\AJ | Ok,M |
| 30 | P4103-02MSD | PL091981.D | 23 Sep 2024 17:47 | AR\AJ | Ok,M |
| 31 | P4103-05    | PL091982.D | 23 Sep 2024 18:01 | AR\AJ | Ok   |
| 32 | P4103-08    | PL091983.D | 23 Sep 2024 18:14 | AR\AJ | Ok,M |
| 33 | P4103-11    | PL091984.D | 23 Sep 2024 18:28 | AR\AJ | Ok,M |
| 34 | P4103-14    | PL091985.D | 23 Sep 2024 18:41 | AR\AJ | Ok,M |
| 35 | P4103-17    | PL091986.D | 23 Sep 2024 18:55 | AR\AJ | Ok,M |
| 36 | PB163511TB  | PL091987.D | 23 Sep 2024 19:08 | AR\AJ | Ok,M |
| 37 | I.BLK       | PL091988.D | 23 Sep 2024 19:21 | AR\AJ | Ok,M |
| 38 | PSTDCCC050  | PL091989.D | 23 Sep 2024 19:35 | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092424**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 9/25/2024 10:49:05 AM              |
| Supervise By             | Ankita                                                                                  | Supervise On      | 9/25/2024 2:18:21 PM               |
| SubDirectory             | PL092424                                                                                | HP Acquire Method | HP Processing Method pl092324 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | HEXANE       | PL091990.D     | 24 Sep 2024 09:15 | AR\AJ    | Ok       |
| 2   | I.BLK        | PL091991.D     | 24 Sep 2024 09:28 | AR\AJ    | Ok       |
| 3   | PEM          | PL091992.D     | 24 Sep 2024 09:41 | AR\AJ    | Ok,M     |
| 4   | PSTDCCC050   | PL091993.D     | 24 Sep 2024 09:55 | AR\AJ    | Ok,M     |
| 5   | PCHLORCCC500 | PL091994.D     | 24 Sep 2024 12:02 | AR\AJ    | Ok,M     |
| 6   | PTOXCCC500   | PL091995.D     | 24 Sep 2024 12:16 | AR\AJ    | Ok       |
| 7   | P3845-09     | PL091996.D     | 24 Sep 2024 12:35 | AR\AJ    | Dilution |
| 8   | P3845-11     | PL091997.D     | 24 Sep 2024 12:49 | AR\AJ    | Ok,M     |
| 9   | P3845-13     | PL091998.D     | 24 Sep 2024 13:02 | AR\AJ    | Dilution |
| 10  | P3845-09DL   | PL091999.D     | 24 Sep 2024 13:19 | AR\AJ    | Dilution |
| 11  | P3845-09DL2  | PL092000.D     | 24 Sep 2024 13:32 | AR\AJ    | Ok,M     |
| 12  | P3845-13DL   | PL092001.D     | 24 Sep 2024 13:54 | AR\AJ    | Ok,M     |
| 13  | I.BLK        | PL092002.D     | 24 Sep 2024 14:08 | AR\AJ    | Ok       |
| 14  | PSTDCCC050   | PL092003.D     | 24 Sep 2024 14:21 | AR\AJ    | Ok,M     |
| 15  | PCHLORCCC500 | PL092004.D     | 24 Sep 2024 14:35 | AR\AJ    | Ok       |
| 16  | PTOXCCC500   | PL092005.D     | 24 Sep 2024 14:48 | AR\AJ    | Ok       |
| 17  | PB163645BL   | PL092006.D     | 24 Sep 2024 15:01 | AR\AJ    | Ok       |
| 18  | PB163645BS   | PL092007.D     | 24 Sep 2024 15:32 | AR\AJ    | Not Ok   |
| 19  | P4149-13     | PL092008.D     | 24 Sep 2024 15:45 | AR\AJ    | Ok,M     |
| 20  | P4149-14     | PL092009.D     | 24 Sep 2024 15:59 | AR\AJ    | Dilution |
| 21  | P4149-15     | PL092010.D     | 24 Sep 2024 16:12 | AR\AJ    | Ok,M     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092424**

| Review By                | Abdul                                                                                   | Review On         | 9/25/2024 10:49:05 AM              |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 9/25/2024 2:18:21 PM               |
| SubDirectory             | PL092424                                                                                | HP Acquire Method | HP Processing Method pl092324 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |                      |       |      |
|----|-------------|------------|----------------------|-------|------|
| 22 | P4149-15MS  | PL092011.D | 24 Sep 2024 16:26    | AR\AJ | Ok,M |
| 23 | P4149-15MSD | PL092012.D | 24 Sep 2024 16:39    | AR\AJ | Ok,M |
| 24 | PB163645BS  | PL092013.D | 24 Sep 2024 16:52    | AR\AJ | Ok,M |
| 25 | I.BLK       | PL092014.D | 24 Sep 2024 17:06    | AR\AJ | Ok   |
| 26 | PSTDCCC050  | PL092015.D | 24 Sep 2024 17:19    | AR\AJ | Ok,M |
| 27 | P4142-01    | PL092016.D | 24 Sep 2024 05:46 pm | AR\AJ | Ok,M |
| 28 | P4146-01    | PL092017.D | 24 Sep 2024 18:00    | AR\AJ | Ok,M |
| 29 | P4148-01    | PL092018.D | 24 Sep 2024 18:13    | AR\AJ | Ok,M |
| 30 | P4150-01    | PL092019.D | 24 Sep 2024 18:27    | AR\AJ | Ok   |
| 31 | I.BLK       | PL092020.D | 24 Sep 2024 18:40    | AR\AJ | Ok   |
| 32 | PSTDCCC050  | PL092021.D | 24 Sep 2024 19:20    | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL090924**

|              |          |                   |                       |
|--------------|----------|-------------------|-----------------------|
| Review By    | Abdul    | Review On         | 9/11/2024 11:44:26 AM |
| Supervise By | Ankita   | Supervise On      | 9/11/2024 1:52:24 PM  |
| SubDirectory | PL090924 | HP Acquire Method | HP Processing Method  |
|              |          |                   | pl090924 8081         |

| STD. NAME                | STD REF.#                                                                       |
|--------------------------|---------------------------------------------------------------------------------|
| Tune/Reschk              | PP23282,PP23517                                                                 |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |
| CCC                      | PP23484,PP23489,PP23494                                                         |
| Internal Standard/PEM    |                                                                                 |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |
| Surrogate Standard       |                                                                                 |
| MS/MSD Standard          |                                                                                 |
| LCS Standard             |                                                                                 |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PL091567.D     | 09 Sep 2024 10:14 |         | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PL091568.D     | 09 Sep 2024 14:50 |         | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PL091569.D     | 09 Sep 2024 15:03 |         | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PL091570.D     | 09 Sep 2024 15:17 |         | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PSTDICC100    | PL091571.D     | 09 Sep 2024 15:31 |         | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PL091572.D     | 09 Sep 2024 15:44 |         | AR\AJ    | Ok,M   |
| 7   | PSTDICC050    | PSTDICC050    | PL091573.D     | 09 Sep 2024 15:58 |         | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PL091574.D     | 09 Sep 2024 16:11 |         | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PSTDICC005    | PL091575.D     | 09 Sep 2024 16:25 |         | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PL091576.D     | 09 Sep 2024 16:39 |         | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PL091577.D     | 09 Sep 2024 16:52 |         | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PCHLORICC500  | PL091578.D     | 09 Sep 2024 17:06 |         | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PL091579.D     | 09 Sep 2024 17:19 |         | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PCHLORICC050  | PL091580.D     | 09 Sep 2024 17:33 |         | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PTOXICC1000   | PL091581.D     | 09 Sep 2024 17:47 |         | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PTOXICC750    | PL091582.D     | 09 Sep 2024 18:01 |         | AR\AJ    | Ok,M   |
| 17  | PTOXICC500    | PTOXICC500    | PL091583.D     | 09 Sep 2024 18:14 |         | AR\AJ    | Ok,M   |
| 18  | PTOXICC250    | PTOXICC250    | PL091584.D     | 09 Sep 2024 18:28 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL090924**

|                          |                                                                                 |                   |                                    |
|--------------------------|---------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                           | Review On         | 9/11/2024 11:44:26 AM              |
| Supervise By             | Ankita                                                                          | Supervise On      | 9/11/2024 1:52:24 PM               |
| SubDirectory             | PL090924                                                                        | HP Acquire Method | HP Processing Method pl090924 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                 |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                         |                   |                                    |
| Internal Standard/PEM    |                                                                                 |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |                   |                                    |
| Surrogate Standard       |                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                 |                   |                                    |
| LCS Standard             |                                                                                 |                   |                                    |

|    |              |             |            |                   |                                                                                         |       |        |
|----|--------------|-------------|------------|-------------------|-----------------------------------------------------------------------------------------|-------|--------|
| 19 | PTOXICC100   | PTOXICC100  | PL091585.D | 09 Sep 2024 18:42 |                                                                                         | AR\AJ | Ok,M   |
| 20 | PSTDICV050   | ICVPL090924 | PL091586.D | 09 Sep 2024 18:56 |                                                                                         | AR\AJ | Ok,M   |
| 21 | PCHLORICV500 | ICVPL090924 | PL091587.D | 09 Sep 2024 19:10 |                                                                                         | AR\AJ | Ok     |
| 22 | PTOXICV500   | ICVPL090924 | PL091588.D | 09 Sep 2024 19:23 |                                                                                         | AR\AJ | Ok     |
| 23 | I.BLK        | I.BLK       | PL091589.D | 09 Sep 2024 19:37 | F flag coming in second column<br>tcmx, surrogate high in dcb and<br>tcmx in 1st column | AR\AJ | Not Ok |
| 24 | PEM          | PEM         | PL091590.D | 09 Sep 2024 19:51 |                                                                                         | AR\AJ | Ok,M   |
| 25 | PSTDCCC050   | PSTDCCC050  | PL091591.D | 09 Sep 2024 20:05 |                                                                                         | AR\AJ | Ok,M   |
| 26 | PB163178BS   | PB163178BS  | PL091592.D | 09 Sep 2024 20:18 |                                                                                         | AR\AJ | Not Ok |
| 27 | P3861-01     | DN-B-37     | PL091593.D | 09 Sep 2024 20:32 |                                                                                         | AR\AJ | Not Ok |
| 28 | PB163218BL   | PB163218BL  | PL091594.D | 09 Sep 2024 20:46 |                                                                                         | AR\AJ | Not Ok |
| 29 | PB163218BS   | PB163218BS  | PL091595.D | 09 Sep 2024 21:00 |                                                                                         | AR\AJ | Not Ok |
| 30 | P3888-01     | DN-B-36     | PL091596.D | 09 Sep 2024 21:13 | need 2x dilution                                                                        | AR\AJ | Not Ok |
| 31 | P3888-02     | DN-W-02     | PL091597.D | 09 Sep 2024 21:27 |                                                                                         | AR\AJ | Not Ok |
| 32 | P3888-02MS   | DN-W-02MS   | PL091598.D | 09 Sep 2024 21:41 |                                                                                         | AR\AJ | Not Ok |
| 33 | P3888-02MSD  | DN-W-02MSD  | PL091599.D | 09 Sep 2024 21:55 |                                                                                         | AR\AJ | Not Ok |
| 34 | P3892-02     | ARS20-005   | PL091600.D | 09 Sep 2024 22:08 | typo P3892-01                                                                           | AR\AJ | Not Ok |
| 35 | I.BLK        | I.BLK       | PL091601.D | 09 Sep 2024 22:22 | TCMX HIGH in both column                                                                | AR\AJ | Ok,M   |
| 36 | PSTDCCC050   | PSTDCCC050  | PL091602.D | 09 Sep 2024 22:36 |                                                                                         | AR\AJ | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091024**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 9/11/2024 9:23:53 AM               |
| Supervise By | Ankita   | Supervise On      | 9/12/2024 11:58:50 AM              |
| SubDirectory | PL091024 | HP Acquire Method | HP Processing Method p1090924 8081 |

| STD. NAME                | STD REF.#                                                                       |
|--------------------------|---------------------------------------------------------------------------------|
| Tune/Reschk              | PP23282,PP23517                                                                 |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |
| CCC                      | PP23484,PP23489,PP23494                                                         |
| Internal Standard/PEM    |                                                                                 |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |
| Surrogate Standard       |                                                                                 |
| MS/MSD Standard          |                                                                                 |
| LCS Standard             |                                                                                 |

| Sr# | SampleId     | ClientID     | Data File Name | Date-Time         | Comment       | Operator | Status |
|-----|--------------|--------------|----------------|-------------------|---------------|----------|--------|
| 1   | HEXANE       | HEXANE       | PL091603.D     | 10 Sep 2024 10:43 |               | AR\AJ    | Ok     |
| 2   | I.BLK        | I.BLK        | PL091604.D     | 10 Sep 2024 10:57 |               | AR\AJ    | Ok     |
| 3   | PEM          | PEM          | PL091605.D     | 10 Sep 2024 11:10 |               | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050   | PSTDCCC050   | PL091606.D     | 10 Sep 2024 11:24 |               | AR\AJ    | Ok,M   |
| 5   | PCHLORCCC500 | PCHLORCCC500 | PL091607.D     | 10 Sep 2024 11:56 |               | AR\AJ    | Ok,M   |
| 6   | PTOXCCC500   | PTOXCCC500   | PL091608.D     | 10 Sep 2024 12:12 |               | AR\AJ    | Ok,M   |
| 7   | PB163178BS   | PB163178BS   | PL091609.D     | 10 Sep 2024 12:26 |               | AR\AJ    | Ok,M   |
| 8   | PB163229BL   | PB163229BL   | PL091610.D     | 10 Sep 2024 12:40 |               | AR\AJ    | Ok     |
| 9   | PB163229BS   | PB163229BS   | PL091611.D     | 10 Sep 2024 12:57 |               | AR\AJ    | Ok,M   |
| 10  | PB163229BSD  | PB163229BSD  | PL091612.D     | 10 Sep 2024 13:11 | Recovery fail | AR\AJ    | Not Ok |
| 11  | P3845-09     | PT-PEST-WP   | PL091613.D     | 10 Sep 2024 13:25 | not used      | AR\AJ    | Not Ok |
| 12  | P3853-01     | 252805       | PL091614.D     | 10 Sep 2024 13:38 |               | AR\AJ    | Ok     |
| 13  | PB163230BL   | PB163230BL   | PL091615.D     | 10 Sep 2024 13:52 |               | AR\AJ    | Ok     |
| 14  | PB163230BS   | PB163230BS   | PL091616.D     | 10 Sep 2024 15:02 | Recovery fail | AR\AJ    | Not Ok |
| 15  | P3845-11     | PT-CHLR-WP   | PL091617.D     | 10 Sep 2024 15:16 | not used      | AR\AJ    | Not Ok |
| 16  | PB163231BL   | PB163231BL   | PL091618.D     | 10 Sep 2024 15:29 |               | AR\AJ    | Ok     |
| 17  | PB163231BS   | PB163231BS   | PL091619.D     | 10 Sep 2024 15:43 |               | AR\AJ    | Ok     |
| 18  | P3845-13     | PT-TXP-WP    | PL091620.D     | 10 Sep 2024 15:57 | not used      | AR\AJ    | Not Ok |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091024**

|                          |                                                                                 |                   |                                    |
|--------------------------|---------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                           | Review On         | 9/11/2024 9:23:53 AM               |
| Supervise By             | Ankita                                                                          | Supervise On      | 9/12/2024 11:58:50 AM              |
| SubDirectory             | PL091024                                                                        | HP Acquire Method | HP Processing Method pl090924 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                 |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                         |                   |                                    |
| Internal Standard/PEM    |                                                                                 |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                         |                   |                                    |
| Surrogate Standard       |                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                 |                   |                                    |
| LCS Standard             |                                                                                 |                   |                                    |

|    |              |              |            |                   |               |       |        |
|----|--------------|--------------|------------|-------------------|---------------|-------|--------|
| 19 | P3845-13DL   | PT-TXP-WPDL  | PL091621.D | 10 Sep 2024 16:23 | not used      | AR\AJ | Not Ok |
| 20 | P3845-13DL2  | PT-TXP-WPDL2 | PL091622.D | 10 Sep 2024 16:43 | Not required. | AR\AJ | Not Ok |
| 21 | I.BLK        | I.BLK        | PL091623.D | 10 Sep 2024 16:56 |               | AR\AJ | Ok     |
| 22 | PSTDCCC050   | PSTDCCC050   | PL091624.D | 10 Sep 2024 17:10 |               | AR\AJ | Ok,M   |
| 23 | PCHLORCCC500 | PCHLORCCC500 | PL091625.D | 10 Sep 2024 17:24 |               | AR\AJ | Ok,M   |
| 24 | PTOXCCC500   | PTOXCCC500   | PL091626.D | 10 Sep 2024 17:54 |               | AR\AJ | Ok,M   |

