

## Cover Page

**Order ID :** Q3321

**Project ID :** RFP 918

**Client :** Weston Solutions, Inc.

**Lab Sample Number**

Q3321-01  
Q3321-02

**Client Sample Number**

P001-DS-01  
P001-DS-01

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: 10/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Weston Solutions, Inc.**

**Project Name: RFP 918**

**Project # N/A**

**Order ID # Q3321**

**Test Name: Pesticide-TCL**

### **A. Number of Samples and Date of Receipt:**

1 Solid sample was received on 10/09/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

### **C. Analytical Techniques:**

The analysis was performed on instrument ECD\_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3310-01MS} with File ID: PL097602.D recoveries met the requirements for all compounds except for [Endrin ketone(2)51%] due to matrix interference.

The MSD {Q3310-01MSD} with File ID: PL097603.D recoveries met the requirements for all compounds except for [Endrin ketone(2)53%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

### **E. Additional Comments:**

The soil samples results are based on a dry weight basis.

### **F. Calculation for Concentration in Soil samples:**

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vi) (Ws) (D)}$$



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Where,

Ax = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

Vt = Volume of the concentrated extract in uL

Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).

Ws = Weight of sample extracted (g).

D = % dry weight or  $\frac{100 - \% \text{Moisture}}{100}$

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor

#### **G. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature\_\_\_\_\_

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



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**GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**

ORDER ID: Q3321

MATRIX: Solid

METHOD: 8081B/3541

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NA | NO | YES |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|-----|
| 1. Chromatograms Labeled/Compounds Identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    | ✓   |
| 2. Standard Summary Submitted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    | ✓   |
| 3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.<br><br>The Initial Calibration met the requirements.<br><br>The Continuous Calibration met the requirements                                                                                                                                                                                                                                                                                          |    |    | ✓   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    | ✓  |     |
| 5. Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |    | ✓   |
| 6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br>The MS {Q3310-01MS} with File ID: PL097602.D recoveries met the requirements for all compounds except for [Endrin ketone(2)51%] due to matrix interference.<br>The MSD {Q3310-01MSD} with File ID: PL097603.D recoveries met the requirements for all compounds except for [Endrin ketone(2)53%] due to matrix interference.<br>The Blank Spike met requirements for all compounds.<br>The RPD were met for all analysis. |    | ✓  |     |
| 7. Retention Time Shift Meet Criteria (if applicable)<br><br>Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    | ✓   |
| 8. Extraction Holding Time Met<br><br>If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |    | ✓   |
| 9. Analysis Holding Time Met<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    | ✓   |



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**GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)**

NA NO YES

ADDITIONAL COMMENTS:

The soil samples results are based on a dry weight basis.

\_\_\_\_\_  
QA REVIEW

\_\_\_\_\_  
Date

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q3321

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/16/2025



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## LAB CHRONICLE

|                 |                        |                   |                       |
|-----------------|------------------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q3321                  | <b>OrderDate:</b> | 10/9/2025 10:30:00 AM |
| <b>Client:</b>  | Weston Solutions, Inc. | <b>Project:</b>   | RFP 918               |
| <b>Contact:</b> | Smita Sumbaly          | <b>Location:</b>  | D41,VOA Ref. #2 Soil  |

| LabID    | ClientID   | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| Q3321-01 | P001-DS-01 | SOIL   | Pesticide-TCL | 8081B  | 10/08/25    | 10/10/25  | 10/10/25  | 10/09/25 |



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

**SDG No.:** Q3321

**Order ID:** Q3321

**Client:** Weston Solutions, Inc.

**Project ID:** RFP 918

| Sample ID               | Client ID                | Matrix | Parameter | Concentration | C  | MDL  | RDL  | Units |
|-------------------------|--------------------------|--------|-----------|---------------|----|------|------|-------|
| Client ID :<br>Q3321-01 | P001-DS-01<br>P001-DS-01 | SOIL   | Endrin    | 0.71          | JP | 0.18 | 2.20 | ug/kg |
| Total Concentration:    |                          |        |           | 0.710         |    |      |      |       |



# QC SUMMARY

### Surrogate Summary

SDG No.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: 8081B

| Lab Sample ID    | Client ID        | Parameter         | Column | Spike | Result | Recovery(%) | Qual | Limits(%) |      |
|------------------|------------------|-------------------|--------|-------|--------|-------------|------|-----------|------|
|                  |                  |                   |        |       |        |             |      | Low       | High |
| I.BLK-PL097523.D | PIBLK-PL097523.D | Decachlorobiphen  | 1      | 20    | 21.4   | 107         |      | 57        | 171  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 19.2   | 96          |      | 61        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 20.6   | 103         |      | 57        | 171  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 19.3   | 97          |      | 61        | 148  |
| I.BLK-PL097596.D | PIBLK-PL097596.D | Decachlorobiphen  | 1      | 20    | 24.3   | 121         |      | 57        | 171  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 23.0   | 115         |      | 61        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 19.7   | 99          |      | 57        | 171  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 21.3   | 106         |      | 61        | 148  |
| PB170054BL       | PB170054BL       | Decachlorobiphen  | 1      | 20    | 20.6   | 103         |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 18.6   | 93          |      | 19        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 17.0   | 85          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 16.9   | 85          |      | 19        | 148  |
| Q3310-01MS       | SS-01-0-1MS      | Decachlorobiphen  | 1      | 20    | 8.92   | 45          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 12.9   | 64          |      | 19        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 7.30   | 37          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 11.4   | 57          |      | 19        | 148  |
| Q3310-01MSD      | SS-01-0-1MSD     | Decachlorobiphen  | 1      | 20    | 10.5   | 53          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 13.5   | 68          |      | 19        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 7.64   | 38          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 12.3   | 61          |      | 19        | 148  |
| Q3321-01         | P001-DS-01       | Decachlorobiphen  | 1      | 20    | 10.8   | 54          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 9.83   | 49          |      | 19        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 8.23   | 41          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 9.01   | 45          |      | 19        | 148  |
| PB170054BS       | PB170054BS       | Decachlorobiphen  | 1      | 20    | 22.2   | 111         |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 21.1   | 105         |      | 19        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 18.2   | 91          |      | 20        | 144  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 20.8   | 104         |      | 19        | 148  |
| I.BLK-PL097609.D | PIBLK-PL097609.D | Decachlorobiphen  | 1      | 20    | 24.3   | 122         |      | 57        | 171  |
|                  |                  | Tetrachloro-m-xyl | 1      | 20    | 22.5   | 113         |      | 61        | 148  |
|                  |                  | Decachlorobiphen  | 2      | 20    | 19.8   | 99          |      | 57        | 171  |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 21.9   | 109         |      | 61        | 148  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                               |                           |                   |
|-----------------|-------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3321</u>                  | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Weston Solutions, Inc.</u> | <b>DataFile :</b>         | <u>PL097602.D</u> |

|                | Parameter                | Spike             | Sample |             | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits |     |
|----------------|--------------------------|-------------------|--------|-------------|-------|-----|-------------|-----|-------------|-----|--------|-----|
|                |                          |                   | Result |             |       |     |             |     |             |     | High   | RPD |
| Lab Sample ID: | Q3310-01MS<br>(Column 1) | Client Sample ID: |        | SS-01-0-1MS |       |     |             |     |             |     |        |     |
|                | alpha-BHC                | 25.51             | 0      | 19.8        | ug/kg | 78  |             |     |             | 60  | 144    |     |
|                | beta-BHC                 | 25.51             | 0      | 18.3        | ug/kg | 72  |             |     |             | 54  | 143    |     |
|                | delta-BHC                | 25.51             | 0      | 21.0        | ug/kg | 82  |             |     |             | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 25.51             | 0      | 19.9        | ug/kg | 78  |             |     |             | 61  | 140    |     |
|                | Heptachlor               | 25.51             | 0      | 19.9        | ug/kg | 78  |             |     |             | 63  | 135    |     |
|                | Aldrin                   | 25.51             | 0      | 19.6        | ug/kg | 77  |             |     |             | 49  | 139    |     |
|                | Heptachlor epoxide       | 25.51             | 0      | 20.5        | ug/kg | 80  |             |     |             | 41  | 156    |     |
|                | Endosulfan I             | 25.51             | 0      | 20.5        | ug/kg | 80  |             |     |             | 56  | 142    |     |
|                | Dieldrin                 | 25.51             | 3.10   | 24.6        | ug/kg | 84  |             |     |             | 47  | 161    |     |
|                | 4,4'-DDE                 | 25.51             | 0.94   | 20.3        | ug/kg | 76  |             |     |             | 55  | 136    |     |
|                | Endrin                   | 25.51             | 0.65   | 19.7        | ug/kg | 75  |             |     |             | 57  | 139    |     |
|                | Endosulfan II            | 25.51             | 0      | 17.9        | ug/kg | 70  |             |     |             | 40  | 163    |     |
|                | 4,4'-DDD                 | 25.51             | 1.90   | 23.9        | ug/kg | 86  |             |     |             | 47  | 163    |     |
|                | Endosulfan sulfate       | 25.51             | 0      | 23.3        | ug/kg | 91  |             |     |             | 62  | 139    |     |
|                | 4,4'-DDT                 | 25.51             | 0.92   | 22.9        | ug/kg | 86  |             |     |             | 51  | 146    |     |
|                | Methoxychlor             | 25.51             | 0      | 25.8        | ug/kg | 101 |             |     |             | 54  | 136    |     |
|                | Endrin ketone            | 25.51             | 0      | 22.8        | ug/kg | 89  |             |     |             | 60  | 129    |     |
|                | Endrin aldehyde          | 25.51             | 0      | 19.7        | ug/kg | 77  |             |     |             | 59  | 132    |     |
|                | alpha-Chlordane          | 25.51             | 3.60   | 23.6        | ug/kg | 78  |             |     |             | 39  | 166    |     |
|                | gamma-Chlordane          | 25.51             | 4.10   | 24.6        | ug/kg | 80  |             |     |             | 44  | 175    |     |
| Lab Sample ID: | Q3310-01MS<br>(Column 2) | Client Sample ID: |        | SS-01-0-1MS |       |     |             |     |             |     |        |     |
|                | alpha-BHC                | 25.51             | 0      | 17.4        | ug/kg | 68  |             |     |             | 60  | 144    |     |
|                | beta-BHC                 | 25.51             | 0      | 16.0        | ug/kg | 63  |             |     |             | 54  | 143    |     |
|                | delta-BHC                | 25.51             | 0      | 17.3        | ug/kg | 68  |             |     |             | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 25.51             | 0      | 18.6        | ug/kg | 73  |             |     |             | 61  | 140    |     |
|                | Heptachlor               | 25.51             | 0      | 16.7        | ug/kg | 65  |             |     |             | 63  | 135    |     |
|                | Aldrin                   | 25.51             | 0      | 17.1        | ug/kg | 67  |             |     |             | 49  | 139    |     |
|                | Heptachlor epoxide       | 25.51             | 0      | 16.7        | ug/kg | 65  |             |     |             | 41  | 156    |     |
|                | Endosulfan I             | 25.51             | 0      | 16.1        | ug/kg | 63  |             |     |             | 56  | 142    |     |
|                | Dieldrin                 | 25.51             | 4.00   | 19.0        | ug/kg | 59  |             |     |             | 47  | 161    |     |
|                | 4,4'-DDE                 | 25.51             | 0.59   | 16.2        | ug/kg | 61  |             |     |             | 55  | 136    |     |
|                | Endrin                   | 25.51             | 0.67   | 15.4        | ug/kg | 58  |             |     |             | 57  | 139    |     |
|                | Endosulfan II            | 25.51             | 0      | 16.3        | ug/kg | 64  |             |     |             | 40  | 163    |     |
|                | 4,4'-DDD                 | 25.51             | 0.69   | 15.8        | ug/kg | 59  |             |     |             | 47  | 163    |     |
|                | Endosulfan sulfate       | 25.51             | 0      | 21.8        | ug/kg | 85  |             |     |             | 62  | 139    |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                               |                           |                   |
|-----------------|-------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3321</u>                  | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Weston Solutions, Inc.</u> | <b>DataFile :</b>         | <u>PL097602.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits |     |
|-----------------|-------|--------|--------|-------|-----|-------------|-----|-------------|-----|--------|-----|
|                 |       | Result | Result |       |     |             |     |             |     | High   | RPD |
| 4,4'-DDT        | 25.51 | 3.20   | 18.1   | ug/kg | 58  |             |     |             | 51  | 146    |     |
| Methoxychlor    | 25.51 | 0      | 18.2   | ug/kg | 71  |             |     |             | 54  | 136    |     |
| Endrin ketone   | 25.51 | 0      | 13.1   | ug/kg | 51  | *           |     |             | 60  | 129    |     |
| Endrin aldehyde | 25.51 | 0      | 15.5   | ug/kg | 61  |             |     |             | 59  | 132    |     |
| alpha-Chlordane | 25.51 | 3.00   | 17.8   | ug/kg | 58  |             |     |             | 39  | 166    |     |
| gamma-Chlordane | 25.51 | 3.40   | 20.8   | ug/kg | 68  |             |     |             | 44  | 175    |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                               |                           |                   |
|-----------------|-------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3321</u>                  | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Weston Solutions, Inc.</u> | <b>DataFile :</b>         | <u>PL097603.D</u> |