M : Manual Integration



Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091124**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 9/11/2024 9:41:19 AM               |
| Supervise By | Ankita   | Supervise On      | 9/12/2024 1:33:13 PM               |
| SubDirectory | PL091124 | HP Acquire Method | HP Processing Method p1080524 8081 |

| STD. NAME                | STD REF.#                                                                        |
|--------------------------|----------------------------------------------------------------------------------|
| Tune/Reschk              | PP23282,PP23517                                                                  |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |
| CCC                      | PP23484,PP23489,PP23494                                                          |
| Internal Standard/PEM    |                                                                                  |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                          |
| Surrogate Standard       |                                                                                  |
| MS/MSD Standard          |                                                                                  |
| LCS Standard             |                                                                                  |

| Sr# | Sampleld    | ClientID         | Data File Name | Date-Time         | Comment            | Operator | Status   |
|-----|-------------|------------------|----------------|-------------------|--------------------|----------|----------|
| 1   | HEXANE      | HEXANE           | PL091627.D     | 11 Sep 2024 03:04 |                    | AR\AJ    | Ok       |
| 2   | I.BLK       | I.BLK            | PL091628.D     | 11 Sep 2024 03:18 |                    | AR\AJ    | Ok       |
| 3   | PEM         | PEM              | PL091629.D     | 11 Sep 2024 03:31 |                    | AR\AJ    | Ok,M     |
| 4   | PSTDCCC050  | PSTDCCC050       | PL091630.D     | 11 Sep 2024 04:13 |                    | AR\AJ    | Ok,M     |
| 5   | P3845-09DL  | PT-PEST-WPDL     | PL091631.D     | 11 Sep 2024 04:26 | will be reanalyzed | AR\AJ    | Not Ok   |
| 6   | P3861-01    | DN-B-37          | PL091632.D     | 11 Sep 2024 04:40 |                    | AR\AJ    | Ok,M     |
| 7   | PB163218BL  | PB163218BL       | PL091633.D     | 11 Sep 2024 04:54 |                    | AR\AJ    | Ok       |
| 8   | PB163218BS  | PB163218BS       | PL091634.D     | 11 Sep 2024 05:08 | Recovery fail      | AR\AJ    | Not Ok   |
| 9   | P3888-01    | DN-B-36          | PL091635.D     | 11 Sep 2024 05:21 | need 2x dilution   | AR\AJ    | Dilution |
| 10  | P3888-02    | DN-W-02          | PL091636.D     | 11 Sep 2024 05:35 |                    | AR\AJ    | Ok,M     |
| 11  | P3888-02DL  | DN-W-02DL        | PL091637.D     | 11 Sep 2024 05:49 | not required       | AR\AJ    | Not Ok   |
| 12  | P3888-02MS  | DN-W-02MS        | PL091638.D     | 11 Sep 2024 06:02 |                    | AR\AJ    | Ok,M     |
| 13  | P3888-02MSD | DN-W-02MSD       | PL091639.D     | 11 Sep 2024 06:16 |                    | AR\AJ    | Ok,M     |
| 14  | P3892-01    | ARS20-005        | PL091640.D     | 11 Sep 2024 06:30 |                    | AR\AJ    | Ok,M     |
| 15  | PB163261BL  | PB163261BL       | PL091641.D     | 11 Sep 2024 08:09 |                    | AR\AJ    | Ok,M     |
| 16  | PB163261BS  | PB163261BS       | PL091642.D     | 11 Sep 2024 09:10 |                    | AR\AJ    | Ok,M     |
| 17  | P3872-02    | WC-W-07-202409   | PL091643.D     | 11 Sep 2024 09:23 |                    | AR\AJ    | Ok       |
| 18  | P3872-02MS  | WC-W-07-202409MS | PL091644.D     | 11 Sep 2024 09:37 |                    | AR\AJ    | Ok,M     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091124**

|                          |                                                                                  |                   |                                    |
|--------------------------|----------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                            | Review On         | 9/11/2024 9:41:19 AM               |
| Supervise By             | Ankita                                                                           | Supervise On      | 9/12/2024 1:33:13 PM               |
| SubDirectory             | PL091124                                                                         | HP Acquire Method | HP Processing Method pl080524 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                 |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                  |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                          |                   |                                    |
| Internal Standard/PEM    |                                                                                  |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                          |                   |                                    |
| Surrogate Standard       |                                                                                  |                   |                                    |
| MS/MSD Standard          |                                                                                  |                   |                                    |
| LCS Standard             |                                                                                  |                   |                                    |

|    |             |                   |            |                   |                                                                |       |          |
|----|-------------|-------------------|------------|-------------------|----------------------------------------------------------------|-------|----------|
| 19 | P3872-02MSD | WC-W-07-202409MSD | PL091645.D | 11 Sep 2024 09:51 |                                                                | AR\AJ | Ok,M     |
| 20 | P3845-09DL  | PT-PEST-WPDL      | PL091646.D | 11 Sep 2024 10:05 | TCMX high in both column,F flag coming , Need further dilution | AR\AJ | Not Ok   |
| 21 | P3905-06    | COMP-1            | PL091647.D | 11 Sep 2024 10:18 |                                                                | AR\AJ | Ok       |
| 22 | PB163203TB  | PB163203TB        | PL091648.D | 11 Sep 2024 10:32 |                                                                | AR\AJ | Ok       |
| 23 | PB163205TB  | PB163205TB        | PL091649.D | 11 Sep 2024 10:45 |                                                                | AR\AJ | Ok       |
| 24 | I.BLK       | I.BLK             | PL091650.D | 11 Sep 2024 10:59 |                                                                | AR\AJ | Ok       |
| 25 | PSTDCCC050  | PSTDCCC050        | PL091651.D | 11 Sep 2024 11:31 |                                                                | AR\AJ | Ok,M     |
| 26 | PB163256BL  | PB163256BL        | PL091652.D | 11 Sep 2024 12:05 |                                                                | AR\AJ | Ok       |
| 27 | PB163256BS  | PB163256BS        | PL091653.D | 11 Sep 2024 12:19 |                                                                | AR\AJ | Ok,M     |
| 28 | PB163229BSD | PB163229BSD       | PL091654.D | 11 Sep 2024 13:13 |                                                                | AR\AJ | Ok,M     |
| 29 | P3906-01    | SU-701-COMP-01    | PL091655.D | 11 Sep 2024 13:27 |                                                                | AR\AJ | Ok,NS    |
| 30 | P3906-07    | SU-701-COMP-02    | PL091656.D | 11 Sep 2024 13:41 |                                                                | AR\AJ | Ok,M     |
| 31 | P3906-13    | SU-701-COMP-03    | PL091657.D | 11 Sep 2024 13:55 | need 10x dilution                                              | AR\AJ | Dilution |
| 32 | P3907-01    | PL-701-COMP-54    | PL091658.D | 11 Sep 2024 14:08 |                                                                | AR\AJ | Ok,M     |
| 33 | P3907-07    | PL-701-COMP-55    | PL091659.D | 11 Sep 2024 14:22 |                                                                | AR\AJ | Ok,M     |
| 34 | P3916-01    | SU-04-090924      | PL091660.D | 11 Sep 2024 14:36 |                                                                | AR\AJ | Ok,M     |
| 35 | P3925-01    | NB-07091024       | PL091661.D | 11 Sep 2024 14:50 |                                                                | AR\AJ | Ok,M     |
| 36 | I.BLK       | I.BLK             | PL091662.D | 11 Sep 2024 15:04 |                                                                | AR\AJ | Ok,M     |
| 37 | PSTDCCC050  | PSTDCCC050        | PL091663.D | 11 Sep 2024 15:17 |                                                                | AR\AJ | Ok,M     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL091124**

| Review By                | Abdul                                                                            | Review On         | 9/11/2024 9:41:19 AM               |
|--------------------------|----------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                           | Supervise On      | 9/12/2024 1:33:13 PM               |
| SubDirectory             | PL091124                                                                         | HP Acquire Method | HP Processing Method pl080524 8081 |
| STD. NAME                | STD REF.#                                                                        |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                  |                   |                                    |
| Initial Calibration Stds | PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482 |                   |                                    |
| CCC                      | PP23484,PP23489,PP23494                                                          |                   |                                    |
| Internal Standard/PEM    |                                                                                  |                   |                                    |
| ICV/I.BLK                | PP23487,PP23497,PP23498                                                          |                   |                                    |
| Surrogate Standard       |                                                                                  |                   |                                    |
| MS/MSD Standard          |                                                                                  |                   |                                    |
| LCS Standard             |                                                                                  |                   |                                    |

|    |             |             |            |                   |                  |       |        |
|----|-------------|-------------|------------|-------------------|------------------|-------|--------|
| 38 | PB163290BL  | PB163290BL  | PL091664.D | 11 Sep 2024 15:31 | Out of tune time | AR\AJ | Not Ok |
| 39 | PB163290BS  | PB163290BS  | PL091665.D | 11 Sep 2024 15:45 | Out of tune time | AR\AJ | Not Ok |
| 40 | P3917-01    | DN-B-35     | PL091666.D | 11 Sep 2024 15:59 | Out of tune time | AR\AJ | Not Ok |
| 41 | P3905-01    | TP-3A       | PL091667.D | 11 Sep 2024 16:13 | Out of tune time | AR\AJ | Not Ok |
| 42 | P3905-05    | COMP-1      | PL091668.D | 11 Sep 2024 16:26 | Out of tune time | AR\AJ | Not Ok |
| 43 | P3905-05MS  | COMP-1MS    | PL091669.D | 11 Sep 2024 16:40 | Out of tune time | AR\AJ | Not Ok |
| 44 | P3905-05MSD | COMP-1MSD   | PL091670.D | 11 Sep 2024 16:54 | Out of tune time | AR\AJ | Not Ok |
| 45 | I.BLK       | I.BLK       | PL091671.D | 11 Sep 2024 17:08 |                  | AR\AJ | Ok     |
| 46 | PEM         | PEM         | PL091672.D | 11 Sep 2024 17:21 |                  | AR\AJ | Ok     |
| 47 | PSTDCCC050  | PSTDCCC050  | PL091673.D | 11 Sep 2024 17:35 |                  | AR\AJ | Ok,M   |
| 48 | P3929-01    | BIN-2       | PL091674.D | 11 Sep 2024 18:16 |                  | AR\AJ | Ok,M   |
| 49 | P3929-03    | 72-11930    | PL091675.D | 11 Sep 2024 18:30 |                  | AR\AJ | Ok,M   |
| 50 | P3929-03MS  | 72-11930MS  | PL091676.D | 11 Sep 2024 18:43 |                  | AR\AJ | Ok,M   |
| 51 | P3929-03MSD | 72-11930MSD | PL091677.D | 11 Sep 2024 18:57 |                  | AR\AJ | Ok,M   |
| 52 | P3930-01    | DN-B-33     | PL091678.D | 11 Sep 2024 19:10 |                  | AR\AJ | Ok,M   |
| 53 | P3930-02    | DN-B-34     | PL091679.D | 11 Sep 2024 19:23 |                  | AR\AJ | Ok,M   |
| 54 | I.BLK       | I.BLK       | PL091680.D | 11 Sep 2024 19:37 |                  | AR\AJ | Ok     |
| 55 | PSTDCCC050  | PSTDCCC050  | PL091681.D | 11 Sep 2024 19:50 |                  | AR\AJ | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092324**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 9/24/2024 9:27:05 AM               |
| Supervise By | Ankita   | Supervise On      | 9/24/2024 11:07:44 AM              |
| SubDirectory | PL092324 | HP Acquire Method | HP Processing Method pl092324 8081 |

| STD. NAME                | STD REF.#                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------|
| Tune/Reschk              | PP23282,PP23517                                                                         |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC                      | PP23686,PP23690,PP23695                                                                 |
| Internal Standard/PEM    |                                                                                         |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |
| Surrogate Standard       |                                                                                         |
| MS/MSD Standard          |                                                                                         |
| LCS Standard             |                                                                                         |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PL091952.D     | 23 Sep 2024 10:38 |         | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PL091953.D     | 23 Sep 2024 10:52 |         | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PL091954.D     | 23 Sep 2024 11:05 |         | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PL091955.D     | 23 Sep 2024 11:19 |         | AR\AJ    | Ok     |
| 5   | PSTDICC100    | PSTDICC100    | PL091956.D     | 23 Sep 2024 11:32 |         | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PL091957.D     | 23 Sep 2024 11:45 |         | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PSTDICC050    | PL091958.D     | 23 Sep 2024 11:59 |         | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PL091959.D     | 23 Sep 2024 12:12 |         | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PSTDICC005    | PL091960.D     | 23 Sep 2024 12:26 |         | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PL091961.D     | 23 Sep 2024 12:39 |         | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PL091962.D     | 23 Sep 2024 12:52 |         | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PCHLORICC500  | PL091963.D     | 23 Sep 2024 13:06 |         | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PL091964.D     | 23 Sep 2024 13:19 |         | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PCHLORICC050  | PL091965.D     | 23 Sep 2024 13:33 |         | AR\AJ    | Ok     |
| 15  | PTOXICC1000   | PTOXICC1000   | PL091966.D     | 23 Sep 2024 13:46 |         | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PTOXICC750    | PL091967.D     | 23 Sep 2024 13:59 |         | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PTOXICC500    | PL091968.D     | 23 Sep 2024 14:13 |         | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PTOXICC250    | PL091969.D     | 23 Sep 2024 14:26 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092324**

| Review By                | Abdul                                                                                   | Review On         | 9/24/2024 9:27:05 AM  |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|-----------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 9/24/2024 11:07:44 AM |
| SubDirectory             | PL092324                                                                                | HP Acquire Method | HP Processing Method  |
|                          |                                                                                         |                   | pl092324 8081         |
| STD. NAME                | STD REF.#                                                                               |                   |                       |
| Tune/Reschk              | PP23282,PP23517                                                                         |                   |                       |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                       |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                       |
| Internal Standard/PEM    |                                                                                         |                   |                       |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                       |
| Surrogate Standard       |                                                                                         |                   |                       |
| MS/MSD Standard          |                                                                                         |                   |                       |
| LCS Standard             |                                                                                         |                   |                       |

|    |              |                  |            |                   |                     |       |      |
|----|--------------|------------------|------------|-------------------|---------------------|-------|------|
| 19 | PTOXICC100   | PTOXICC100       | PL091970.D | 23 Sep 2024 14:40 |                     | AR\AJ | Ok,M |
| 20 | PSTDICV050   | ICVPL092324      | PL091971.D | 23 Sep 2024 14:53 |                     | AR\AJ | Ok   |
| 21 | PCHLORICV500 | ICVPL092324CHLOR | PL091972.D | 23 Sep 2024 15:20 |                     | AR\AJ | Ok   |
| 22 | PTOXICV500   | ICVPL092324TOX   | PL091973.D | 23 Sep 2024 15:47 |                     | AR\AJ | Ok   |
| 23 | I.BLK        | I.BLK            | PL091974.D | 23 Sep 2024 16:13 |                     | AR\AJ | Ok   |
| 24 | PEM          | PEM              | PL091975.D | 23 Sep 2024 16:27 |                     | AR\AJ | Ok,M |
| 25 | PSTDCCC050   | PSTDCCC050       | PL091976.D | 23 Sep 2024 16:40 |                     | AR\AJ | Ok,M |
| 26 | PB163572BL   | PB163572BL       | PL091977.D | 23 Sep 2024 16:54 |                     | AR\AJ | Ok   |
| 27 | PB163572BS   | PB163572BS       | PL091978.D | 23 Sep 2024 17:07 |                     | AR\AJ | Ok,M |
| 28 | P4103-02     | WC-22A           | PL091979.D | 23 Sep 2024 17:20 | TCMX low 1st column | AR\AJ | Ok,M |
| 29 | P4103-02MS   | WC-22AMS         | PL091980.D | 23 Sep 2024 17:34 | TCMX low 1st column | AR\AJ | Ok,M |
| 30 | P4103-02MSD  | WC-22AMSD        | PL091981.D | 23 Sep 2024 17:47 | TCMX low 1st column | AR\AJ | Ok,M |
| 31 | P4103-05     | WC-14-5-7.5A     | PL091982.D | 23 Sep 2024 18:01 |                     | AR\AJ | Ok   |
| 32 | P4103-08     | WC-14-5-7.5B     | PL091983.D | 23 Sep 2024 18:14 |                     | AR\AJ | Ok,M |
| 33 | P4103-11     | WC-14-7.5-10A    | PL091984.D | 23 Sep 2024 18:28 |                     | AR\AJ | Ok,M |
| 34 | P4103-14     | WC-14-7.5-10B    | PL091985.D | 23 Sep 2024 18:41 |                     | AR\AJ | Ok,M |
| 35 | P4103-17     | WC-23            | PL091986.D | 23 Sep 2024 18:55 |                     | AR\AJ | Ok,M |
| 36 | PB163511TB   | PB163511TB       | PL091987.D | 23 Sep 2024 19:08 |                     | AR\AJ | Ok,M |
| 37 | I.BLK        | I.BLK            | PL091988.D | 23 Sep 2024 19:21 |                     | AR\AJ | Ok,M |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092324**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 9/24/2024 9:27:05 AM               |
| Supervise By | Ankita   | Supervise On      | 9/24/2024 11:07:44 AM              |
| SubDirectory | PL092324 | HP Acquire Method | HP Processing Method pl092324 8081 |

| STD. NAME                | STD REF.#                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------|
| Tune/Reschk              | PP23282,PP23517                                                                         |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC                      | PP23686,PP23690,PP23695                                                                 |
| Internal Standard/PEM    |                                                                                         |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |
| Surrogate Standard       |                                                                                         |
| MS/MSD Standard          |                                                                                         |
| LCS Standard             |                                                                                         |

|    |            |            |            |                   |  |       |      |
|----|------------|------------|------------|-------------------|--|-------|------|
| 38 | PSTDCCC050 | PSTDCCC050 | PL091989.D | 23 Sep 2024 19:35 |  | ARIAJ | Ok,M |
|----|------------|------------|------------|-------------------|--|-------|------|

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092424**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 9/25/2024 10:49:05 AM              |
| Supervise By | Ankita   | Supervise On      | 9/25/2024 2:18:21 PM               |
| SubDirectory | PL092424 | HP Acquire Method | HP Processing Method p1092324 8081 |

| STD. NAME                | STD REF.#                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------|
| Tune/Reschk              | PP23282,PP23517                                                                         |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC                      | PP23686,PP23690,PP23695                                                                 |
| Internal Standard/PEM    |                                                                                         |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |
| Surrogate Standard       |                                                                                         |
| MS/MSD Standard          |                                                                                         |
| LCS Standard             |                                                                                         |

| Sr# | SampleID     | ClientID      | Data File Name | Date-Time         | Comment                                    | Operator | Status   |
|-----|--------------|---------------|----------------|-------------------|--------------------------------------------|----------|----------|
| 1   | HEXANE       | HEXANE        | PL091990.D     | 24 Sep 2024 09:15 |                                            | AR\AJ    | Ok       |
| 2   | I.BLK        | I.BLK         | PL091991.D     | 24 Sep 2024 09:28 |                                            | AR\AJ    | Ok       |
| 3   | PEM          | PEM           | PL091992.D     | 24 Sep 2024 09:41 |                                            | AR\AJ    | Ok,M     |
| 4   | PSTDCCC050   | PSTDCCC050    | PL091993.D     | 24 Sep 2024 09:55 |                                            | AR\AJ    | Ok,M     |
| 5   | PCHLORCCC500 | PCHLORCCC500  | PL091994.D     | 24 Sep 2024 12:02 |                                            | AR\AJ    | Ok,M     |
| 6   | PTOXCCC500   | PTOXCCC500    | PL091995.D     | 24 Sep 2024 12:16 |                                            | AR\AJ    | Ok       |
| 7   | P3845-09     | PT-PEST-WP    | PL091996.D     | 24 Sep 2024 12:35 | TCMX high in 1st column, Need dilution     | AR\AJ    | Dilution |
| 8   | P3845-11     | PT-CHLR-WP    | PL091997.D     | 24 Sep 2024 12:49 | TCMX high in 2nd column                    | AR\AJ    | Ok,M     |
| 9   | P3845-13     | PT-TXP-WP     | PL091998.D     | 24 Sep 2024 13:02 | Need Dilution                              | AR\AJ    | Dilution |
| 10  | P3845-09DL   | PT-PEST-WPDL  | PL091999.D     | 24 Sep 2024 13:19 | TCMX high in first column , need dilution. | AR\AJ    | Dilution |
| 11  | P3845-09DL2  | PT-PEST-WPDL2 | PL092000.D     | 24 Sep 2024 13:32 | TCMX high in first column                  | AR\AJ    | Ok,M     |
| 12  | P3845-13DL   | PT-TXP-WPDL   | PL092001.D     | 24 Sep 2024 13:54 |                                            | AR\AJ    | Ok,M     |
| 13  | I.BLK        | I.BLK         | PL092002.D     | 24 Sep 2024 14:08 |                                            | AR\AJ    | Ok       |
| 14  | PSTDCCC050   | PSTDCCC050    | PL092003.D     | 24 Sep 2024 14:21 |                                            | AR\AJ    | Ok,M     |
| 15  | PCHLORCCC500 | PCHLORCCC500  | PL092004.D     | 24 Sep 2024 14:35 |                                            | AR\AJ    | Ok       |
| 16  | PTOXCCC500   | PTOXCCC500    | PL092005.D     | 24 Sep 2024 14:48 |                                            | AR\AJ    | Ok       |
| 17  | PB163645BL   | PB163645BL    | PL092006.D     | 24 Sep 2024 15:01 |                                            | AR\AJ    | Ok       |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL092424**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 9/25/2024 10:49:05 AM              |
| Supervise By             | Ankita                                                                                  | Supervise On      | 9/25/2024 2:18:21 PM               |
| SubDirectory             | PL092424                                                                                | HP Acquire Method | HP Processing Method pl092324 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23282,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |                |            |                      |                            |       |          |
|----|-------------|----------------|------------|----------------------|----------------------------|-------|----------|
| 18 | PB163645BS  | PB163645BS     | PL092007.D | 24 Sep 2024 15:32    | Some compound Recovry fail | AR\AJ | Not Ok   |
| 19 | P4149-13    | COMP-6         | PL092008.D | 24 Sep 2024 15:45    |                            | AR\AJ | Ok,M     |
| 20 | P4149-14    | COMP-7         | PL092009.D | 24 Sep 2024 15:59    | Need dilution              | AR\AJ | Dilution |
| 21 | P4149-15    | COMP-8         | PL092010.D | 24 Sep 2024 16:12    |                            | AR\AJ | Ok,M     |
| 22 | P4149-15MS  | COMP-8MS       | PL092011.D | 24 Sep 2024 16:26    |                            | AR\AJ | Ok,M     |
| 23 | P4149-15MSD | COMP-8MSD      | PL092012.D | 24 Sep 2024 16:39    |                            | AR\AJ | Ok,M     |
| 24 | PB163645BS  | PB163645BS     | PL092013.D | 24 Sep 2024 16:52    |                            | AR\AJ | Ok,M     |
| 25 | I.BLK       | I.BLK          | PL092014.D | 24 Sep 2024 17:06    |                            | AR\AJ | Ok       |
| 26 | PSTDCCC050  | PSTDCCC050     | PL092015.D | 24 Sep 2024 17:19    |                            | AR\AJ | Ok,M     |
| 27 | P4142-01    | OR-02-09202024 | PL092016.D | 24 Sep 2024 05:46 pm |                            | AR\AJ | Ok,M     |
| 28 | P4146-01    | CL-02-092024   | PL092017.D | 24 Sep 2024 18:00    |                            | AR\AJ | Ok,M     |
| 29 | P4148-01    | STOCK-PILE     | PL092018.D | 24 Sep 2024 18:13    |                            | AR\AJ | Ok,M     |
| 30 | P4150-01    | OK-02-09132024 | PL092019.D | 24 Sep 2024 18:27    |                            | AR\AJ | Ok       |
| 31 | I.BLK       | I.BLK          | PL092020.D | 24 Sep 2024 18:40    |                            | AR\AJ | Ok       |
| 32 | PSTDCCC050  | PSTDCCC050     | PL092021.D | 24 Sep 2024 19:20    |                            | AR\AJ | Ok,M     |

M : Manual Integration



|                           |                                                                                                                                                                                                                      |                                |            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------|
| <b>SOP ID:</b>            | M3510C,3580A-Extraction Pesticide-16                                                                                                                                                                                 |                                |            |
| <b>Clean Up SOP #:</b>    | Florisil                                                                                                                                                                                                             | <b>Extraction Start Date :</b> | 09/09/2024 |
| <b>Matrix :</b>           | Water                                                                                                                                                                                                                | <b>Extraction Start Time :</b> | 10:10      |
| <b>Weigh By:</b>          | N/A                                                                                                                                                                                                                  | <b>Extraction By:</b>          | RS         |
| <b>Balance check:</b>     | N/A                                                                                                                                                                                                                  | <b>Extraction End Date :</b>   | 09/09/2024 |
| <b>Balance ID:</b>        | N/A                                                                                                                                                                                                                  | <b>Filter By:</b>              | RS         |
| <b>pH Strip Lot#:</b>     | E3574                                                                                                                                                                                                                | <b>Extraction End Time :</b>   | 15:10      |
|                           |                                                                                                                                                                                                                      | <b>Concentration By:</b>       | EH         |
|                           |                                                                                                                                                                                                                      | <b>Supervisor By :</b>         | rajesh     |
| <b>Extraction Method:</b> | <input checked="" type="checkbox"/> Separatory Funnel <input type="checkbox"/> Continuous Liquid/Liquid <input type="checkbox"/> Sonication <input type="checkbox"/> Waste Dilution <input type="checkbox"/> Soxhlet |                                |            |

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 500 PPB             | PP23512             |
| Surrogate     | 1.0ML    | 200 PPB             | PP23608             |
| 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            | E3790      |
| Baked Na2SO4       | N/A            | EP2532     |
| Hexane             | N/A            | E3789      |
| Florisil           | N/A            | E3713      |
| 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:**

40ML Vial Lot # 03-40BTS721.

|                             |              |                           |           |
|-----------------------------|--------------|---------------------------|-----------|
| <b>KD Bath ID:</b>          | WATER BATH-1 | <b>Envap ID:</b>          | NE VAP-02 |
| <b>KD Bath Temperature:</b> | 60 °C        | <b>Envap Temperature:</b> | 40 °C     |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 09/09/24    | RP (Epd. Tech)                          | Y-P-PestipCB.        |
| 18:15       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 09/09/2024

| Sample ID       | Client Sample ID | Test                | g / ml | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|---------------------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |                     |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB163229BL      | PBLK229          | Pesticide-TCL       | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | SEP-1       |
| PB163229BS      | PLCS229          | Pesticide-TCL       | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 2           |
| PB163229BS<br>D | PLCSD229         | Pesticide-TCL       | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 3           |
| P3845-09        | PT-PEST-WP       | PESTICIDE<br>Group1 | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 4           |
| P3853-01        | 252805           | Pesticide-TCL       | 1000   | 6  | RUPESH         | ritesh     | 10                 | 0     |          | 5           |

\* Extracts relinquished on the same date as received.