|                | Parameter                 | Spike             | Sample |              | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits |     |
|----------------|---------------------------|-------------------|--------|--------------|-------|-----|----------|-----|----------|-----|--------|-----|
|                |                           |                   | Result |              |       |     |          |     |          |     | High   | RPD |
| Lab Sample ID: | Q3310-01MSD<br>(Column 1) | Client Sample ID: |        | SS-01-0-1MSD |       |     |          |     |          |     |        |     |
|                | alpha-BHC                 | 25.47             | 0      | 21.4         | ug/kg | 84  |          | 7   |          | 60  | 144    | 20  |
|                | beta-BHC                  | 25.47             | 0      | 19.5         | ug/kg | 77  |          | 7   |          | 54  | 143    | 20  |
|                | delta-BHC                 | 25.47             | 0      | 22.3         | ug/kg | 88  |          | 7   |          | 29  | 151    | 20  |
|                | gamma-BHC (Lindane)       | 25.47             | 0      | 21.5         | ug/kg | 84  |          | 7   |          | 61  | 140    | 20  |
|                | Heptachlor                | 25.47             | 0      | 20.5         | ug/kg | 80  |          | 3   |          | 63  | 135    | 20  |
|                | Aldrin                    | 25.47             | 0      | 21.3         | ug/kg | 84  |          | 9   |          | 49  | 139    | 20  |
|                | Heptachlor epoxide        | 25.47             | 0      | 21.4         | ug/kg | 84  |          | 5   |          | 41  | 156    | 20  |
|                | Endosulfan I              | 25.47             | 0      | 22.5         | ug/kg | 88  |          | 10  |          | 56  | 142    | 20  |
|                | Dieldrin                  | 25.47             | 3.10   | 27.5         | ug/kg | 96  |          | 13  |          | 47  | 161    | 20  |
|                | 4,4'-DDE                  | 25.47             | 0.94   | 21.3         | ug/kg | 80  |          | 5   |          | 55  | 136    | 20  |
|                | Endrin                    | 25.47             | 0.65   | 20.9         | ug/kg | 79  |          | 5   |          | 57  | 139    | 20  |
|                | Endosulfan II             | 25.47             | 0      | 18.3         | ug/kg | 72  |          | 3   |          | 40  | 163    | 20  |
|                | 4,4'-DDD                  | 25.47             | 1.90   | 25.4         | ug/kg | 92  |          | 7   |          | 47  | 163    | 20  |
|                | Endosulfan sulfate        | 25.47             | 0      | 24.8         | ug/kg | 97  |          | 6   |          | 62  | 139    | 20  |
|                | 4,4'-DDT                  | 25.47             | 0.92   | 24.1         | ug/kg | 91  |          | 6   |          | 51  | 146    | 20  |
|                | Methoxychlor              | 25.47             | 0      | 27.2         | ug/kg | 107 |          | 6   |          | 54  | 136    | 20  |
|                | Endrin ketone             | 25.47             | 0      | 24.0         | ug/kg | 94  |          | 5   |          | 60  | 129    | 20  |
|                | Endrin aldehyde           | 25.47             | 0      | 20.8         | ug/kg | 82  |          | 6   |          | 59  | 132    | 20  |
|                | alpha-Chlordane           | 25.47             | 3.60   | 24.3         | ug/kg | 81  |          | 4   |          | 39  | 166    | 20  |
|                | gamma-Chlordane           | 25.47             | 4.10   | 24.8         | ug/kg | 81  |          | 1   |          | 44  | 175    | 20  |
| Lab Sample ID: | Q3310-01MSD<br>(Column 2) | Client Sample ID: |        | SS-01-0-1MSD |       |     |          |     |          |     |        |     |
|                | alpha-BHC                 | 25.47             | 0      | 18.6         | ug/kg | 73  |          | 7   |          | 60  | 144    | 20  |
|                | beta-BHC                  | 25.47             | 0      | 16.5         | ug/kg | 65  |          | 3   |          | 54  | 143    | 20  |
|                | delta-BHC                 | 25.47             | 0      | 18.4         | ug/kg | 72  |          | 6   |          | 29  | 151    | 20  |
|                | gamma-BHC (Lindane)       | 25.47             | 0      | 19.8         | ug/kg | 78  |          | 7   |          | 61  | 140    | 20  |
|                | Heptachlor                | 25.47             | 0      | 17.7         | ug/kg | 69  |          | 6   |          | 63  | 135    | 20  |
|                | Aldrin                    | 25.47             | 0      | 19.0         | ug/kg | 75  |          | 11  |          | 49  | 139    | 20  |
|                | Heptachlor epoxide        | 25.47             | 0      | 17.6         | ug/kg | 69  |          | 6   |          | 41  | 156    | 20  |
|                | Endosulfan I              | 25.47             | 0      | 17.0         | ug/kg | 67  |          | 6   |          | 56  | 142    | 20  |
|                | Dieldrin                  | 25.47             | 4.00   | 19.9         | ug/kg | 62  |          | 5   |          | 47  | 161    | 20  |
|                | 4,4'-DDE                  | 25.47             | 0.59   | 17.0         | ug/kg | 64  |          | 5   |          | 55  | 136    | 20  |
|                | Endrin                    | 25.47             | 0.67   | 15.9         | ug/kg | 60  |          | 3   |          | 57  | 139    | 20  |
|                | Endosulfan II             | 25.47             | 0      | 16.9         | ug/kg | 66  |          | 3   |          | 40  | 163    | 20  |
|                | 4,4'-DDD                  | 25.47             | 0.69   | 16.4         | ug/kg | 62  |          | 5   |          | 47  | 163    | 20  |
|                | Endosulfan sulfate        | 25.47             | 0      | 22.6         | ug/kg | 89  |          | 5   |          | 62  | 139    | 20  |

# Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                        |                           |            |
|-----------------|------------------------|---------------------------|------------|
| <b>SDG No.:</b> | Q3321                  | <b>Analytical Method:</b> | 8081B      |
| <b>Client:</b>  | Weston Solutions, Inc. | <b>DataFile :</b>         | PL097603.D |

| Parameter       | Spike | Sample |        | Units | Rec | Rec  | RPD |      | Limits |      |     |
|-----------------|-------|--------|--------|-------|-----|------|-----|------|--------|------|-----|
|                 |       | Result | Result |       |     | Qual | RPD | Qual | Low    | High | RPD |
| 4,4'-DDT        | 25.47 | 3.20   | 18.9   | ug/kg | 62  |      | 7   |      | 51     | 146  | 20  |
| Methoxychlor    | 25.47 | 0      | 19.1   | ug/kg | 75  |      | 5   |      | 54     | 136  | 20  |
| Endrin ketone   | 25.47 | 0      | 13.5   | ug/kg | 53  | *    | 4   |      | 60     | 129  | 20  |
| Endrin aldehyde | 25.47 | 0      | 15.8   | ug/kg | 62  |      | 2   |      | 59     | 132  | 20  |
| alpha-Chlordane | 25.47 | 3.00   | 18.7   | ug/kg | 62  |      | 7   |      | 39     | 166  | 20  |
| gamma-Chlordane | 25.47 | 3.40   | 21.9   | ug/kg | 73  |      | 7   |      | 44     | 175  | 20  |