9/9/24

168229  
09/10/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p3845      WorkList ID : 183286      Department : Extraction      Date : 09-09-2024 10:03:18

| Sample   | Customer Sample | Matrix | Test             | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------------------|--------------|----------|-----------------------------|--------------|--------|
| P3845-09 | PT-PEST-WP      | Water  | PESTICIDE Group1 | Cool 4 deg C | CHEM02   | QA Of                       | 09/03/2024   | 8081B  |
| P3845-11 | PT-CHLR-WP      | Water  | PESTICIDE Group2 | Cool 4 deg C | CHEM02   | QA Of                       | 09/03/2024   | 8081B  |
| P3845-13 | PT-TXP-WP       | Water  | PESTICIDE Group3 | Cool 4 deg C | CHEM02   | QA Of                       | 09/03/2024   | 8081B  |
| P3853-01 | 252805          | Water  | Pesticide-TCL    | Cool 4 deg C | PSEG03   | H53                         | 09/05/2024   | 8081B  |

Date/Time 09/09/24 10:05  
Raw Sample Received by: RS (Det Lab)  
Raw Sample Relinquished by: RS (Det Lab)

Date/Time 09/09/24 10:25  
Raw Sample Received by: RS  
Raw Sample Relinquished by: RS (Det Lab)

## Prep Standard - Chemical Standard Summary

**Order ID :** P3845

**Test :** PESTICIDE Group1

**Prepbatch ID :** PB163229,

**Sequence ID/Qc Batch ID:** pl091024,PL091124,PL092424,

**Standard ID :**

EP2532,PP23215,PP23282,PP23472,PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,P  
P23481,PP23482,PP23484,PP23487,PP234876,PP23489,PP23494,PP23497,PP23498,PP23512,PP23517,PP23608,P  
P23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,P  
P23687,PP23690,PP23693,PP23695,PP23698,

**Chemical ID :**

E3551,E3713,E3735,E3762,E3766,E3770,E3772,E3789,E3790,E3792,P11065,P11145,P11146,P11815,P11895,P11896  
,P12599,P12810,P12812,P12814,P13035,P13036,P13039,P13244,P13349,P13358,P13359,P13402,P9051,



| <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="#">EP2532</a> | 08/30/2024       | 01/03/2025             | Rajesh Parikh      | Extraction_SC<br>ALE_2<br>(EX-SC-2) | None             | RUPESHKUMAR<br>SHAH<br>08/30/2024 |
| <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>       |
|-----------------------------------------------------------------------------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 84                                                                                      | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP23215</a> | 04/22/2024       | 10/22/2024             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>04/22/2024 |
| <b><u>FROM</u></b> 1.00000ml of P12810 + 9.00000ml of E3735 = 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="#">PP23282</a> | 04/22/2024       | 10/22/2024             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                       |                         |                  |                        |                    |                |                  | 04/22/2024           |

**FROM** 99.90000ml of E3735 + 0.10000ml of PP23215 = 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="#">PP23472</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                 |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 1.00000ml of P12812 + 9.00000ml of E3762 = 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> |
|------------------|-----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3629             | 20 PPM PEST stock Solution 1st source(RESTEK) | <a href="#">PP23473</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                               |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 1.00000ml of P11065 + 9.00000ml of E3762 = 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> |
|------------------|---------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1472             | 20 PPM Pest Stock Solution 2nd Source | <a href="#">PP23474</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                       |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 1.00000ml of P13035 + 9.00000ml of E3762 = 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> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1273             | 20 PPM Mirex Stock (Primary Source) | <a href="#">PP23475</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 0.20000ml of P9051 + 9.80000ml of E3762 = 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> |
|------------------|-------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3663             | 20 PPM MIREX Stock STD (Secondary source) | <a href="#">PP23476</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                           |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 0.20000ml of P11145 + 9.80000ml of E3762 = Final Quantity: 10.000 ml



[illegible][illegible]

## 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> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 386              | 1000/100 PPB Chlordane STD (Restek) | <a href="#">PP23479</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 0.10000ml of P11895 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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> |
|------------------|----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3746             | 1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE | <a href="#">PP23480</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                              |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 0.10000ml of P12599 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 383              | 1000/100 PPB Toxaphene STD (Restek) | <a href="#">PP23481</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 0.10000ml of P11815 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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> |
|------------------|------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3669             | 1000/100 PPB TOXAPHENE STD 2nd source (RESTEK) | <a href="#">PP23482</a> | 06/20/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                                |                         |                  |                        |                    |                |                  | 06/21/2024           |

**FROM** 0.10000ml of P13358 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3632             | 50 PPB ICAL PEST STD(RESTEK) | <a href="#">PP23484</a> | 06/24/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                              |                         |                  |                        |                    |                |                  | 06/24/2024           |

**FROM** 0.50000ml of E3762 + 0.50000ml of PP23477 = 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="#">PP23487</a> | 06/24/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                             |                         |                  |                        |                    |                |                  | 06/24/2024           |

**FROM** 0.50000ml of E3762 + 0.50000ml of PP23478 = 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> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 529              | CHLOR 500 PPB STD | <a href="#">PP23489</a> | 06/24/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                   |                         |                  |                        |                    |                |                  | 06/24/2024           |

**FROM** 0.50000ml of E3762 + 0.50000ml of PP23479 = 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> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 534              | TOX 500 PPB STD | <a href="#">PP23494</a> | 06/24/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                 |                         |                  |                        |                    |                |                  | 06/24/2024           |

**FROM** 0.50000ml of E3762 + 0.50000ml of PP23481 = 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="#">PP23497</a> | 06/24/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                       |                         |                  |                        |                    |                |                  | 06/24/2024           |

**FROM** 0.50000ml of E3762 + 0.50000ml of PP23480 = 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="#">PP23498</a> | 06/24/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                               |                         |                  |                        |                    |                |                  | 06/24/2024           |

**FROM** 0.50000ml of E3762 + 0.50000ml of PP23482 = 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="#">PP23512</a> | 07/05/2024       | 12/18/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 07/08/2024       |                                  |                         |                  |                        |                    |                |                  |                      |

**FROM** 95.00000ml of E3766 + 2.50000ml of PP23474 + 2.50000ml of PP23476 = 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> |
|------------------|-----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 4027             | Pesticide resolution Check Mixture 8081 | <a href="#">PP23517</a> | 07/12/2024       | 01/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 07/16/2024       |                                         |                         |                  |                        |                    |                |                  |                      |

**FROM** 1.00000ml of E3770 + 99.00000ml of P13244 = 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> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP23608</a> | 08/08/2024       | 02/01/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                  |                         |                  |                        |                    |                |                  | 08/08/2024           |

**FROM** 1.00000ml of P12814 + 999.00000ml of E3772 = Final Quantity: 1000.000 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="#">PP23673</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                 |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 1.00000ml of P13349 + 9.00000ml of E3792 = 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> |
|------------------|-----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3629             | 20 PPM PEST stock Solution 1st source(RESTEK) | <a href="#">PP23674</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                               |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 1.00000ml of P13036 + 9.00000ml of E3792 = 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> |
|------------------|---------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1472             | 20 PPM Pest Stock Solution 2nd Source | <a href="#">PP23675</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                       |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 1.00000ml of P13039 + 9.00000ml of E3792 = 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="#">PP23676</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |
| <b><u>FROM</u></b> 0.20000ml of P11146 + 9.80000ml of E3792 = 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>         |
|-----------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 3663                                                                                    | 20 PPM MIREX Stock STD<br>(Secondary source) | <a href="#">PP23677</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |
| <b><u>FROM</u></b> 0.20000ml of P11146 + 9.80000ml of E3792 = 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 std.1st Source(RESTEK) | <a href="#">PP23678</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |
| <b><u>FROM</u></b> 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = 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>         |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 80                                                                                                                                       | 100/100 PPB Pesticide Working Solution 2nd Source | <a href="#">PP23679</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |
| <b><u>FROM</u></b> 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = 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> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 386              | 1000/100 PPB Chlordane STD (Restek) | <a href="#">PP23680</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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> |
|------------------|----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3746             | 1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE | <a href="#">PP23681</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                              |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 383              | 1000/100 PPB Toxaphene STD (Restek) | <a href="#">PP23682</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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> |
|------------------|------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3669             | 1000/100 PPB TOXAPHENE STD 2nd source (RESTEK) | <a href="#">PP23683</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                                |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3632             | 50 PPB ICAL PEST STD(RESTEK) | <a href="#">PP23686</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                              |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23678 = 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="#">PP23687</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                             |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23679 = 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> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 529              | CHLOR 500 PPB STD | <a href="#">PP23690</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                   |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23680 = 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> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 532              | CHLOR 500 PPB ICV STD | <a href="#">PP23693</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                       |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23681 = 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="#">PP23695</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                 |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23682 = 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="#">PP23698</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                               |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml



## CHEMICAL RECEIPT LOG BOOK

| Supplier                    | ItemCode / ItemName                                    | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 01/03/2025      | 01/03/2024 / Rajesh     | 07/20/2023 / Rajesh         | E3551          |

| Supplier   | ItemCode / ItemName                             | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------|-------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| phenomenex | FS0006 / Cleanert SPE Silica, 1000 mg/6ml, 30PK | M06485 | 10/08/2024      | 04/08/2024 / Rajesh     | 03/08/2024 / Rajesh         | E3713          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 10/22/2024      | 04/22/2024 / Rajesh     | 04/19/2024 / Rajesh         | E3735          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 12/18/2024      | 06/18/2024 / Rajesh     | 06/17/2024 / Rajesh         | E3762          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 23H1462005 | 01/02/2025      | 07/02/2024 / Rajesh     | 07/01/2024 / Rajesh         | E3766          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 04/15/2025      | 07/12/2024 / Rajesh     | 07/02/2024 / Rajesh         | E3770          |

## CHEMICAL RECEIPT LOG BOOK

| 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) | 22L2862006 | 02/01/2025      | 08/01/2024 / Rajesh     | 07/19/2024 / Rajesh         | E3772          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 02/13/2025      | 08/13/2024 / Rajesh     | 08/13/2024 / Rajesh         | E3789          |

| 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) | 24G0862022 | 02/26/2025      | 08/26/2024 / Rajesh     | 08/07/2024 / Rajesh         | E3790          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/11/2025      | 09/12/2024 / Rajesh     | 09/11/2024 / Rajesh         | E3792          |

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0168439 | 12/20/2024      | 06/20/2024 / Abdul      | 09/29/2021 / Abdul          | P11065         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 102821 | 12/20/2024      | 06/20/2024 / Abdul      | 10/29/2021 / Abdul          | P11145         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 102821 | 03/21/2025      | 09/21/2024 / Abdul      | 10/29/2021 / Abdul          | P11146         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0177326 | 12/20/2024      | 06/20/2024 / Abdul      | 06/17/2022 / Ankita         | P11815         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0181737 | 12/20/2024      | 06/20/2024 / Abdul      | 06/17/2022 / Abdul          | P11895         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0181737 | 03/21/2025      | 09/21/2024 / Abdul      | 06/17/2022 / Abdul          | P11896         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0193299 | 12/20/2024      | 06/20/2024 / Abdul      | 07/03/2023 / Abdul          | P12599         |

| 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 | A0200112 | 10/22/2024      | 04/22/2024 / Ankita     | 09/25/2023 / Abdul          | P12810         |

## 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 | A0200112 | 12/20/2024      | 06/20/2024 / Abdul      | 09/25/2023 / Abdul          | P12812         |

| 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 | A0200112 | 02/08/2025      | 08/08/2024 / Abdul      | 09/25/2023 / Abdul          | P12814         |

| 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 | 12/20/2024      | 06/20/2024 / Abdul      | 12/26/2023 / Abdul          | P13035         |

| 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 | 03/21/2025      | 09/21/2024 / Abdul      | 12/26/2023 / Abdul          | P13036         |

| 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 | 03/21/2025      | 09/21/2024 / Abdul      | 12/26/2023 / Abdul          | P13039         |

| 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 | 01/12/2025      | 07/12/2024 / Abdul      | 02/09/2024 / Abdul          | P13244         |

## 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 | 03/21/2025      | 09/21/2024 / Abdul      | 04/22/2024 / Abdul          | P13349         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203830 | 12/20/2024      | 06/20/2024 / Abdul      | 05/03/2024 / Abdul          | P13358         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203830 | 03/21/2025      | 09/21/2024 / Abdul      | 05/03/2024 / Abdul          | P13359         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203038 | 03/21/2025      | 09/21/2024 / Abdul      | 05/15/2024 / Abdul          | P13402         |

| 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 | 12/20/2024      | 06/20/2024 / Abdul      | 11/01/2019 / Stephen        | P9051          |



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.:** 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

P12596  
↓  
P12602  
⑦  
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 | ---%   | 1,010.0 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:**

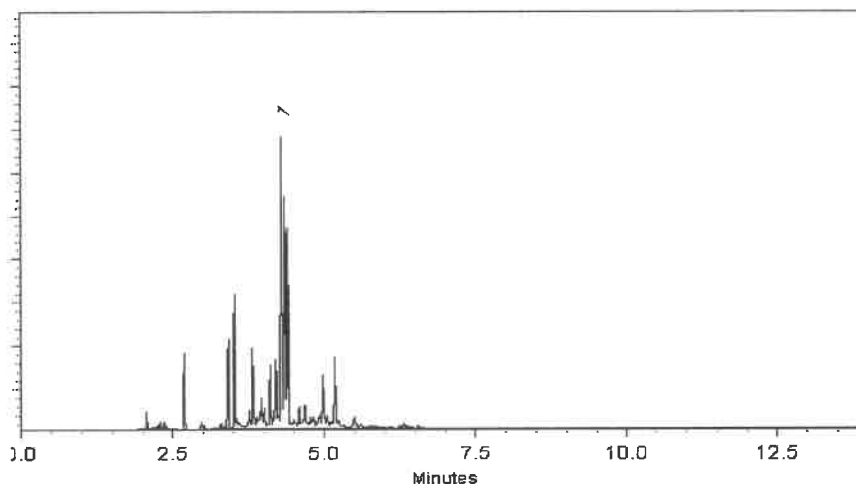
ECD

**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 - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

  
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



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.:** A0200112

**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, 2029 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 12806  
P 12815  
10  
W. R. AUF  
9/25/2023

### 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%    | 201.3 µg/mL                 | +/- 11.1676                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.5 µg/mL                 | +/- 11.1787                            |

\* 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:**

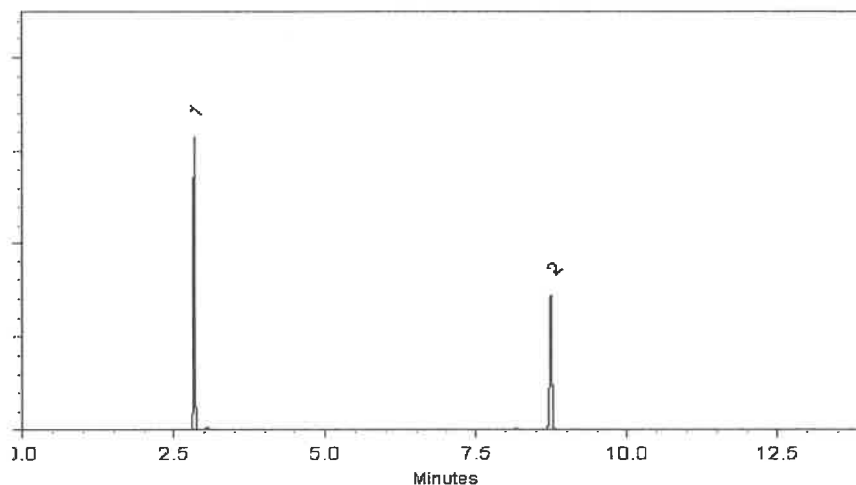
ECD

**Split Vent:**

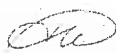
10 ml/min.