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

**SW-846**

**SDG No.:** Q3321

**Analytical Method:** 8081B

**Client:** Weston Solutions, Inc.

**Datafile :** PL097608.D

| Lab Sample ID            | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|--------------------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|                          |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB170054BS<br>(Column 1) | alpha-BHC           | 16.65 | 19.7   | ug/kg | 118 |     |      |      | 84  | 123    |     |
|                          | beta-BHC            | 16.65 | 19.8   | ug/kg | 119 |     |      |      | 82  | 123    |     |
|                          | delta-BHC           | 16.65 | 19.5   | ug/kg | 117 |     |      |      | 83  | 126    |     |
|                          | gamma-BHC (Lindane) | 16.65 | 19.7   | ug/kg | 118 |     |      |      | 83  | 125    |     |
|                          | Heptachlor          | 16.65 | 18.6   | ug/kg | 112 |     |      |      | 83  | 122    |     |
|                          | Aldrin              | 16.65 | 19.3   | ug/kg | 116 |     |      |      | 82  | 124    |     |
|                          | Heptachlor epoxide  | 16.65 | 18.1   | ug/kg | 109 |     |      |      | 83  | 120    |     |
|                          | Endosulfan I        | 16.65 | 19.1   | ug/kg | 115 |     |      |      | 81  | 124    |     |
|                          | Dieldrin            | 16.65 | 19.3   | ug/kg | 116 |     |      |      | 85  | 121    |     |
|                          | 4,4'-DDE            | 16.65 | 19.8   | ug/kg | 119 |     |      |      | 81  | 123    |     |
|                          | Endrin              | 16.65 | 17.9   | ug/kg | 108 |     |      |      | 76  | 130    |     |
|                          | Endosulfan II       | 16.65 | 17.8   | ug/kg | 107 |     |      |      | 80  | 125    |     |
|                          | 4,4'-DDD            | 16.65 | 20.5   | ug/kg | 123 |     |      |      | 80  | 131    |     |
|                          | Endosulfan sulfate  | 16.65 | 18.7   | ug/kg | 112 |     |      |      | 81  | 122    |     |
|                          | 4,4'-DDT            | 16.65 | 17.6   | ug/kg | 106 |     |      |      | 70  | 129    |     |
|                          | Methoxychlor        | 16.65 | 16.6   | ug/kg | 100 |     |      |      | 60  | 119    |     |
|                          | Endrin ketone       | 16.65 | 19.1   | ug/kg | 115 |     |      |      | 77  | 132    |     |
|                          | Endrin aldehyde     | 16.65 | 18.8   | ug/kg | 113 |     |      |      | 79  | 124    |     |
|                          | alpha-Chlordane     | 16.65 | 19.0   | ug/kg | 114 |     |      |      | 84  | 120    |     |
|                          | gamma-Chlordane     | 16.65 | 19.4   | ug/kg | 117 |     |      |      | 83  | 122    |     |
| PB170054BS<br>(Column 2) | alpha-BHC           | 16.65 | 19.4   | ug/kg | 117 |     |      |      | 84  | 123    |     |
|                          | beta-BHC            | 16.65 | 18.3   | ug/kg | 110 |     |      |      | 82  | 123    |     |
|                          | delta-BHC           | 16.65 | 19.1   | ug/kg | 115 |     |      |      | 83  | 126    |     |
|                          | gamma-BHC (Lindane) | 16.65 | 19.2   | ug/kg | 115 |     |      |      | 83  | 125    |     |
|                          | Heptachlor          | 16.65 | 18.2   | ug/kg | 109 |     |      |      | 83  | 122    |     |
|                          | Aldrin              | 16.65 | 18.8   | ug/kg | 113 |     |      |      | 82  | 124    |     |
|                          | Heptachlor epoxide  | 16.65 | 19.4   | ug/kg | 117 |     |      |      | 83  | 120    |     |
|                          | Endosulfan I        | 16.65 | 18.3   | ug/kg | 110 |     |      |      | 81  | 124    |     |
|                          | Dieldrin            | 16.65 | 17.8   | ug/kg | 107 |     |      |      | 85  | 121    |     |
|                          | 4,4'-DDE            | 16.65 | 18.5   | ug/kg | 111 |     |      |      | 81  | 123    |     |
|                          | Endrin              | 16.65 | 16.6   | ug/kg | 100 |     |      |      | 76  | 130    |     |
|                          | Endosulfan II       | 16.65 | 17.7   | ug/kg | 106 |     |      |      | 80  | 125    |     |
|                          | 4,4'-DDD            | 16.65 | 18.7   | ug/kg | 112 |     |      |      | 80  | 131    |     |
|                          | Endosulfan sulfate  | 16.65 | 17.2   | ug/kg | 103 |     |      |      | 81  | 122    |     |
|                          | 4,4'-DDT            | 16.65 | 16.3   | ug/kg | 98  |     |      |      | 70  | 129    |     |
|                          | Methoxychlor        | 16.65 | 15.0   | ug/kg | 90  |     |      |      | 60  | 119    |     |
|                          | Endrin ketone       | 16.65 | 16.1   | ug/kg | 97  |     |      |      | 77  | 132    |     |
|                          | Endrin aldehyde     | 16.65 | 15.8   | ug/kg | 95  |     |      |      | 79  | 124    |     |
|                          | alpha-Chlordane     | 16.65 | 17.9   | ug/kg | 108 |     |      |      | 84  | 120    |     |
|                          | gamma-Chlordane     | 16.65 | 17.7   | ug/kg | 106 |     |      |      | 83  | 122    |     |

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170054BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170054BL

Lab File ID: PL097599.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/10/2025

Date Analyzed (1): 10/10/2025

Date Analyzed (2): 10/10/2025

Time Analyzed (1): 13:44

Time Analyzed (2): 13:44

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| SS-01-0-1MS       | Q3310-01MS       | PL097602.D     | 10/10/2025         | 10/10/2025         |
| SS-01-0-1MSD      | Q3310-01MSD      | PL097603.D     | 10/10/2025         | 10/10/2025         |
| P001-DS-01        | Q3321-01         | PL097605.D     | 10/10/2025         | 10/10/2025         |
| PB170054BS        | PB170054BS       | PL097608.D     | 10/10/2025         | 10/10/2025         |

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

\_\_\_\_\_



# SAMPLE DATA

## Report of Analysis

|                    |                        |                    |               |
|--------------------|------------------------|--------------------|---------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    | 10/08/25      |
| Project:           | RFP 918                | Date Received:     | 10/09/25      |
| Client Sample ID:  | P001-DS-01             | SDG No.:           | Q3321         |
| Lab Sample ID:     | Q3321-01               | Matrix:            | SOIL          |
| Analytical Method: | 8081B                  | % Solid:           | 78.4          |
| Sample Wt/Vol:     | 30.03                  | Units:             | g             |
| Soil Aliquot Vol:  |                        |                    | uL            |
| Extraction Type:   |                        | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                    | PH :               |               |
| Prep Method :      | SW3541B                | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097605.D        | 1         | 10/10/25 09:06 | 10/10/25 15:05 | PB170054      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.17  | U         | 0.17     | 2.20       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.23  | U         | 0.23     | 2.20       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.50  | U         | 0.50     | 2.20       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.15  | U         | 0.15     | 2.20       | ug/kg             |
| 309-00-2          | Aldrin               | 0.15  | U         | 0.15     | 2.20       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.24  | U         | 0.24     | 2.20       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 72-20-8           | Endrin               | 0.71  | JP        | 0.18     | 2.20       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.37  | U         | 0.37     | 2.20       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.19  | U         | 0.19     | 2.20       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.17  | U         | 0.17     | 2.20       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.47  | U         | 0.47     | 2.20       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.24  | U         | 0.24     | 2.20       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.47  | U         | 0.47     | 2.20       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.15  | U         | 0.15     | 2.20       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.19  | U         | 0.19     | 2.20       | ug/kg             |
| 8001-35-2         | Toxaphene            | 6.90  | U         | 6.90     | 42.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 10.8  |           | 20 - 144 | 54%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 9.83  |           | 19 - 148 | 49%        | SPK: 20           |

## Report of Analysis

|                    |                        |                    |               |
|--------------------|------------------------|--------------------|---------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    | 10/08/25      |
| Project:           | RFP 918                | Date Received:     | 10/09/25      |
| Client Sample ID:  | P001-DS-01             | SDG No.:           | Q3321         |
| Lab Sample ID:     | Q3321-01               | Matrix:            | SOIL          |
| Analytical Method: | 8081B                  | % Solid:           | 78.4          |
| Sample Wt/Vol:     | 30.03                  | Units:             | g             |
| Soil Aliquot Vol:  |                        |                    | uL            |
| Extraction Type:   |                        | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                    | PH :               |               |
| Prep Method :      | SW3541B                | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097605.D        | 1         | 10/10/25 09:06 | 10/10/25 15:05 | PB170054      |

| 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\PL101025\  
 Data File : PL097605.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2025 15:05  
 Operator : AR\AJ  
 Sample : Q3321-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 P001-DS-01

**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 10/13/2025  
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 07:19:53 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.525 | 2.823 | 40077575 | 54868846 | 9.831   | 9.015   |
| 28) SA Decachlor...         | 8.993 | 7.978 | 32160097 | 42704877 | 10.815m | 8.230   |
| Target Compounds            |       |       |          |          |         |         |
| 14) MA Endrin               | 6.527 | 5.706 | 7448181  | 5121986  | 1.665m  | 0.692m# |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097605.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 15:05  
Operator : AR\AJ  
Sample : Q3321-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

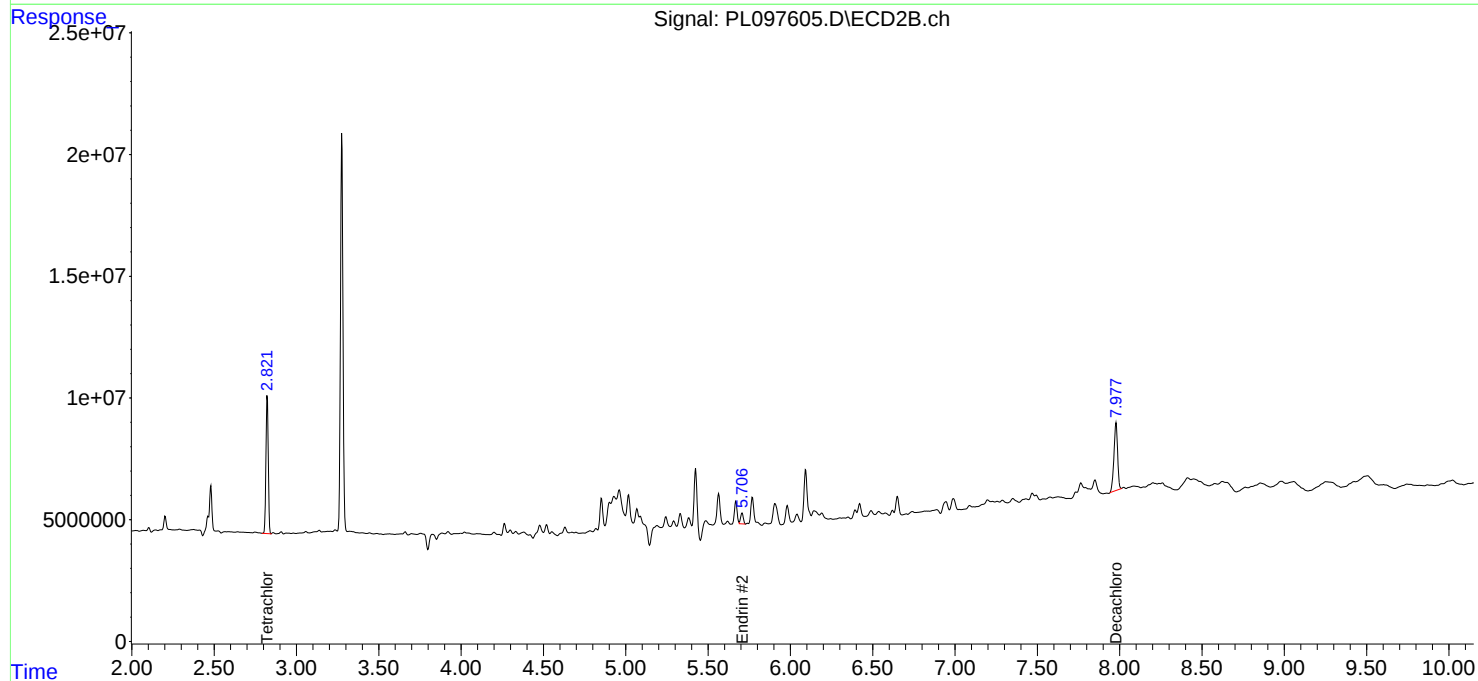
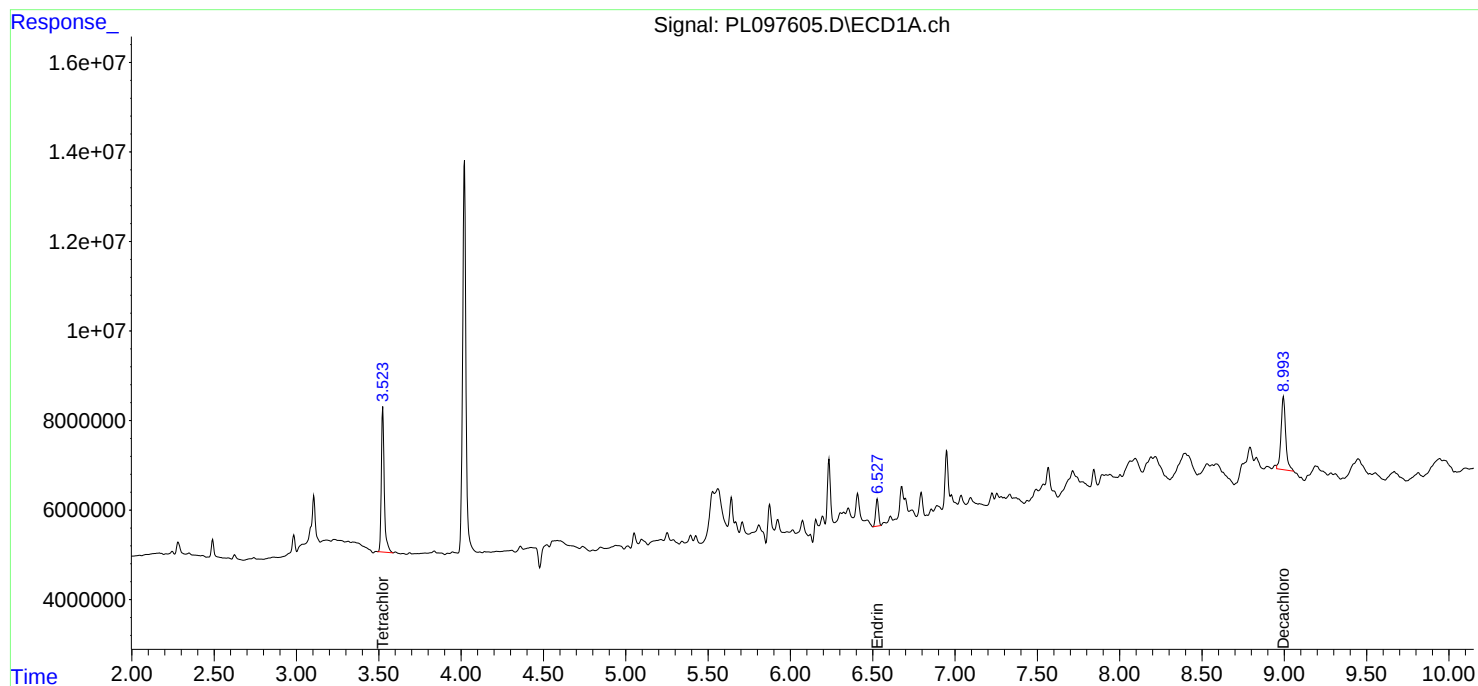
Instrument :  
ECD\_L  
ClientSampleId :  
P001-DS-01

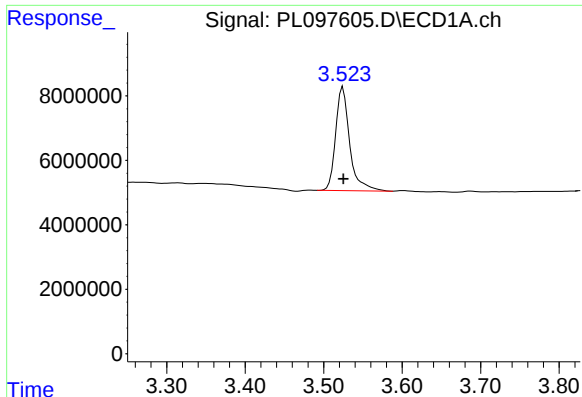
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 10/13/2025  
Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:19:53 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





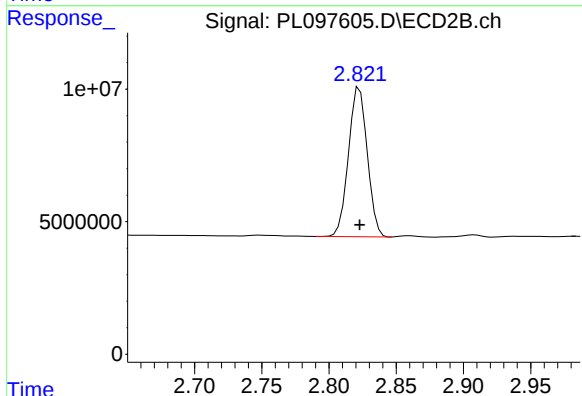
#1 Tetrachloro-m-xylene

R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 40077575  
Conc: 9.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
P001-DS-01

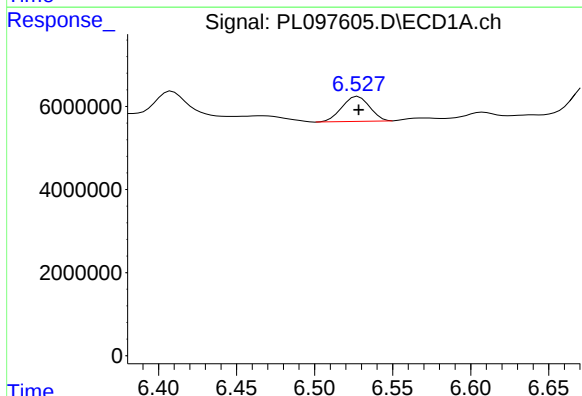
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



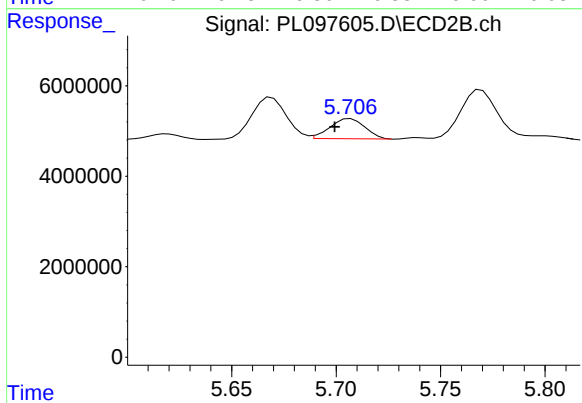
#1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 54868846  
Conc: 9.01 ng/ml



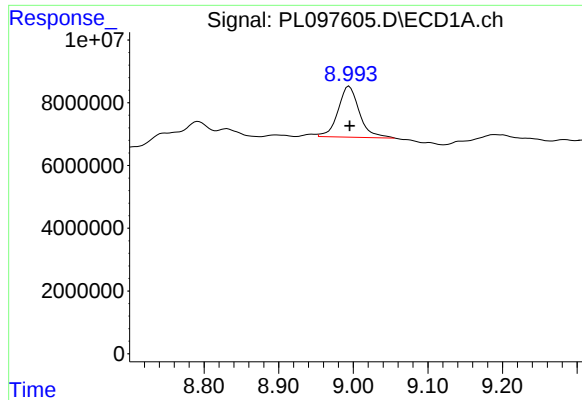
#14 Endrin

R.T.: 6.527 min  
Delta R.T.: -0.002 min  
Response: 7448181  
Conc: 1.66 ng/ml m



#14 Endrin

R.T.: 5.706 min  
Delta R.T.: 0.006 min  
Response: 5121986  
Conc: 0.69 ng/ml m



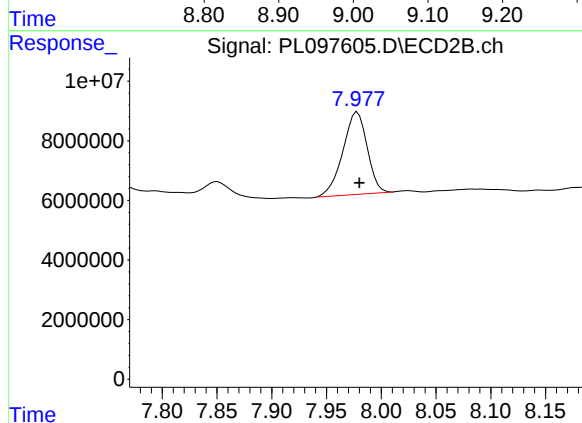
#28 Decachlorobiphenyl

R.T.: 8.993 min  
Delta R.T.: -0.002 min  
Response: 32160097  
Conc: 10.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
P001-DS-01

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.978 min  
Delta R.T.: -0.002 min  
Response: 42704877  
Conc: 8.23 ng/ml



# CALIBRATION SUMMARY

## RETENTION TIMES OF INITIAL CALIBRATION

|                       |                 |                             |                                     |
|-----------------------|-----------------|-----------------------------|-------------------------------------|
| <b>Lab Name:</b>      | <u>Alliance</u> | <b>Contract:</b>            | <u>ROYF02</u>                       |
| <b>Lab Code:</b>      | <u>ACE</u>      | <b>SDG NO.:</b>             | <u>Q3321</u>                        |
| <b>Instrument ID:</b> | <u>ECD_L</u>    | <b>Calibration Date(s):</b> | <u>10/07/2025</u> <u>10/07/2025</u> |
|                       |                 | <b>Calibration Times:</b>   | <u>10:33</u> <u>11:55</u>           |

 GC Column: ZB-MR1      ID: 0.32 (mm)

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 100 =</b> <u>PL097526.D</u> | <b>RT 075 =</b> <u>PL097527.D</u> |
| <b>RT 050 =</b> <u>PL097528.D</u> | <b>RT 025 =</b> <u>PL097529.D</u> | <b>RT 005 =</b> <u>PL097530.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 6.66   | 6.66   | 6.66   | 6.66   | 6.66   | 6.66       | 6.56      | 6.76 |
| 4,4'-DDE             | 6.15   | 6.15   | 6.15   | 6.15   | 6.15   | 6.15       | 6.05      | 6.25 |
| 4,4'-DDT             | 6.98   | 6.98   | 6.98   | 6.98   | 6.98   | 6.97       | 6.87      | 7.07 |
| Aldrin               | 5.23   | 5.23   | 5.23   | 5.23   | 5.23   | 5.23       | 5.13      | 5.33 |
| alpha-BHC            | 3.97   | 3.97   | 3.97   | 3.97   | 3.97   | 3.97       | 3.87      | 4.07 |
| alpha-Chlordane      | 5.98   | 5.98   | 5.98   | 5.98   | 5.98   | 5.98       | 5.88      | 6.08 |
| beta-BHC             | 4.49   | 4.49   | 4.49   | 4.49   | 4.49   | 4.49       | 4.39      | 4.59 |
| Decachlorobiphenyl   | 9.00   | 9.00   | 9.00   | 9.00   | 9.00   | 9.00       | 8.90      | 9.10 |
| delta-BHC            | 4.73   | 4.73   | 4.73   | 4.73   | 4.73   | 4.73       | 4.63      | 4.83 |
| Dieldrin             | 6.30   | 6.30   | 6.30   | 6.30   | 6.30   | 6.30       | 6.20      | 6.40 |
| Endosulfan I         | 6.03   | 6.03   | 6.03   | 6.03   | 6.03   | 6.03       | 5.93      | 6.13 |
| Endosulfan II        | 6.74   | 6.74   | 6.74   | 6.74   | 6.74   | 6.74       | 6.64      | 6.84 |
| Endosulfan sulfate   | 7.10   | 7.10   | 7.10   | 7.10   | 7.10   | 7.10       | 7.00      | 7.20 |
| Endrin               | 6.53   | 6.53   | 6.53   | 6.53   | 6.53   | 6.53       | 6.43      | 6.63 |
| Endrin aldehyde      | 6.87   | 6.87   | 6.87   | 6.87   | 6.87   | 6.87       | 6.77      | 6.97 |
| Endrin ketone        | 7.58   | 7.58   | 7.58   | 7.58   | 7.58   | 7.58       | 7.48      | 7.68 |
| gamma-BHC (Lindane)  | 4.30   | 4.30   | 4.30   | 4.30   | 4.30   | 4.30       | 4.20      | 4.40 |
| gamma-Chlordane      | 5.90   | 5.90   | 5.90   | 5.90   | 5.90   | 5.90       | 5.80      | 6.00 |
| Heptachlor           | 4.89   | 4.89   | 4.89   | 4.89   | 4.89   | 4.89       | 4.79      | 4.99 |
| Heptachlor epoxide   | 5.65   | 5.65   | 5.65   | 5.65   | 5.65   | 5.65       | 5.55      | 5.75 |
| Methoxychlor         | 7.45   | 7.45   | 7.45   | 7.45   | 7.45   | 7.45       | 7.35      | 7.55 |
| Tetrachloro-m-xylene | 3.53   | 3.52   | 3.53   | 3.53   | 3.53   | 3.52       | 3.42      | 3.62 |