**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.

  
Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P12806 } (10)  
↓  
P12815  
1  
W. Stuef  
9/25/2023



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.:** A0200112

**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, 2029 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 12806  
P 12815 / 10  
W. R. AUF  
9/25/2023

### 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%    | 201.3 µg/mL                 | +/- 11.1676                            |
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200°C to 300°C  
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**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

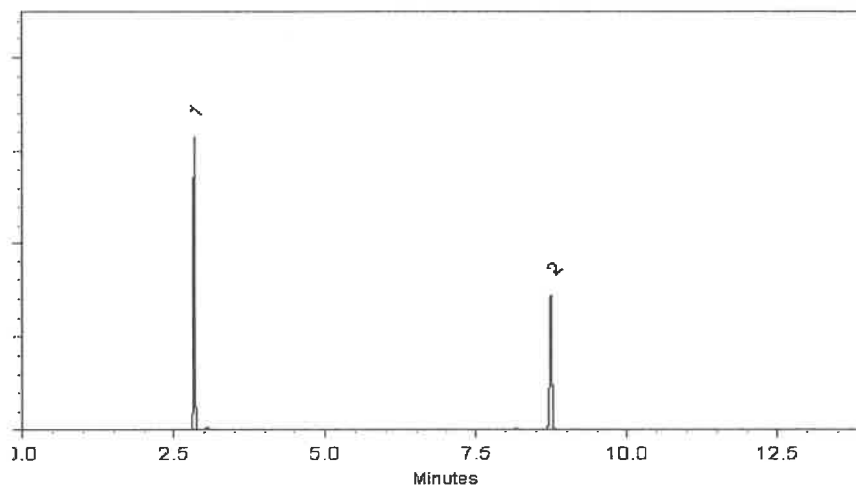
ECD

**Split Vent:**

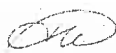
10 ml/min.

**Inj. Vol**

1µl



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Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P12806 } (10)  
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P12815  
/

  
9/25/2023



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Bellefonte, PA 16823-8812  
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



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P 12806  
P 12815  
10  
W. R. AUF  
9/25/2023

### CERTIFIED VALUES

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300°C

**Det. Type:**

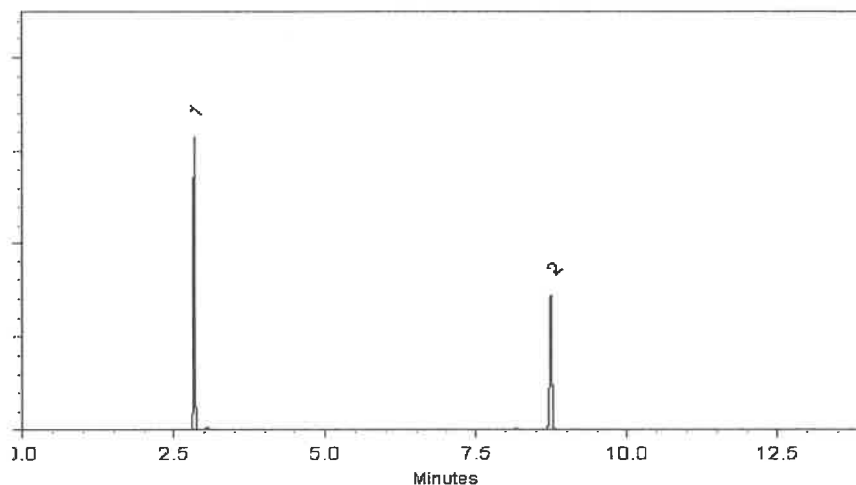
ECD

**Split Vent:**

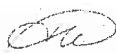
10 ml/min.

**Inj. Vol**

1µl



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Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P12806 } (10)  
↓  
P12815  
1  
W. Stuef  
9/25/2023



**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

Hexanes (95% n-hexane)  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9262-03  
Batch No.: 24C1862008  
Manufactured Date: 2024-01-30  
Expiration Date: 2025-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <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     | 0.4 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 4/19/24

E3735

Jamie Croak  
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

Avantor™



Material No.: 9262-03  
Batch No.: 24C1862008  
Manufactured Date: 2024-01-30  
Expiration Date: 2025-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <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     | 0.4 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 6/11/24

E 3762

Jamie Croak  
Director Quality Operations, Bioscience Production



Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

 avantor™



Material No.: 9254-03

Batch No.: 23H1462005

Manufactured Date: 2023-07-26

Expiration Date: 2026-07-25

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | ≥ 99.4 %      | 99.7 %      |
| Color (APHA)                                                            | ≤ 10          | 5           |
| Residue after Evaporation                                               | ≤ 1.0 ppm     | 0.3 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | ≤ 0.3         | 0.1         |
| Titration Base (μeq/g)                                                  | ≤ 0.6         | < 0.1       |
| Water (H <sub>2</sub> O)                                                | ≤ 0.5 %       | 0.3 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | ≤ 10          | 1           |

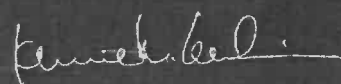
For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 07/01/24

E 3766



Ken Koehnlein  
Sr. Manager, Quality Assurance

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 23H1462005

Manufactured Date: 2023-07-26

Expiration Date: 2026-07-25

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | ≥ 99.4 %      | 99.7 %      |
| Color (APHA)                                                            | ≤ 10          | 5           |
| Residue after Evaporation                                               | ≤ 1.0 ppm     | 0.3 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | ≤ 0.3         | 0.1         |
| Titration Base (μeq/g)                                                  | ≤ 0.6         | < 0.1       |
| Water (H <sub>2</sub> O)                                                | ≤ 0.5 %       | 0.3 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | ≤ 10          | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein  
Sr. Manager, Quality Assurance

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 22L2862006  
Manufactured Date: 2022-12-19  
Expiration Date: 2025-12-18  
Revision No.: 0

## Certificate of Analysis

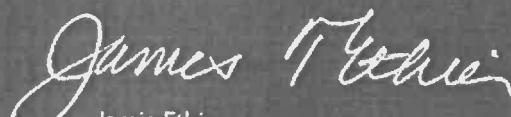
| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | ≥ 99.4 %      | 99.7 %      |
| 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         | 0.1         |
| Titration Base (μeq/g)                                                  | ≤ 0.6         | < 0.1       |
| Water (H <sub>2</sub> O)                                                | ≤ 0.5 %       | 0.3 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | ≤ 5           | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | ≤ 10          | 4           |

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 7/19/24

E3772

  
Jamie Ethier  
Vice President Global Quality

Material No.: 926  
Batch No.: 24C186  
Manufactured Date: 2024-0  
Expiration Date: 2025-0  
Revision N

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <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     | 0.4 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 8/13/24

E 3789



Jamie Croak  
Director Quality Operations, Bioscience Products

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087, U.S.A. Phone 610.386.1700

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)



Material No.: 9266-A4  
Batch No.: 24G0862022  
Manufactured Date: 2024-06-05  
Expiration Date: 2025-09-04  
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)                       | $\leq 10$              | 4        |
| Assay ( $\text{CH}_2\text{Cl}_2$ ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8 \%$         | 100.0 %  |
| Color (APHA)                                                                               | $\leq 10$              | 5        |
| Residue after Evaporation                                                                  | $\leq 1.0 \text{ ppm}$ | 0.3 ppm  |
| Titration Acid ( $\mu\text{eq/g}$ )                                                        | $\leq 0.3$             | < 0.1    |
| Chloride (Cl)                                                                              | $\leq 10 \text{ ppm}$  | < 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: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC  
Manufacturer source batch: MG24F05012

E 3790

Jamie Croak  
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

Avantor™



Material No.: 9262-03  
Batch No.: 24C1862008  
Manufactured Date: 2024-01-30  
Expiration Date: 2025-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <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     | 0.4 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 09/11/24

E 3192

Jamie Croak  
Director Quality Operations, Bioscience Production



CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

# Certificate of Analysis



## 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.: A0181737  
Description : Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : May 31, 2028 Storage: 10°C or colder  
Ship: Ambient

## CERTIFIED VALUES

| Elution Order | Compound                                                | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                       |
|---------------|---------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------|
| 1             | Chlordane<br>CAS # 57-74-9 (Lot 978545)<br>Purity ----% | 1,006.0 µg/mL               | +/- 5.9753 µg/mL Gravimetric<br>+/- 31.8975 µg/mL Unstressed<br>+/- 41.6615 µg/mL Stressed |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892  
↓  
P 11896  
5

06/17/2022

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

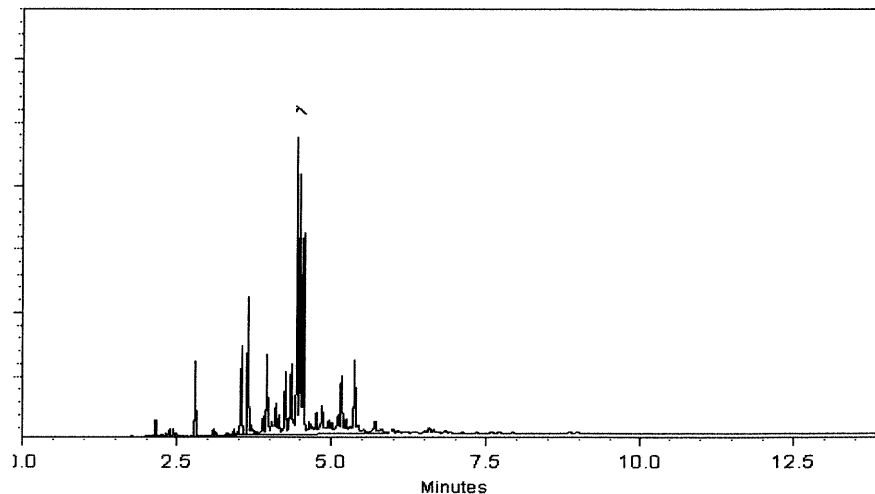
**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

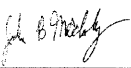
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

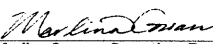


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Josh McCloskey - Operations Technician I

**Date Mixed:** 11-Feb-2022

**Balance:** B442140311

  
Marlene Cowan - Operations Tech I

**Date Passed:** 24-Feb-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 11892 / (5)  
P 11896 /

  
06/17/2022





CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

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## Certificate of Analysis



### 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.: A0181737  
Description: Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
Container Size: 2 mL Pkg Amt: > 1 mL  
Expiration Date: May 31, 2028 Storage: 10°C or colder  
Ship: Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                                | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                       |
|---------------|---------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------|
| 1             | Chlordane<br>CAS # 57-74-9 (Lot 978545)<br>Purity ----% | 1,006.0 µg/mL               | +/- 5.9753 µg/mL Gravimetric<br>+/- 31.8975 µg/mL Unstressed<br>+/- 41.6615 µg/mL Stressed |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

#### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892  
↓  
P 11896  
5

06/17/2022

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

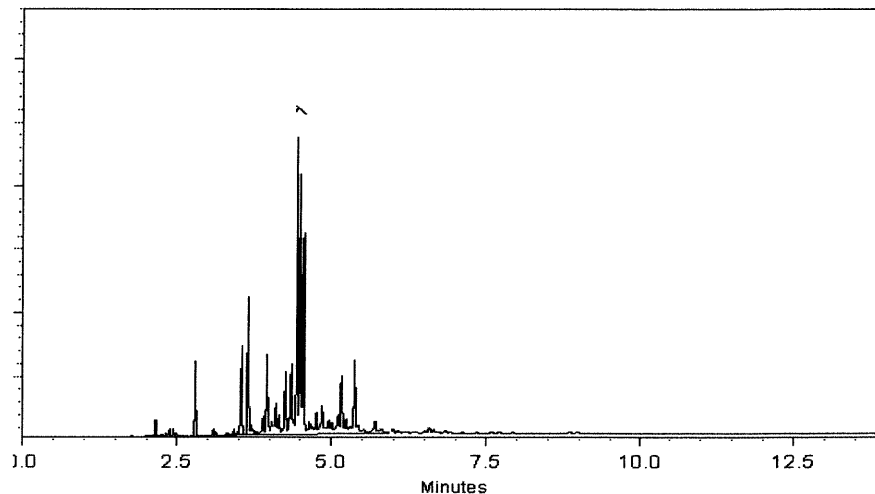
**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

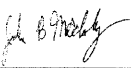
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

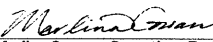


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Josh McCloskey - Operations Technician I

**Date Mixed:** 11-Feb-2022

**Balance:** B442140311

  
Marlene Cowan - Operations Tech I

**Date Passed:** 24-Feb-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 11892 / (5)  
P 11896 /

  
06/17/2022



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  
1  
JAW  
12/26/23

## 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.)

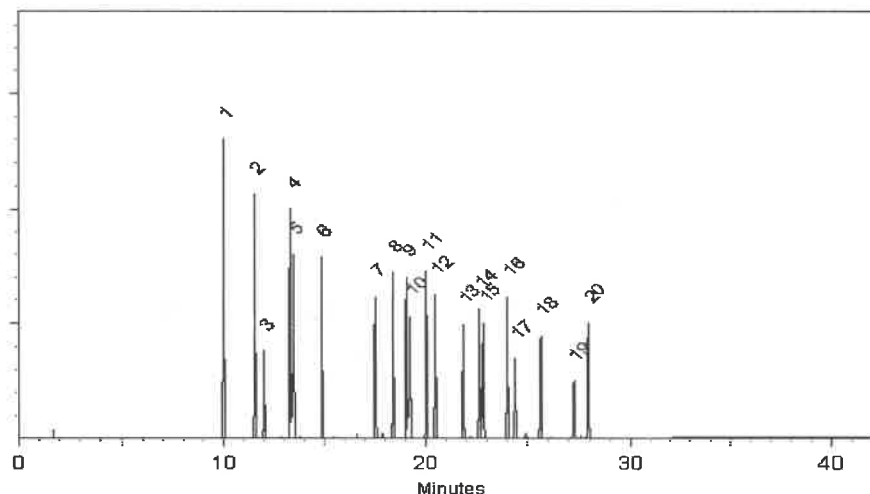
**Inj. Temp:**  
200°C

**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.

*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 REFERENCE MATERIAL**

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Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