**Calibration Times:**                      10:33                      11:55

|              |          |                   |          |                   |
|--------------|----------|-------------------|----------|-------------------|
| LAB FILE ID: | RT 100 = | <u>PL097526.D</u> | RT 075 = | <u>PL097527.D</u> |
|              | RT 050 = | PL097528.D        | RT 025 = | PL097529.D        |
|              |          |                   | RT 005 = | PL097530.D        |

[illegible]



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

### CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance  
Lab Code: ACE  
Instrument ID: ECD\_L

Contract: ROYF02  
SDG NO.: Q3321  
Calibration Date(s): 10/07/2025 10/07/2025  
Calibration Times: 10:33 11:55

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL097526.D</u> | CF 075 =          | <u>PL097527.D</u> |                   |          |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| CF 050 =             |            | <u>PL097528.D</u> | CF 025 =          | <u>PL097529.D</u> | CF 005 =          | <u>PL097530.D</u> |          |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | %<br>RSD |
| 4,4'-DDD             | 3783520000 | 3735790000        | 3836440000        | 3741690000        | 3770050000        | 3773500000        | 1        |
| 4,4'-DDE             | 4769720000 | 4759010000        | 4659840000        | 4581780000        | 4515640000        | 4657200000        | 2        |
| 4,4'-DDT             | 4158660000 | 4086470000        | 4066920000        | 4052430000        | 3909040000        | 4054710000        | 2        |
| Aldrin               | 6100180000 | 6021960000        | 5978240000        | 6004420000        | 5958610000        | 6012680000        | 1        |
| alpha-BHC            | 7057770000 | 6888230000        | 6778270000        | 6677840000        | 6326260000        | 6745680000        | 4        |
| alpha-Chlordane      | 5353290000 | 5303430000        | 5334480000        | 5467810000        | 5673330000        | 5426470000        | 3        |
| beta-BHC             | 2559030000 | 2540680000        | 2560440000        | 2620670000        | 2646530000        | 2585470000        | 2        |
| Decachlorobiphenyl   | 2806950000 | 2848090000        | 2915160000        | 3035350000        | 3262730000        | 2973660000        | 6        |
| delta-BHC            | 6161670000 | 6066620000        | 6020720000        | 6020370000        | 6093700000        | 6072620000        | 1        |
| Dieldrin             | 5325080000 | 5250780000        | 5231620000        | 5259220000        | 5235730000        | 5260490000        | 1        |
| Endosulfan I         | 4917900000 | 4878480000        | 4901240000        | 5022330000        | 5137180000        | 4971420000        | 2        |
| Endosulfan II        | 4422070000 | 4556670000        | 4577300000        | 4802660000        | 6101860000        | 4892110000        | 14       |
| Endosulfan sulfate   | 3911300000 | 3900330000        | 3938060000        | 4073730000        | 4226080000        | 4009900000        | 3        |
| Endrin               | 4509120000 | 4507230000        | 4463320000        | 4443310000        | 4448560000        | 4474310000        | 1        |
| Endrin aldehyde      | 3165060000 | 3153360000        | 3209030000        | 3315700000        | 3540440000        | 3276720000        | 5        |
| Endrin ketone        | 4226710000 | 4197910000        | 4228440000        | 4385050000        | 4370480000        | 4281720000        | 2        |
| gamma-BHC (Lindane)  | 6564350000 | 6445110000        | 6376450000        | 6329620000        | 6065990000        | 6356310000        | 3        |
| gamma-Chlordane      | 5429110000 | 5433580000        | 5370180000        | 5512260000        | 5391960000        | 5427420000        | 1        |
| Heptachlor           | 6459360000 | 6362530000        | 6415150000        | 6555100000        | 6461320000        | 6450690000        | 1        |
| Heptachlor epoxide   | 5410720000 | 5607600000        | 5590350000        | 5882200000        | 6620370000        | 5822250000        | 8        |
| Methoxychlor         | 1993250000 | 2095700000        | 2001910000        | 2102020000        | 2252130000        | 2089000000        | 5        |
| Tetrachloro-m-xylene | 4057850000 | 4039070000        | 4058380000        | 4076200000        | 4152120000        | 4076720000        | 1        |



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### CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance  
Lab Code: ACE  
Instrument ID: ECD\_L

Contract: ROYF02  
SDG NO.: Q3321

Calibration Date(s): 10/07/2025 10/07/2025  
Calibration Times: 10:33 11:55

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

| LAB FILE ID:         |                   | CF 100 =    | <u>PL097526.D</u> | CF 075 =   | <u>PL097527.D</u> |            |          |
|----------------------|-------------------|-------------|-------------------|------------|-------------------|------------|----------|
| CF 050 =             | <u>PL097528.D</u> | CF 025 =    | <u>PL097529.D</u> | CF 005 =   | <u>PL097530.D</u> |            |          |
| COMPOUND             | CF 100            | CF 075      | CF 050            | CF 025     | CF 005            | CF         | %<br>RSD |
| 4,4'-DDD             | 6363530000        | 6423620000  | 6340540000        | 6352240000 | 6414460000        | 6378880000 | 1        |
| 4,4'-DDE             | 7768680000        | 7645780000  | 7550200000        | 7588550000 | 7409020000        | 7592450000 | 2        |
| 4,4'-DDT             | 6841050000        | 6803500000  | 6637840000        | 6652330000 | 6382250000        | 6663390000 | 3        |
| Aldrin               | 8766150000        | 8705210000  | 8635070000        | 8657680000 | 8595010000        | 8671830000 | 1        |
| alpha-BHC            | 10279400000       | 10079800000 | 9958260000        | 9819180000 | 9198160000        | 9866970000 | 4        |
| alpha-Chlordane      | 8144420000        | 8211300000  | 8127490000        | 8435120000 | 8717860000        | 8327240000 | 3        |
| beta-BHC             | 3856560000        | 3825760000  | 3870120000        | 4044470000 | 4293830000        | 3978150000 | 5        |
| Decachlorobiphenyl   | 4790770000        | 4878130000  | 4964040000        | 5287180000 | 6025240000        | 5189070000 | 10       |
| delta-BHC            | 9345060000        | 9200770000  | 9073180000        | 9002200000 | 8548720000        | 9033990000 | 3        |
| Dieldrin             | 8065300000        | 8399370000  | 8165250000        | 8096170000 | 8615460000        | 8268310000 | 3        |
| Endosulfan I         | 7264600000        | 6965080000  | 7193960000        | 7596220000 | 7851830000        | 7374340000 | 5        |
| Endosulfan II        | 6727550000        | 6799990000  | 6773690000        | 7041530000 | 7182230000        | 6905000000 | 3        |
| Endosulfan sulfate   | 6373610000        | 6493820000  | 6492610000        | 6787240000 | 7141880000        | 6657830000 | 5        |
| Endrin               | 7139620000        | 7398350000  | 7208020000        | 7256580000 | 8004750000        | 7401460000 | 5        |
| Endrin aldehyde      | 5031190000        | 5120350000  | 5235930000        | 5694060000 | 7710960000        | 5758500000 | 19       |
| Endrin ketone        | 7064800000        | 8038380000  | 7654960000        | 7625480000 | 9115720000        | 7899870000 | 10       |
| gamma-BHC (Lindane)  | 9445390000        | 9303450000  | 9218050000        | 9168550000 | 8800820000        | 9187250000 | 3        |
| gamma-Chlordane      | 8467390000        | 8545470000  | 8460560000        | 8844200000 | 9148230000        | 8693170000 | 3        |
| Heptachlor           | 9131850000        | 9119150000  | 9130340000        | 9236480000 | 9343400000        | 9192240000 | 1        |
| Heptachlor epoxide   | 7728450000        | 7679940000  | 7764190000        | 7977750000 | 8339470000        | 7897960000 | 3        |
| Methoxychlor         | 3422660000        | 3497520000  | 3535950000        | 3751710000 | 4018250000        | 3645220000 | 7        |
| Tetrachloro-m-xylene | 6022720000        | 5973970000  | 5995720000        | 6061780000 | 6377890000        | 6086420000 | 3        |



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Fax : 908 789 8922

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** ROYF02  
**Lab Code:** ACE **SDG NO.:** Q3321  
**Instrument ID:** ECD\_L **Date(s) Analyzed:** 10/07/2025 10/07/2025  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 6.20 | 6.10      | 6.30 | 39237900              |
|           |                | 2    | 6.60 | 6.50      | 6.70 | 31957100              |
|           |                | 3    | 7.01 | 6.91      | 7.11 | 141164000             |
|           |                | 4    | 7.10 | 7.00      | 7.20 | 103403000             |
|           |                | 5    | 7.88 | 7.78      | 7.98 | 74016500              |



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

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** ROYF02  
**Lab Code:** ACE **SDG NO.:** Q3321  
**Instrument ID:** ECD\_L **Date(s) Analyzed:** 10/07/2025 10/07/2025  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.06 | 4.96      | 5.16 | 43648800              |
|           |                | 2    | 5.75 | 5.65      | 5.85 | 54814100              |
|           |                | 3    | 6.03 | 5.93      | 6.13 | 56569500              |
|           |                | 4    | 6.66 | 6.56      | 6.76 | 172263000             |
|           |                | 5    | 7.10 | 7.00      | 7.20 | 104730000             |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097526.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 10:33  
 Operator : AR\AJ  
 Sample : PSTDICC100  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC100

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 11:27:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 11:25:02 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|---------|
| -----                       |                 |       |       |         |          |         |         |
| System Monitoring Compounds |                 |       |       |         |          |         |         |
| 1)                          | SA Tetrachlo... | 3.525 | 2.822 | 405.8E6 | 602.3E6  | 99.993  | 100.225 |
| 2)                          | SA Decachlor... | 8.995 | 7.980 | 280.7E6 | 479.1E6  | 98.109  | 98.224  |
| Target Compounds            |                 |       |       |         |          |         |         |
| 2)                          | A alpha-BHC     | 3.971 | 3.327 | 705.8E6 | 1027.9E6 | 102.020 | 101.587 |
| 3)                          | MA gamma-BHC... | 4.299 | 3.659 | 656.4E6 | 944.5E6  | 101.452 | 101.218 |
| 4)                          | MA Heptachlor   | 4.890 | 4.006 | 645.9E6 | 913.2E6  | 100.343 | 100.008 |
| 5)                          | MB Aldrin       | 5.229 | 4.288 | 610.0E6 | 876.6E6  | 101.010 | 100.753 |
| 6)                          | B beta-BHC      | 4.487 | 3.955 | 255.9E6 | 385.7E6  | 99.972  | 99.825  |
| 7)                          | B delta-BHC     | 4.732 | 4.187 | 616.2E6 | 934.5E6  | 101.157 | 101.476 |
| 8)                          | B Heptachlo...  | 5.648 | 4.790 | 541.1E6 | 772.8E6  | 98.367  | 99.769  |
| 9)                          | A Endosulfan I  | 6.029 | 5.161 | 491.8E6 | 726.5E6  | 100.170 | 100.489 |
| 10)                         | B gamma-Chl...  | 5.902 | 5.042 | 542.9E6 | 846.7E6  | 100.546 | 100.040 |
| 11)                         | B alpha-Chl...  | 5.982 | 5.106 | 535.3E6 | 814.4E6  | 100.176 | 100.104 |
| 12)                         | B 4,4'-DDE      | 6.152 | 5.294 | 477.0E6 | 776.9E6  | 101.165 | 101.426 |
| 13)                         | MA Dieldrin     | 6.302 | 5.425 | 532.5E6 | 806.5E6  | 100.885 | 99.384  |
| 14)                         | MA Endrin       | 6.528 | 5.699 | 450.9E6 | 714.0E6  | 100.510 | 99.523  |
| 15)                         | B Endosulfa...  | 6.741 | 5.991 | 442.2E6 | 672.8E6  | 98.275  | 99.658  |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.846 | 378.4E6 | 636.4E6  | 99.305  | 100.181 |
| 17)                         | MA 4,4'-DDT     | 6.975 | 6.099 | 415.9E6 | 684.1E6  | 101.115 | 101.508 |
| 18)                         | B Endrin al...  | 6.870 | 6.169 | 316.5E6 | 503.1E6  | 99.310  | 98.006  |
| 19)                         | B Endosulfa...  | 7.104 | 6.393 | 391.1E6 | 637.4E6  | 99.659  | 99.075  |
| 20)                         | A Methoxychlor  | 7.448 | 6.671 | 199.3E6 | 342.3E6  | 99.783  | 98.372  |
| 21)                         | B Endrin ke...  | 7.583 | 6.897 | 422.7E6 | 706.5E6  | 99.979  | 95.991  |
| 22)                         | Mirex           | 8.060 | 7.085 | 285.5E6 | 487.6E6  | 97.441  | 97.818  |
| -----                       |                 |       |       |         |          |         |         |

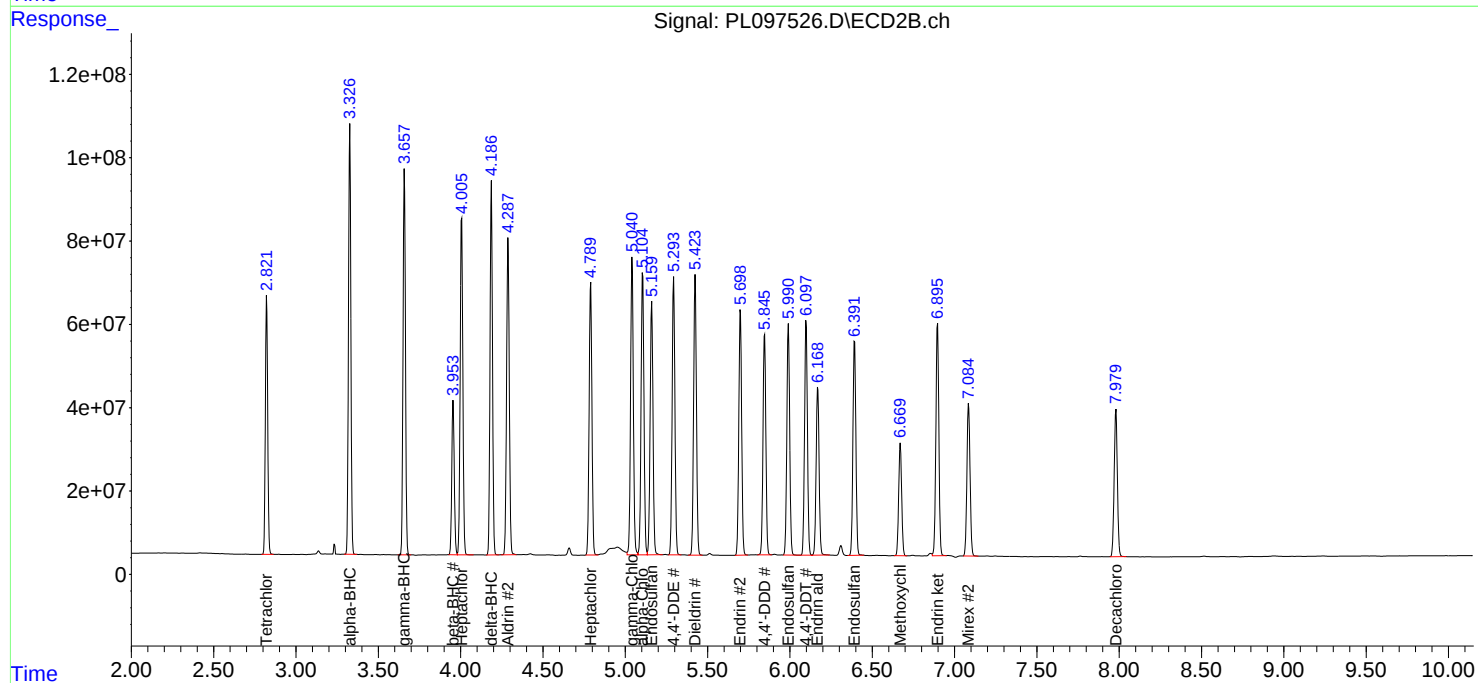
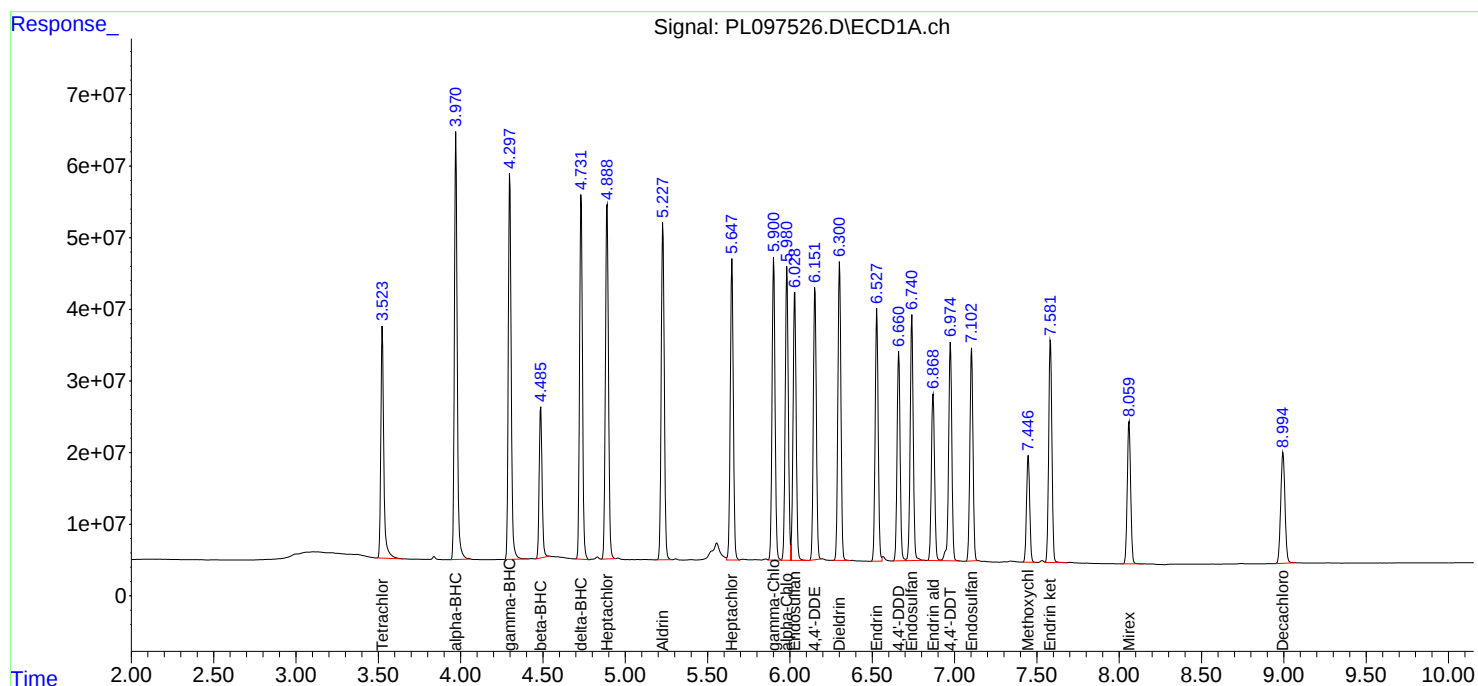
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

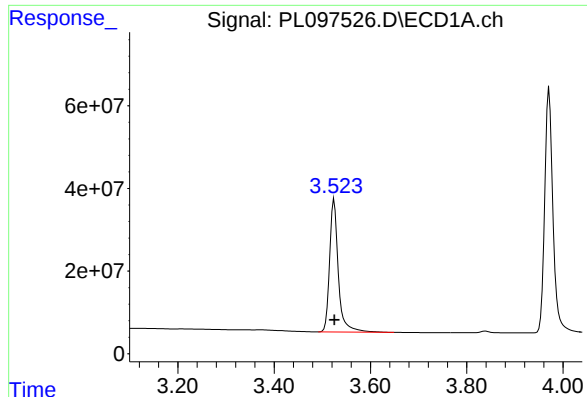
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097526.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 10:33  
Operator : AR\AJ  
Sample : PSTDICC100  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 11:27:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 11:25:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

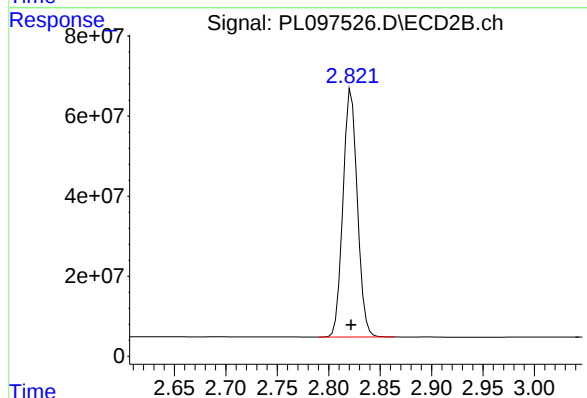




#1 Tetrachloro-m-xylene

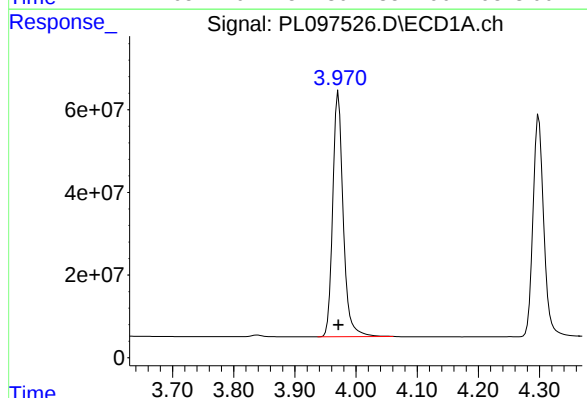
R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 405784728  
Conc: 99.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



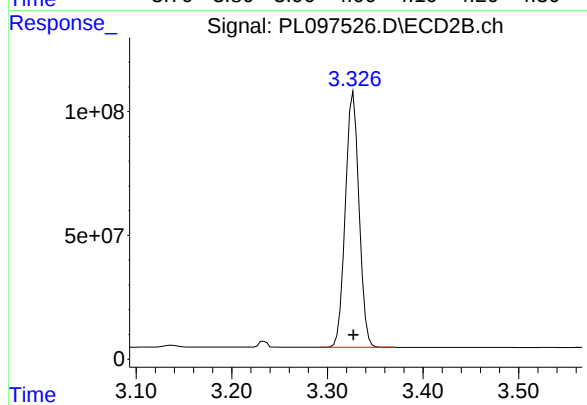
#1 Tetrachloro-m-xylene

R.T.: 2.822 min  
Delta R.T.: 0.000 min  
Response: 602272234  
Conc: 100.22 ng/ml