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# Certificate of Analysis



**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.:** A0168439

**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 :** January 31, 2025 **Storage:** 10°C or colder

**Ship:** Ambient

P11061  
↓  
P11065  
AR  
9/30/2024

## CERTIFIED VALUES

| Elution Order | Compound                                                                      | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                      |                                       |
|---------------|-------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------|---------------------------------------|
| 1             | alpha-BHC<br>CAS # 319-84-6 (Lot 0012018BHC)<br>Purity 99%                    | 200.5 µg/mL                 | +/- 1.4217 µg/mL<br>+/- 9.1674 µg/mL<br>+/- 13.2104 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2             | gamma-BHC (Lindane)<br>CAS # 58-89-9 (Lot 10972000)<br>Purity 97%             | 200.8 µg/mL                 | +/- 1.4238 µg/mL<br>+/- 9.1807 µg/mL<br>+/- 13.2295 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3             | beta-BHC<br>CAS # 319-85-7 (Lot SL210106)<br>Purity 99%                       | 200.0 µg/mL                 | +/- 1.4182 µg/mL<br>+/- 9.1446 µg/mL<br>+/- 13.1774 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 4             | delta-BHC<br>CAS # 319-86-8 (Lot ER02101401)<br>Purity 98%                    | 199.9 µg/mL                 | +/- 1.4176 µg/mL<br>+/- 9.1409 µg/mL<br>+/- 13.1722 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 5             | Heptachlor<br>CAS # 76-44-8 (Lot 0006540595)<br>Purity 99%                    | 200.0 µg/mL                 | +/- 1.4182 µg/mL<br>+/- 9.1446 µg/mL<br>+/- 13.1774 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 6             | Aldrin<br>CAS # 309-00-2 (Lot 11129800)<br>Purity 97%                         | 199.8 µg/mL                 | +/- 1.4169 µg/mL<br>+/- 9.1363 µg/mL<br>+/- 13.1656 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 7             | Heptachlor epoxide (isomer B)<br>CAS # 1024-57-3 (Lot 10039000)<br>Purity 99% | 200.5 µg/mL                 | +/- 1.4217 µg/mL<br>+/- 9.1674 µg/mL<br>+/- 13.2104 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

|                                                                                               |                                                                   |                |             |                   |                             |                         |                                       |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|-------------|-------------------|-----------------------------|-------------------------|---------------------------------------|
| 8                                                                                             | trans-Chlordane<br><b>CAS #</b> 5103-74-2<br><b>Purity</b> 99%    | (Lot 32095)    | 200.5 µg/mL | +/-<br>+/-<br>+/- | 1.4217<br>9.1674<br>13.2104 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 9                                                                                             | cis-Chlordane<br><b>CAS #</b> 5103-71-9<br><b>Purity</b> 99%      | (Lot 31707)    | 200.0 µg/mL | +/-<br>+/-<br>+/- | 1.4182<br>9.1446<br>13.1774 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 10                                                                                            | Endosulfan I<br><b>CAS #</b> 959-98-8<br><b>Purity</b> 99%        | (Lot BCBS8631) | 200.5 µg/mL | +/-<br>+/-<br>+/- | 1.4217<br>9.1674<br>13.2104 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 11                                                                                            | 4,4'-DDE<br><b>CAS #</b> 72-55-9<br><b>Purity</b> 99%             | (Lot GHYQG)    | 200.0 µg/mL | +/-<br>+/-<br>+/- | 1.4182<br>9.1446<br>13.1774 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 12                                                                                            | Dieldrin<br><b>CAS #</b> 60-57-1<br><b>Purity</b> 98%             | (Lot 10714300) | 200.4 µg/mL | +/-<br>+/-<br>+/- | 1.4211<br>9.1633<br>13.2045 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 13                                                                                            | Endrin<br><b>CAS #</b> 72-20-8<br><b>Purity</b> 98%               | (Lot 11129700) | 199.9 µg/mL | +/-<br>+/-<br>+/- | 1.4176<br>9.1409<br>13.1722 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 14                                                                                            | 4,4'-DDD<br><b>CAS #</b> 72-54-8<br><b>Purity</b> 99%             | (Lot HAN02)    | 200.5 µg/mL | +/-<br>+/-<br>+/- | 1.4217<br>9.1674<br>13.2104 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 15                                                                                            | Endosulfan II<br><b>CAS #</b> 33213-65-9<br><b>Purity</b> 99%     | (Lot 11129400) | 201.0 µg/mL | +/-<br>+/-<br>+/- | 1.4253<br>9.1903<br>13.2433 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 16                                                                                            | 4,4'-DDT<br><b>CAS #</b> 50-29-3<br><b>Purity</b> 99%             | (Lot S37912V)  | 200.0 µg/mL | +/-<br>+/-<br>+/- | 1.4182<br>9.1446<br>13.1774 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 17                                                                                            | Endrin aldehyde<br><b>CAS #</b> 7421-93-4<br><b>Purity</b> 98%    | (Lot 30455)    | 200.9 µg/mL | +/-<br>+/-<br>+/- | 1.4245<br>9.1857<br>13.2367 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 18                                                                                            | Endosulfan sulfate<br><b>CAS #</b> 1031-07-8<br><b>Purity</b> 99% | (Lot BCCB0424) | 200.0 µg/mL | +/-<br>+/-<br>+/- | 1.4182<br>9.1446<br>13.1774 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 19                                                                                            | Methoxychlor<br><b>CAS #</b> 72-43-5<br><b>Purity</b> 97%         | (Lot 10720900) | 199.8 µg/mL | +/-<br>+/-<br>+/- | 1.4169<br>9.1363<br>13.1656 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 20                                                                                            | Endrin ketone<br><b>CAS #</b> 53494-70-5<br><b>Purity</b> 97%     | (Lot 11129600) | 199.8 µg/mL | +/-<br>+/-<br>+/- | 1.4169<br>9.1363<br>13.1656 | µg/mL<br>µg/mL<br>µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| <b>Solvent:</b> Hexane/Toluene (50:50)<br><b>CAS #</b> 110-54-3/108-88-3<br><b>Purity</b> 99% |                                                                   |                |             |                   |                             |                         |                                       |

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

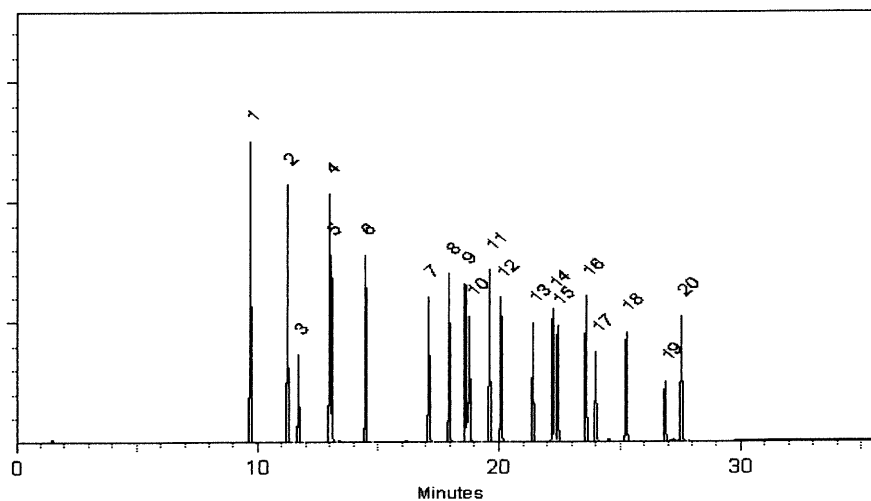
**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
150°C to 300°C  
@ 4°C/min. ( hold 5 min.)

**Inj. Temp:**  
200°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

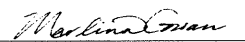


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Matt Fragassi - Mix Technician

Date Mixed: 25-Jan-2021

Balance: 1128342314

  
Marlene Cowan - Operations Tech I

Date Passed: 29-Jan-2021

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P11061  
↓  
P11065  
AR  
9/30/2021

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us) for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions                                          | Standard Conditions | Non-Standard Conditions |
|-----------------------------------------------------------|---------------------|-------------------------|
| 25°C Nominal (Room Temperature)                           | < 60°C              | ≥ 60°C up to 7 days     |
| 10°C or colder (Refrigerate)                              | < 40°C              | ≥ 40°C up to 7 days     |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C              | ≥ 25°C up to 7 days     |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us).
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

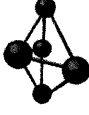
### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.





**Certified Reference Material CRM**



**CERTIFIED WEIGHT REPORT**

**Part Number:**  
**Lot Number:**  
**Description:**

**79136**  
**102821**  
**Mirex**

**Solvent(s):**  
**Lot#**  
**Acetone** **81025**

**Expiration Date:**  
**Recommended Storage:**  
**Nominal Concentration (µg/mL):**  
**NIST Test ID#:**

**102826**  
**Refrigerate (4 °C)**  
**1000**  
**6UTB**

**5E-05** **Balance Uncertainty**  
**0.006** **Flask Uncertainty**

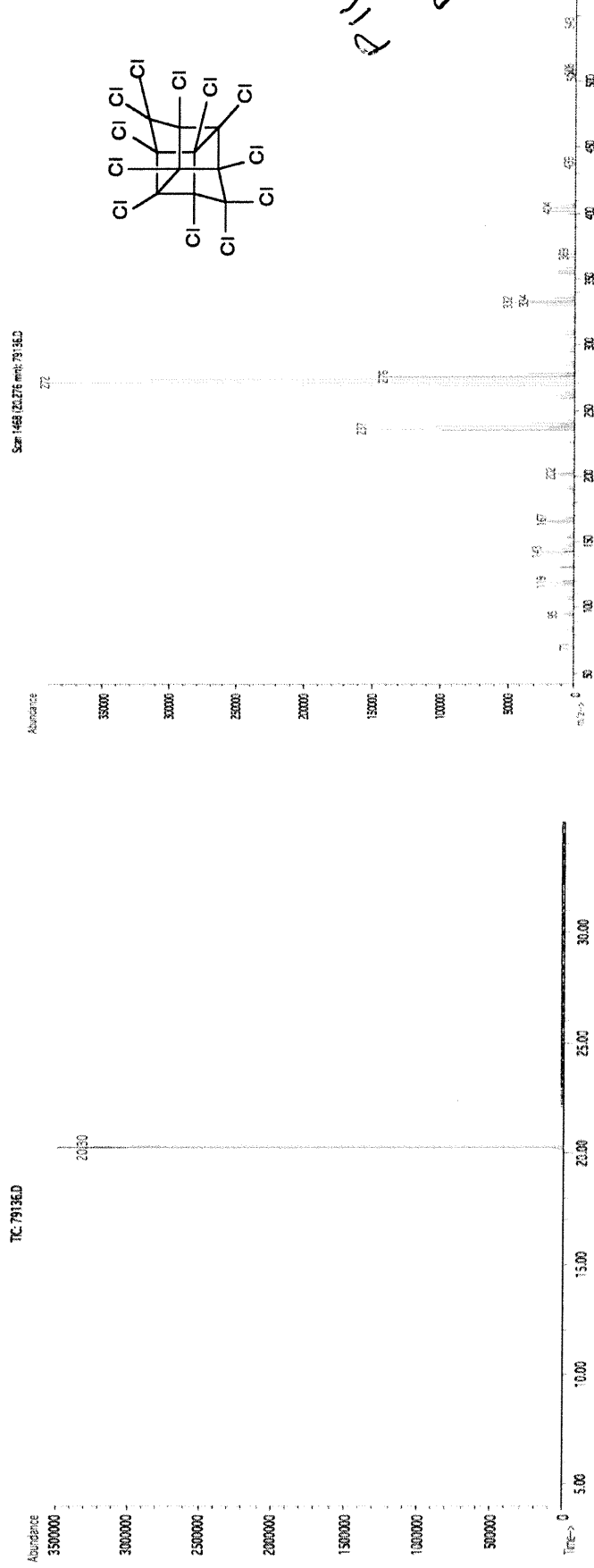
**Weight(s) shown below were combined and diluted to (mL):**

**50.0**

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded SDS Information  |                                        |                      |
|----------|-----|------------|----------------------|------------|-------------|-------------------|-------------------|---------------------|---------------------------|----------------------------------------|----------------------|
|          |     |            |                      |            |             |                   |                   |                     | Uncertainty (+/-) (µg/mL) | (Solvent Safety Info. On Attached pg.) | (SHA PEL (TWA) LD50) |

|          |     |         |      |      |     |         |         |        |      |           |     |                  |
|----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|------------------|
| 1. Mirex | 437 | 9492400 | 1000 | 99.4 | 0.5 | 0.05034 | 0.05039 | 1000.9 | 10.3 | 2385-85-5 | N/A | orl-rat 306mg/kg |
|----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|------------------|

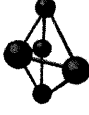
**Method GC7MSD-1.M:** Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- 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 (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



**Certified Reference Material CRM**



**CERTIFIED WEIGHT REPORT**

**Part Number:**  
**Lot Number:**  
**Description:**

**79136**  
**102821**  
**Mirex**

**Solvent(s):**  
**Lot#**  
**Acetone** **81025**

**Expiration Date:**  
**Recommended Storage:**  
**Nominal Concentration (µg/mL):**  
**NIST Test ID#:**

**102826**  
**Refrigerate (4 °C)**  
**1000**  
**6UTB**

**5E-05** **Balance Uncertainty**  
**0.006** **Flask Uncertainty**

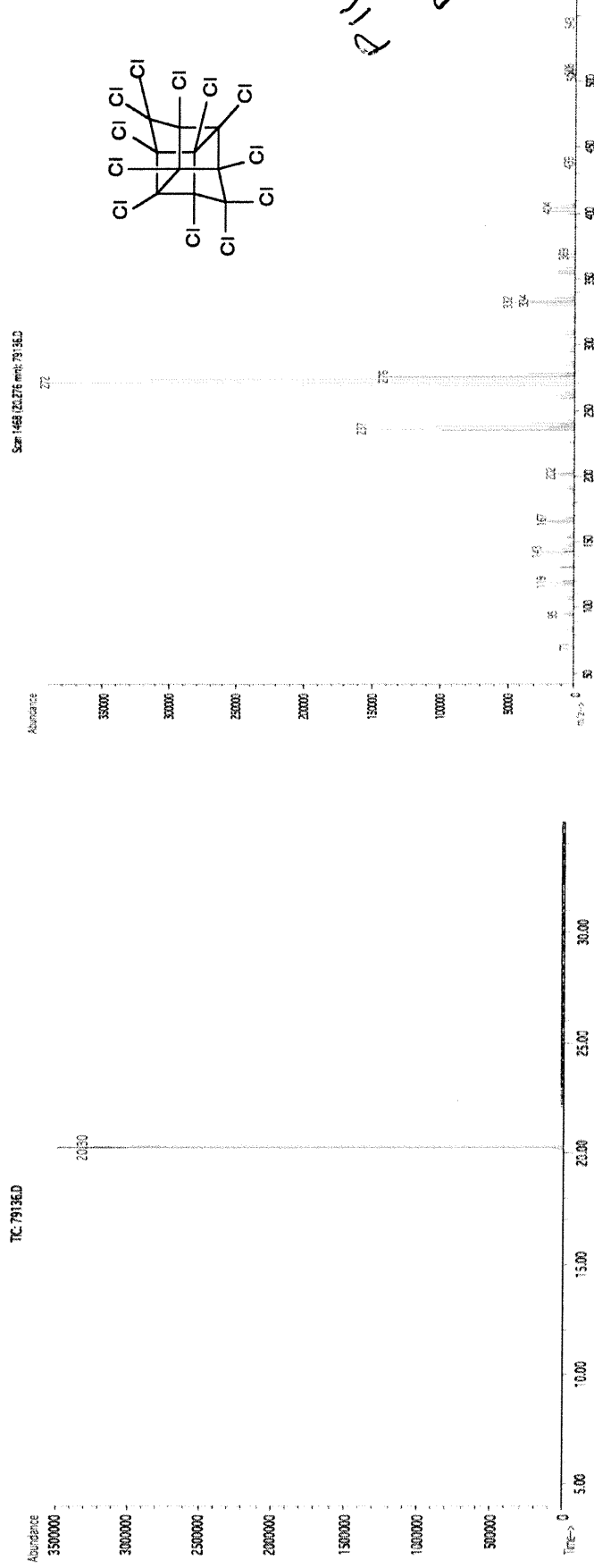
**Weight(s) shown below were combined and diluted to (mL):**

**50.0**

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded SDS Information  |                                        |                      |
|----------|-----|------------|----------------------|------------|-------------|-------------------|-------------------|---------------------|---------------------------|----------------------------------------|----------------------|
|          |     |            |                      |            |             |                   |                   |                     | Uncertainty (+/-) (µg/mL) | (Solvent Safety Info. On Attached pg.) | (SHA PEL (TWA) LD50) |

|          |     |         |      |      |     |         |         |        |      |           |     |                  |
|----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|------------------|
| 1. Mirex | 437 | 9492400 | 1000 | 99.4 | 0.5 | 0.05034 | 0.05039 | 1000.9 | 10.3 | 2385-85-5 | N/A | orl-rat 306mg/kg |
|----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|------------------|

**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 (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



110 Benner Circle  
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Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis



### 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.: A0177326  
Description : Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : January 31, 2026 Storage: 10°C or colder  
Ship: Ambient

P11811  
✓  
P11819  
AJ  
06/17/22

### CERTIFIED VALUES

| Elution Order | Compound                      | Grav. Conc.<br>(weight/volume) | Expanded Uncertainty<br>(95% C.L.; K=2) |
|---------------|-------------------------------|--------------------------------|-----------------------------------------|
| 1             | Toxaphene                     | 1,004.7 µg/mL                  | +/- 5.9674 µg/mL Gravimetric            |
|               | CAS # 8001-35-2 (Lot 1051817) |                                | +/- 31.8552 µg/mL Unstressed            |
|               | Purity ----%                  |                                | +/- 41.6063 µg/mL Stressed              |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. (hold 10 min.)

**Inj. Temp:**

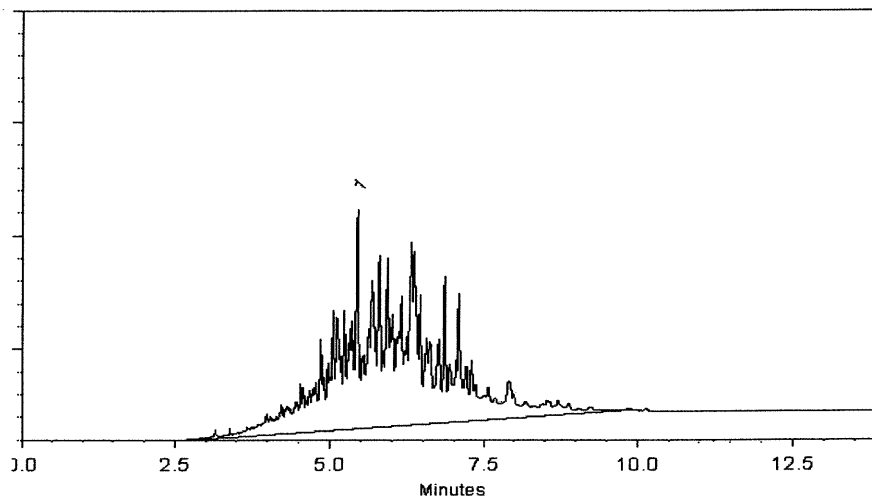
250°C

**Det. Temp:**

300°C

**Det. Type:**

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*

Sam Moodler - Operations Tech I

Date Mixed: 11-Oct-2021

Balance: B442140311

*Marlina Cowan*

Marlina Cowan - Operations Tech I

Date Passed: 14-Oct-2021

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us) for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions                                          | Standard Conditions | Non-Standard Conditions |
|-----------------------------------------------------------|---------------------|-------------------------|
| 25°C Nominal (Room Temperature)                           | < 60°C              | ≥ 60°C up to 7 days     |
| 10°C or colder (Refrigerate)                              | < 40°C              | ≥ 40°C up to 7 days     |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C              | ≥ 25°C up to 7 days     |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us).
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.





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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.)

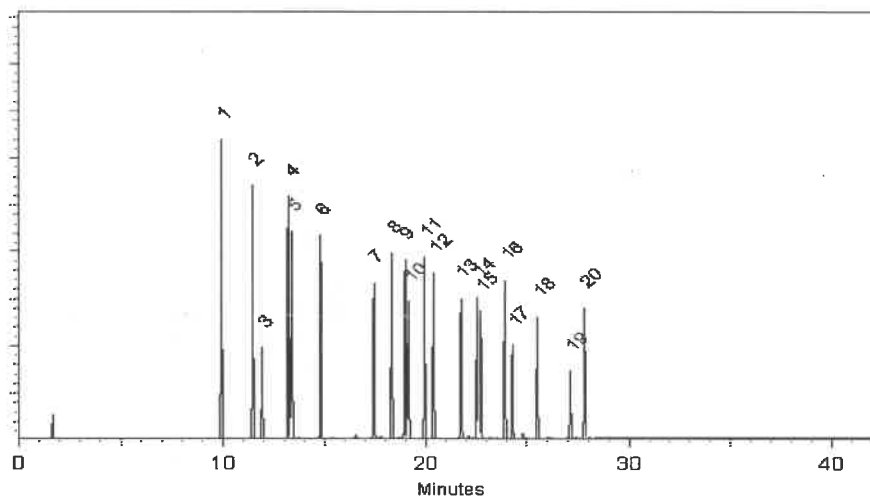
**Inj. Temp:**  
200°C

**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





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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. :** 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.)

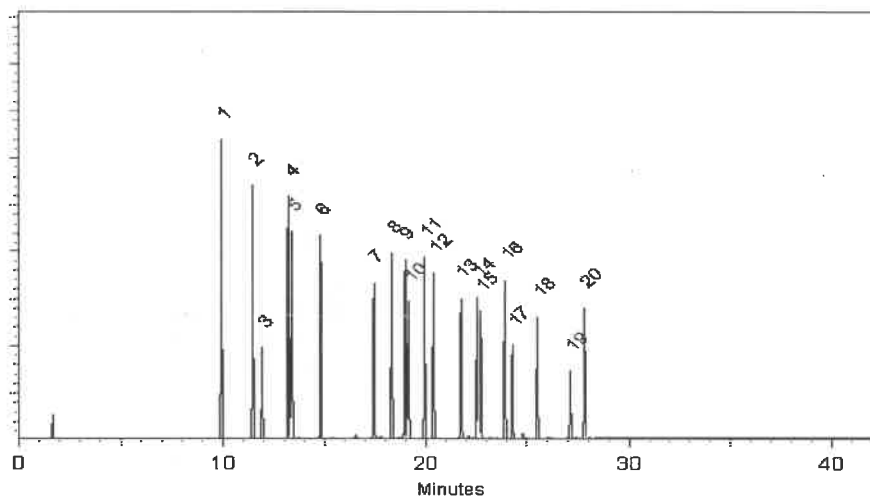
**Inj. Temp:**  
200°C

**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 - 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

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Hexane

273615

Recommended Storage:

Refrigerate (4 °C)

Toluene

28508

(50%)  
(50%)

Nominal Concentration (µg/mL):

Varied

NIST Test ID#:

6UTB

5E-05

Balance Uncertainty  
Pipet Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

0.021

|                                      |  |        |
|--------------------------------------|--|--------|
| Formulated By: <i>Lawrence Barry</i> |  | 013124 |
| Reviewed By: <i>Pedro L. Rentes</i>  |  | 013124 |
| DATE                                 |  | DATE   |

| Compound | Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Uncertainty (mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty (±) µg/mL | (Solvent Safety Info. On Attached pg.) | SDS Information | LD50 |
|----------|-------------|------------|-------------|-------------------|------------------|-----------------------|---------------------|--------------------------------|----------------------------------------|-----------------|------|
|----------|-------------|------------|-------------|-------------------|------------------|-----------------------|---------------------|--------------------------------|----------------------------------------|-----------------|------|

|                                 |       |        |       |      |       |        |      |      |            |                  |                   |
|---------------------------------|-------|--------|-------|------|-------|--------|------|------|------------|------------------|-------------------|
| 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 36300µg/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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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:**

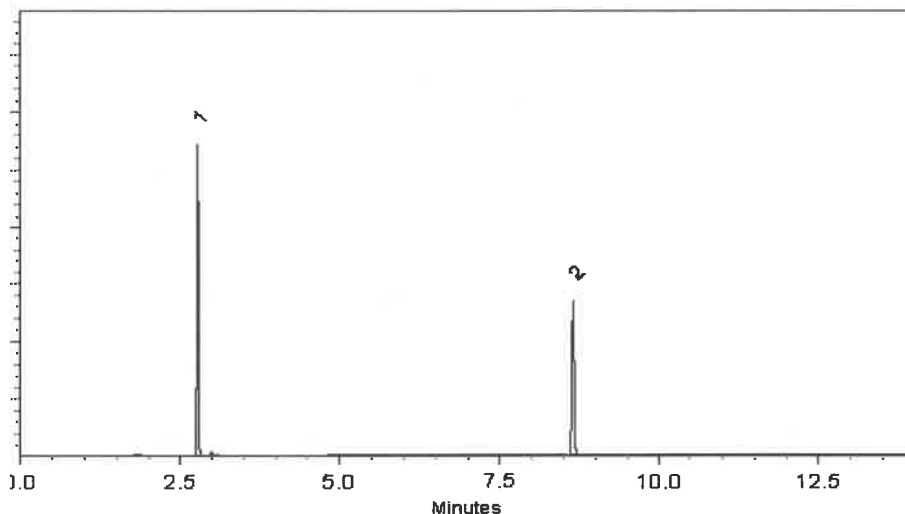
ECD

**Split Vent:**

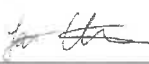
10 ml/min.

**Inj. Vol**

1µl

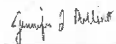


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

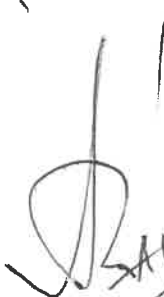
Balance Serial # 1128360905

  
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



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. :** 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

## 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%

P 13358  
↓  
P 13369  
(12)

✓  
05-06-2024



## 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:**

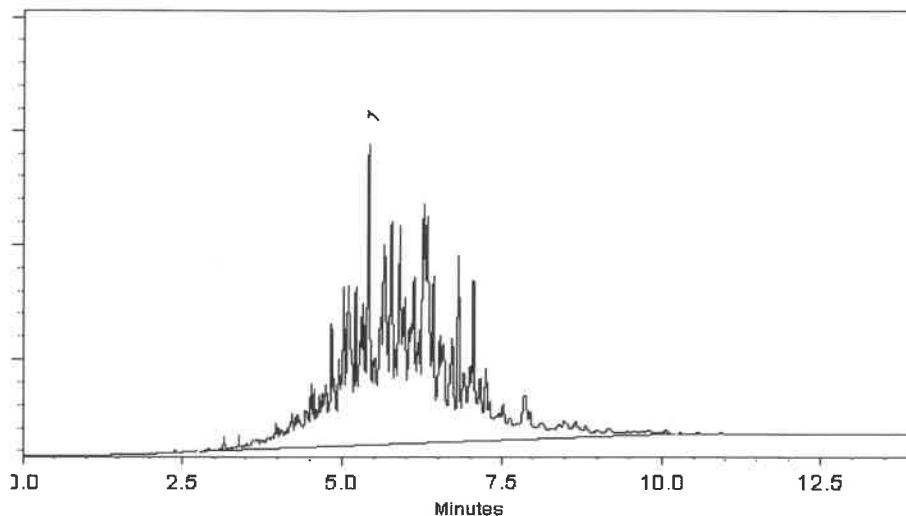
ECD

**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.

  
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

P13358  
↓  
P13369  
↓  
(12)

  
05-06-2024







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



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**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 | ----%  | 1,009.0 µg/mL               | +/- 55.9920                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

P 13358  
↓  
P 13369  
(12)

✓  
05-06-2024



## 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:**

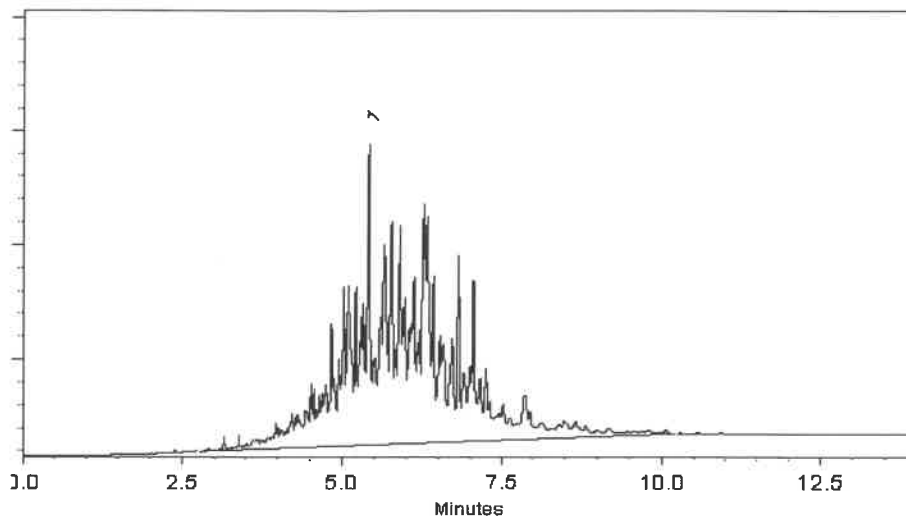
ECD

**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.

  
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

P13358  
↓  
P13369  
↓  
(12)

  
05-06-2024





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Bellefonte, PA 16823-8812  
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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:**