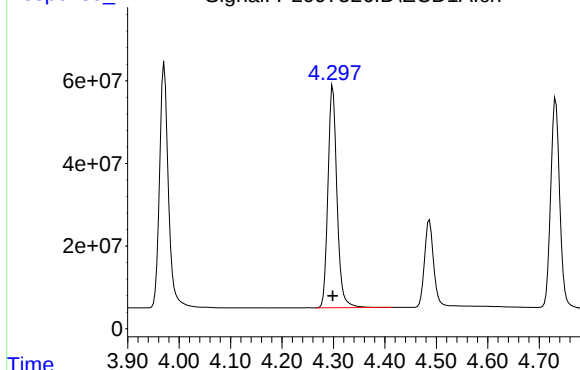
#2 alpha-BHC

R.T.: 3.971 min  
Delta R.T.: 0.000 min  
Response: 705776823  
Conc: 102.02 ng/ml



#2 alpha-BHC

R.T.: 3.327 min  
Delta R.T.: 0.000 min  
Response: 1027944168  
Conc: 101.59 ng/ml



R.T.: 4.299 min  
Delta R.T.: 0.000 min  
Response: 656435480  
Conc: 101.45 ng/ml

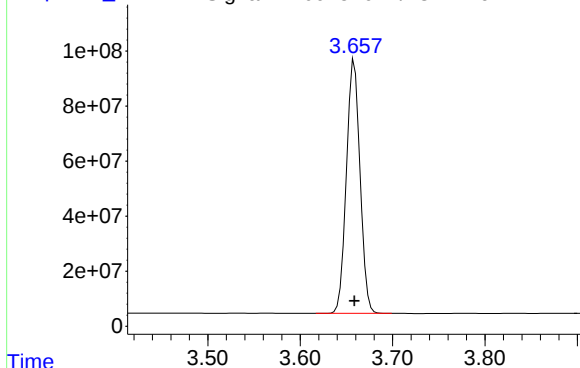
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Time

Response\_

Signal: PL097526.D\ECD2B.ch

#3 gamma-BHC (Lindane)



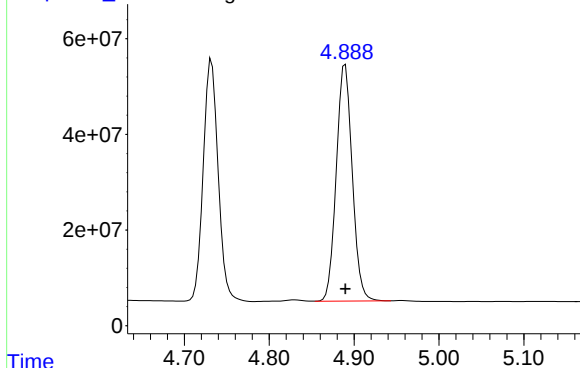
R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 944538686  
Conc: 101.22 ng/ml

Time

Response\_

Signal: PL097526.D\ECD1A.ch

#4 Heptachlor



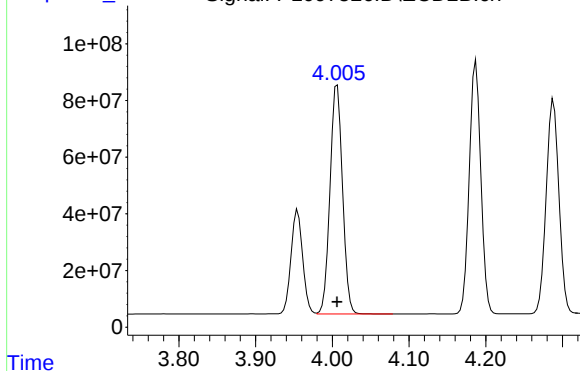
R.T.: 4.890 min  
Delta R.T.: 0.000 min  
Response: 645935870  
Conc: 100.34 ng/ml

Time

Response\_

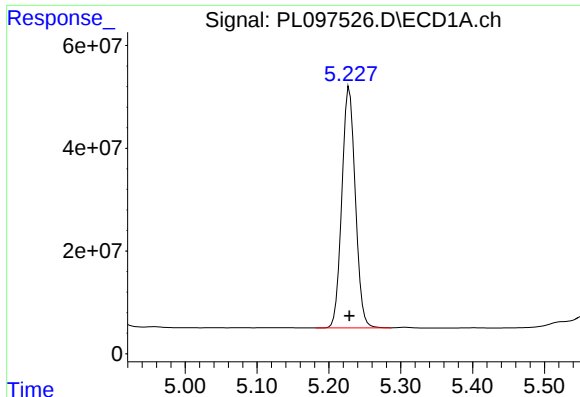
Signal: PL097526.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 913185011  
Conc: 100.01 ng/ml

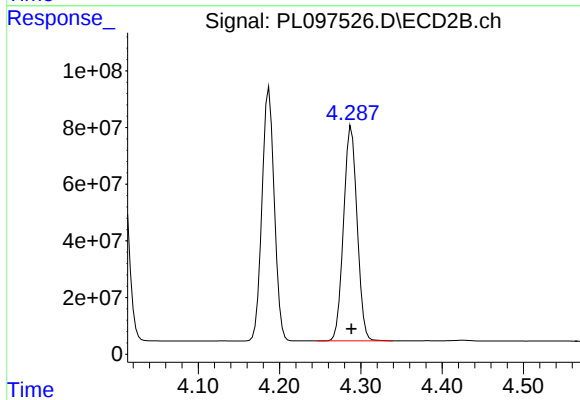
Time



#5 Aldrin

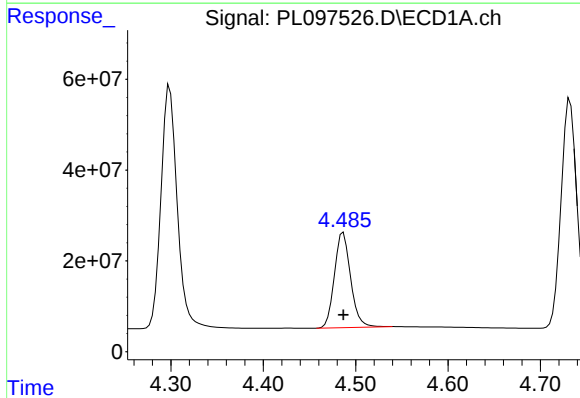
R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 610018132  
Conc: 101.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



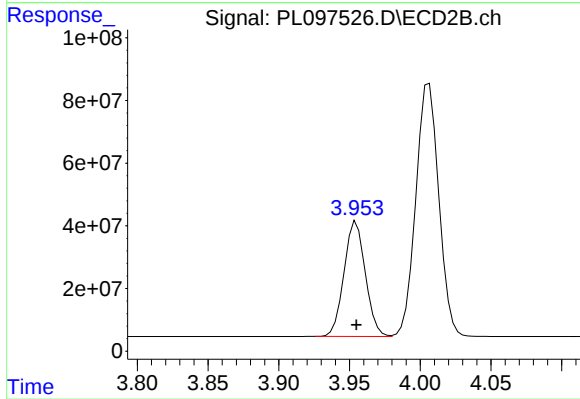
#5 Aldrin

R.T.: 4.288 min  
Delta R.T.: 0.000 min  
Response: 876615092  
Conc: 100.75 ng/ml



#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 255903338  
Conc: 99.97 ng/ml

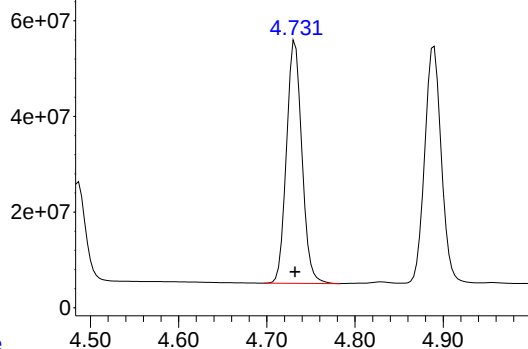


#6 beta-BHC

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 385656247  
Conc: 99.82 ng/ml

Response\_ Signal: PL097526.D\ECD1A.ch

#7 delta-BHC

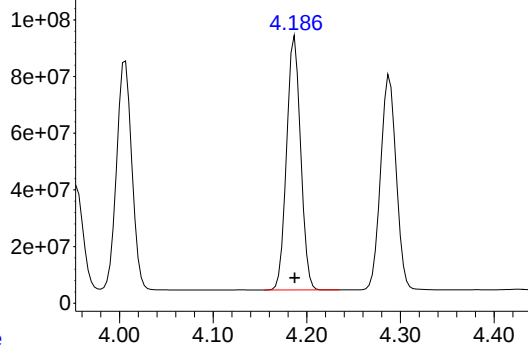


R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 616166638  
Conc: 101.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Time Response\_ Signal: PL097526.D\ECD2B.ch

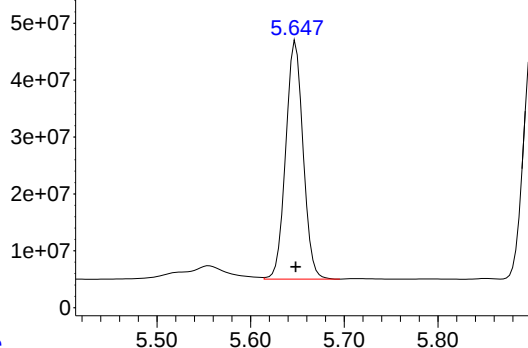
#7 delta-BHC



R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 934506430  
Conc: 101.48 ng/ml

Time Response\_ Signal: PL097526.D\ECD1A.ch

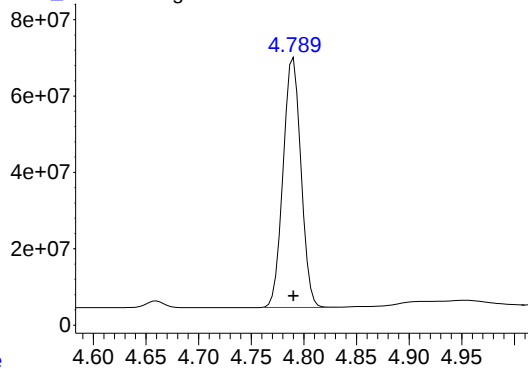
#8 Heptachlor epoxide



R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 541072468  
Conc: 98.37 ng/ml

Time Response\_ Signal: PL097526.D\ECD2B.ch

#8 Heptachlor epoxide

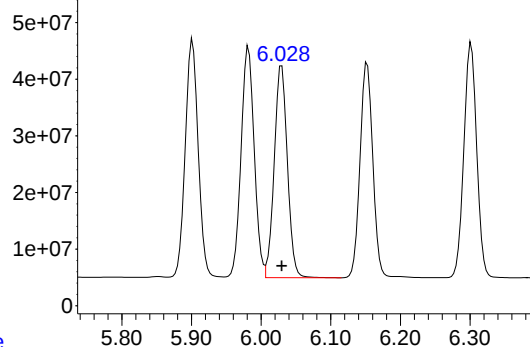


R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 772845405  
Conc: 99.77 ng/ml

Response\_

Signal: PL097526.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 491789699  
Conc: 100.17 ng/ml

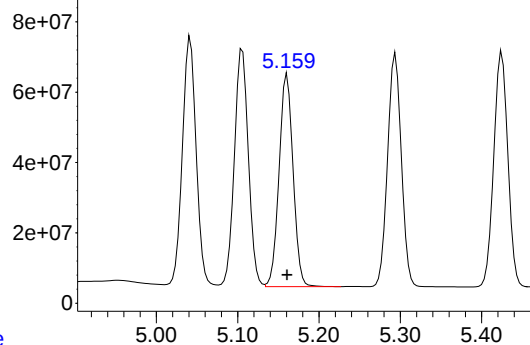
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Time

Response\_

Signal: PL097526.D\ECD2B.ch

#9 Endosulfan I



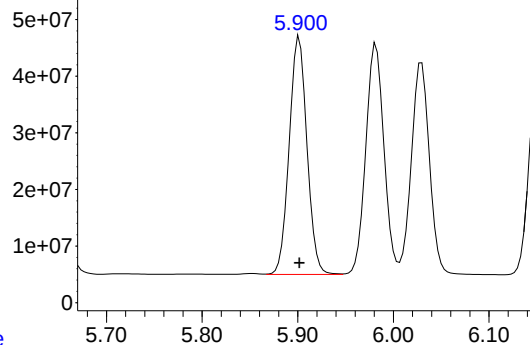
R.T.: 5.161 min  
Delta R.T.: 0.000 min  
Response: 726459913  
Conc: 100.49 ng/ml

Time

Response\_

Signal: PL097526.D\ECD1A.ch

#10 gamma-Chlordane



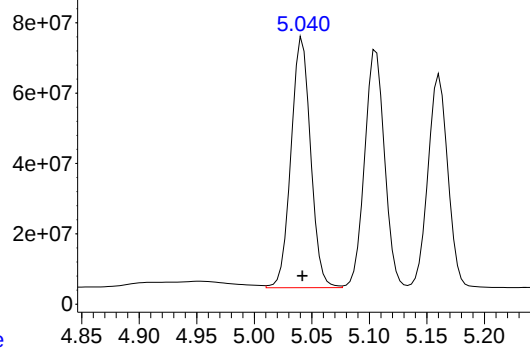
R.T.: 5.902 min  
Delta R.T.: 0.000 min  
Response: 542911019  
Conc: 100.55 ng/ml

Time

Response\_

Signal: PL097526.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.042 min  
Delta R.T.: 0.000 min  
Response: 846739397  
Conc: 100.04 ng/ml

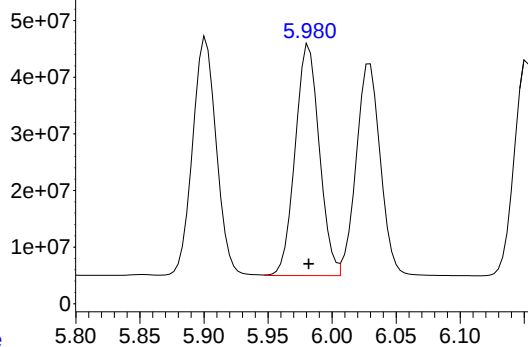
Time

Response\_

Signal: PL097526.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 535328523  
Conc: 100.18 ng/ml

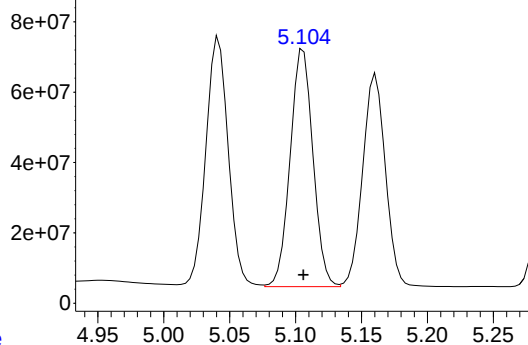
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Time

Response\_

Signal: PL097526.D\ECD2B.ch

#11 alpha-Chlordane



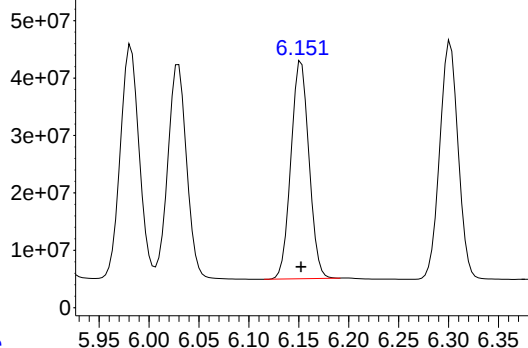
R.T.: 5.106 min  
Delta R.T.: 0.000 min  
Response: 814441698  
Conc: 100.10 ng/ml

Time

Response\_

Signal: PL097526.D\ECD1A.ch

#12 4,4'-DDE



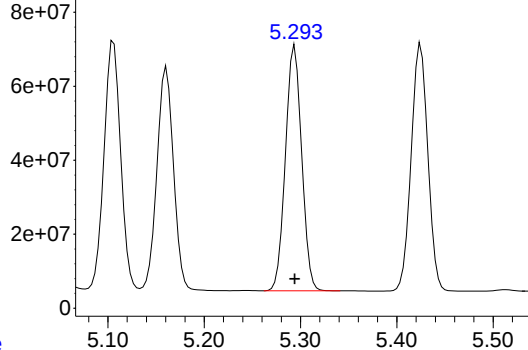
R.T.: 6.152 min  
Delta R.T.: 0.000 min  
Response: 476971701  
Conc: 101.17 ng/ml

Time

Response\_

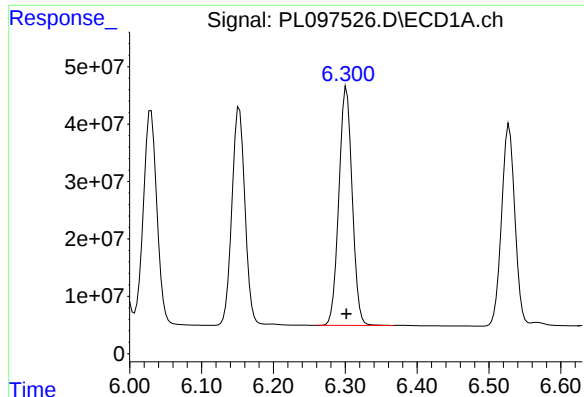
Signal: PL097526.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.294 min  
Delta R.T.: 0.000 min  
Response: 776867890  
Conc: 101.43 ng/ml

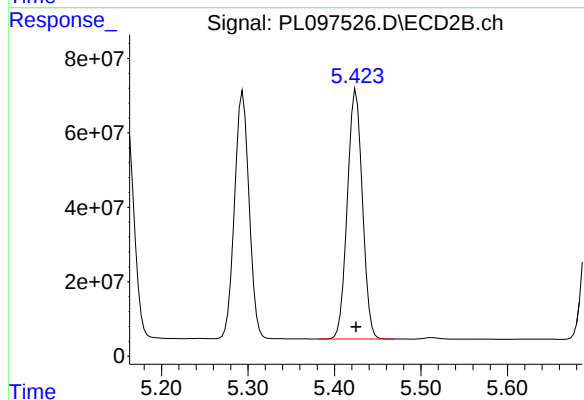
Time



#13 Dieldrin

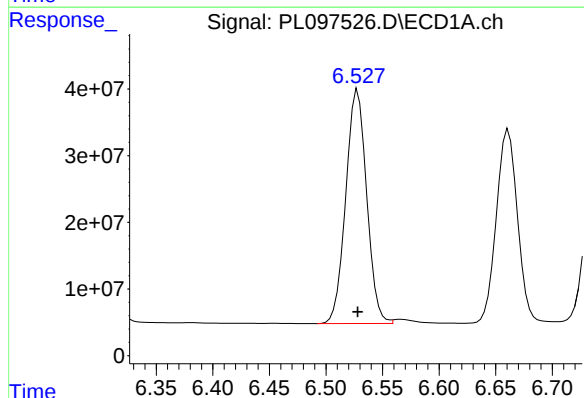
R.T.: 6.302 min  
Delta R.T.: 0.000 min  
Response: 532507675  
Conc: 100.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



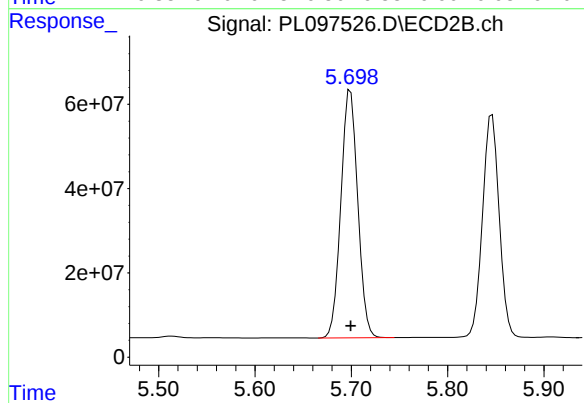
#13 Dieldrin

R.T.: 5.425 min  
Delta R.T.: 0.000 min  
Response: 806529540  
Conc: 99.38 ng/ml



#14 Endrin

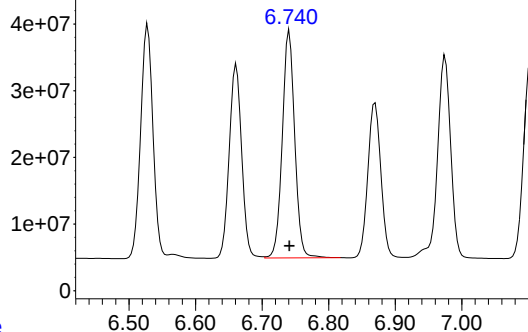
R.T.: 6.528 min  
Delta R.T.: 0.000 min  
Response: 450911770  
Conc: 100.51 ng/ml



#14 Endrin

R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 713962107  
Conc: 99.52 ng/ml

Response\_ Signal: PL097526.D\ECD1A.ch

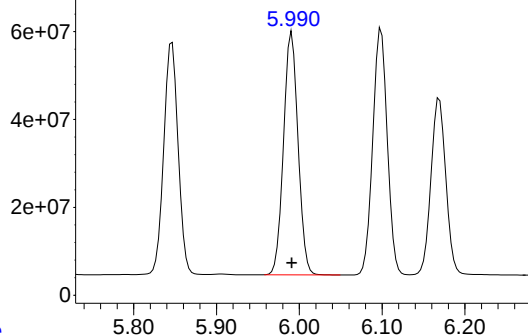


#15 Endosulfan II

R.T.: 6.741 min  
Delta R.T.: 0.000 min  
Response: 442207184  
Conc: 98.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

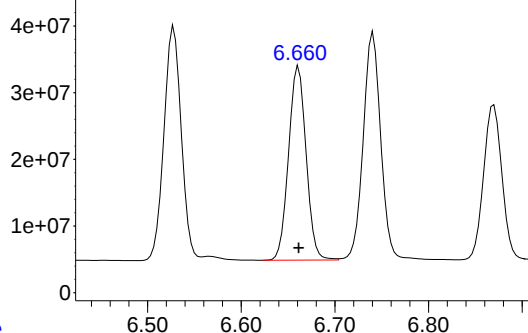
Time Response\_ Signal: PL097526.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.991 min  
Delta R.T.: 0.000 min  
Response: 672754704  
Conc: 99.66 ng/ml

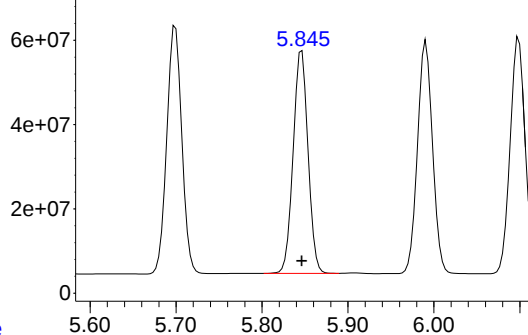
Time Response\_ Signal: PL097526.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 378352033  
Conc: 99.31 ng/ml

Time Response\_ Signal: PL097526.D\ECD2B.ch