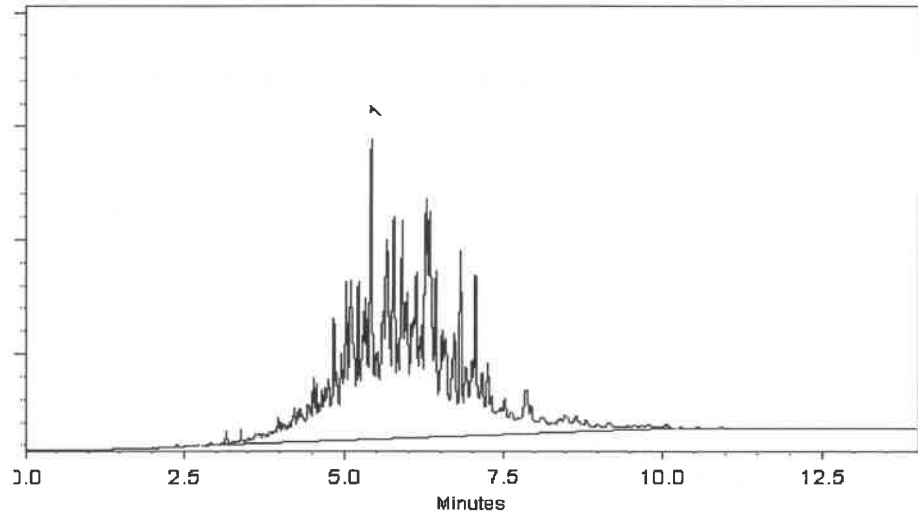
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl

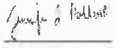


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

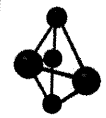
Balance Serial # 1128353505

  
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



CERTIFIED WEIGHT REPORT

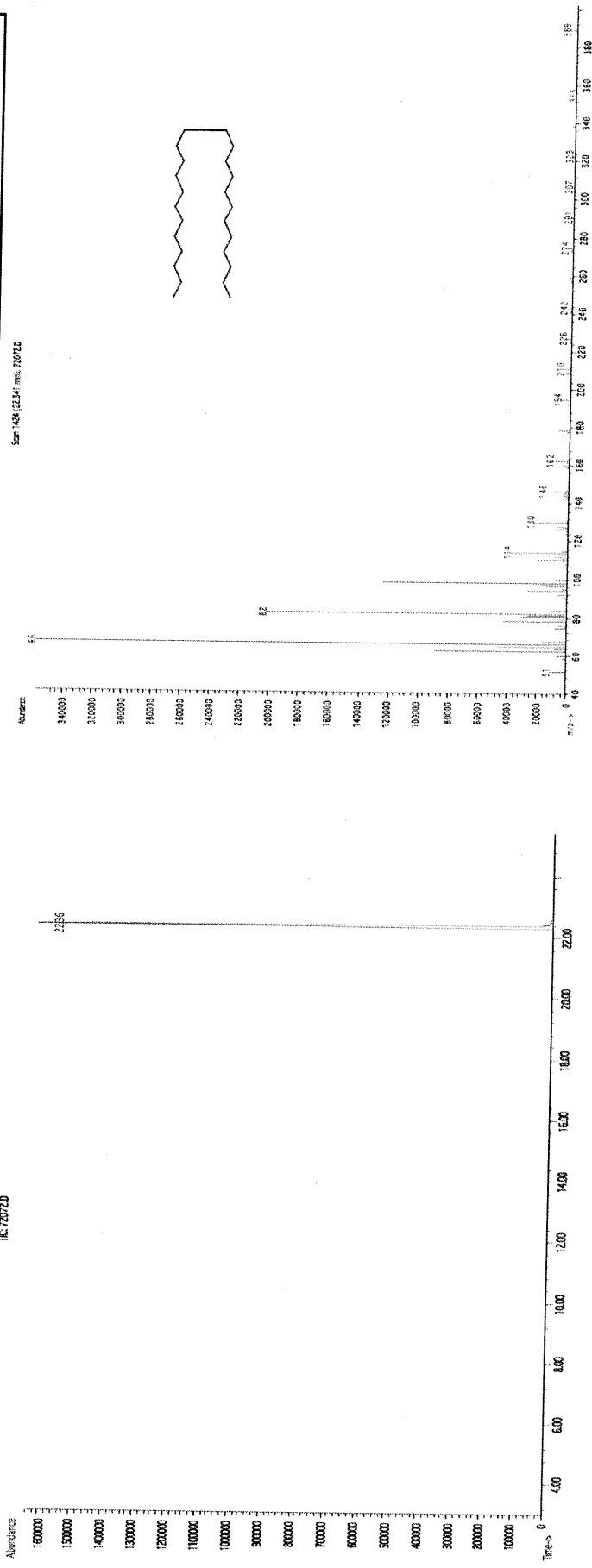
Part Number: **72072**  
Lot Number: **112018**  
Description: **n-Tetracosane-d50**  
  
Expiration Date: **112028**  
Recommended Storage: **Ambient (20 °C)**  
Nominal Concentration (µg/mL): **1000**  
NIST Test ID#: **2684186**  
  
Weight(s) shown below were combined and diluted to (mL):

Solvent(s): **Methylene chloride**  
Lot#: **102669**  
  
*Received by*  
*SG on 11/11/19*  
*p9044-p9053*  
5E-05 Balance Uncertainty  
0.058 Flask Uncertainty

Formulated By: *Prashant Chauhan* 112018  
DATE  
  
Reviewed By: *Pedro Rentas* 112018  
DATE

| 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

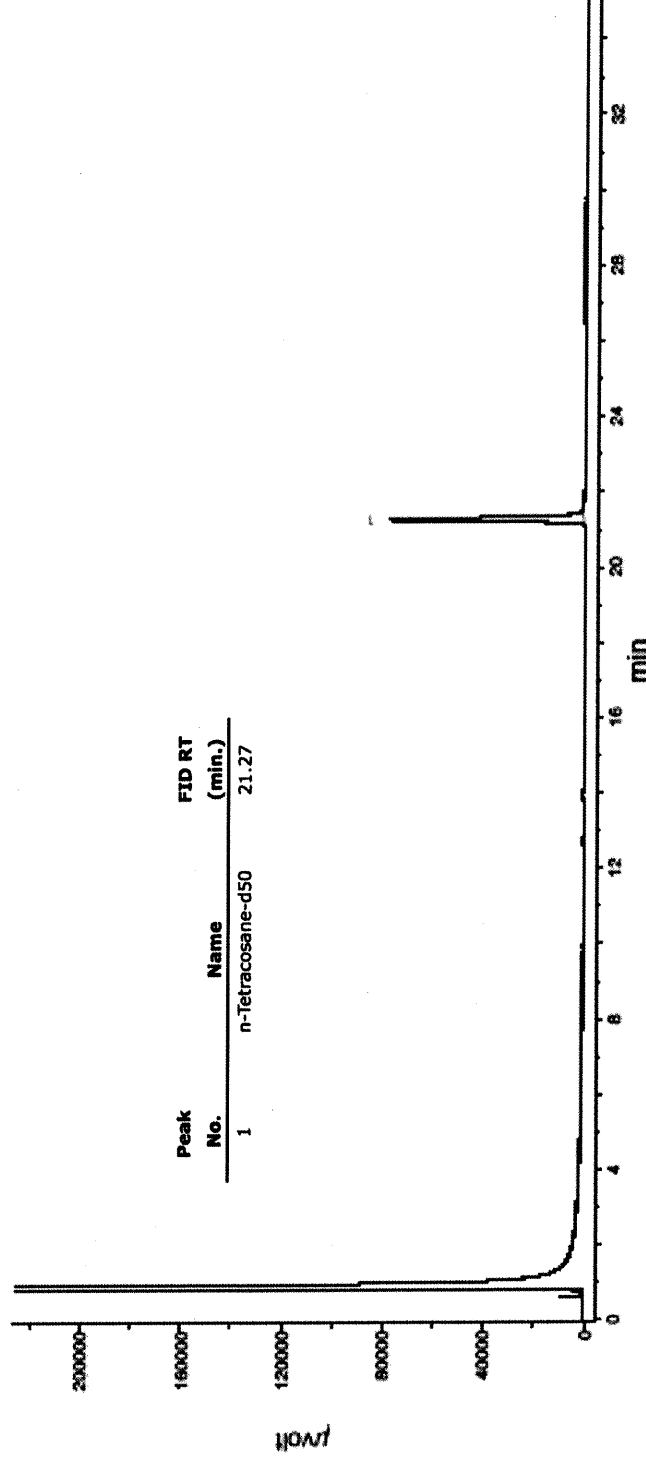
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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





# SHIPPING DOCUMENTS

# Packing List

6390 Joyce Dr., #100  
Golden, CO 80403

Tel: +1-303-940-0033  
Fax: +1-303-940-0043  
info@phenova.com  
www.phenova.com

For terms and conditions of your order, please visit:  
www.phenova.com/home/termsofsale

| Date       | Order # |
|------------|---------|
| 09/03/2024 | 318988  |



## Ship To

Chemtech - NJ  
ATTN: Sohil Jodhani  
284 Sheffield St., #1  
Mountainside, NJ 07092  
USA

Received by: SJ  
9/5/2024  
9:50

| Customer PO # | Terms  | PT Acct # | Customer # | Ship Via      | F.O.B.     |
|---------------|--------|-----------|------------|---------------|------------|
| 240802-01     | Net 30 | ZCM-100   | 1500470    | FedEx 2nd Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number  | Part Description                         | Study Number | Lot Number |
|-------------|-------------|---------------|--------------|------------------------------------------|--------------|------------|
|             |             |               | PT-TMSET-WP  | WP Trace Metals Set : (TM1, HG and SNTI) |              |            |
| 1           | 1           | 0             | PT-TM1-WP    | WP Trace Metals 1                        | WP0924       | 8259-04    |
| 1           | 1           | 0             | PT-HG-WP     | WP Mercury                               | WP0924       | 8259-05    |
| 1           | 1           | 0             | PT-SNTI-WP   | WP Tin & Titanium                        | WP0924       | 8259-38    |
| 1           | 1           | 0             | PT-CR6-WP    | WP Hexavalent Chromium                   | WP0924       | 8259-06    |
| 1           | 1           | 0             | PT-DEM-WP    | WP Demand                                | WP0924       | 8259-07    |
|             |             |               | PT-MINSET-WP | WP Minerals Set : (MIN1, MIN2 and COND)  |              |            |
| 1           | 1           | 0             | PT-MIN1-WP   | WP Minerals 1 Only                       | WP0924       | 8259-08    |
| 1           | 1           | 0             | PT-MIN2-WP   | WP Minerals 2 Only                       | WP0924       | 8259-102   |
| 1           | 1           | 0             | PT-COND-WP   | WP Conductivity Only                     | WP0924       | 8259-72    |
| 1           | 1           | 0             | PT-SOL-WP    | WP Solids                                | WP0924       | 8259-09    |
|             |             |               | PT-NUTSET-WP | WP Nutrients Set : (NUT1, NUT2 and NUT3) |              |            |
| 1           | 1           | 0             | PT-NUT1-WP   | WP NUT1 Simple Nutrients Only            | WP0924       | 8259-10    |
| 1           | 1           | 0             | PT-NUT2-WP   | WP NUT2 - Complex Nutrients              | WP0924       | 8259-11    |
| 1           | 1           | 0             | PT-NUT3-WP   | WP NUT3 - Nitrite Only                   | WP0924       | 8259-69    |
| 1           | 1           | 0             | PT-OGR1L-WP  | WP Oil and Grease 1L                     | WP0924       | 8259-103   |
| 1           | 1           | 0             | PT-CL-WP     | WP Residual Chlorine                     | WP0924       | 8259-13    |
| 1           | 1           | 0             | PT-PH-WP     | WP pH                                    | WP0924       | 8259-15    |
| 1           | 1           | 0             | PT-CN-WP     | WP Cyanide                               | WP0924       | 8259-14    |
| 1           | 1           | 0             | PT-PHEN-WP   | WP Phenolics                             | WP0924       | 8259-16    |

# Packing List

6390 Joyce Dr., #100  
Golden, CO 80403

Tel: +1-303-940-0033  
Fax: +1-303-940-0043  
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www.phenova.com

For terms and conditions of your order, please visit:  
www.phenova.com/home/termsofsale

| Date       | Order # |
|------------|---------|
| 09/03/2024 | 318988  |



## Ship To

Chemtech - NJ  
ATTN: Sohil Jodhani  
284 Sheffield St., #1  
Mountainside, NJ 07092  
USA

Received by: SJ  
9/5/2024  
9:50

| Customer PO # | Terms  | PT Acct # | Customer # | Ship Via      | F.O.B.     |
|---------------|--------|-----------|------------|---------------|------------|
| 240802-01     | Net 30 | ZCM-100   | 1500470    | FedEx 2nd Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number    | Part Description           | Study Number | Lot Number |
|-------------|-------------|---------------|----------------|----------------------------|--------------|------------|
| 1           | 1           | 0             | PT-S2-WP       | WP Sulfide                 | WP0924       | 8259-22    |
| 1           | 1           | 0             | PT-SSOL-WP     | WP Settleable Solids       | WP0924       | 8259-17    |
| 1           | 1           | 0             | PT-VSOL-WP     | WP Volatile Solids         | WP0924       | 8259-18    |
| 1           | 1           | 0             | PT-TURB-WP     | WP Turbidity               | WP0924       | 8259-20    |
| 1           | 1           | 0             | PT-SIO2-WP     | WP Silica                  | WP0924       | 8259-21    |
| 1           | 1           | 0             | PT-COL-WP      | WP Color                   | WP0924       | 8259-51    |
| 1           | 1           | 0             | PT-VOA-WP      | WP Volatiles               | WP0924       | 8259-26    |
| 1           | 1           | 0             | PT-BN-WP       | WP Base Neutrals           | WP0924       | 8259-27    |
| 1           | 1           | 0             | PT-ACIDS-WP    | WP Acids                   | WP0924       | 8259-28    |
| 1           | 1           | 0             | PT-PEST-WP     | WP Pesticides              | WP0924       | 8259-29    |
| 1           | 1           | 0             | PT-CHLR-WP     | WP Chlordane               | WP0924       | 8259-30    |
| 1           | 1           | 0             | PT-TXP-WP      | WP Toxaphene               | WP0924       | 8259-31    |
| 1           | 1           | 0             | PT-PCBW-WP     | WP PCBs in Water           | WP0924       | 8259-32    |
| 1           | 1           | 0             | PT-HERB-WP     | WP Herbicides              | WP0924       | 8259-36    |
| 1           | 1           | 0             | RR-TPH1L-WP    | WP TPH 1L                  | R39151       | R39151-104 |
| 1           | 1           | 0             | RR-PAH-WP      | WP PAH-Low Level           | R39151       | R39151-37  |
| 1           | 1           | 0             | RR-GAS-WP      | WP Gasoline Range Organics | R39151       | R39151-62  |
| 1           | 1           | 0             | RR-DIES-WP     | WP Diesel Range Organics   | R39151       | R39151-63  |
| 1           | 1           | 0             | RR-8011-WP     | WP EDB/DBCP/TCP            | R39151       | R39151-98  |
| 1           | 1           | 0             | RR-TRIAZINE-WP | WP Triazine Pesticides     | R39151       | R39151-108 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (L-A-B)     | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255423           |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |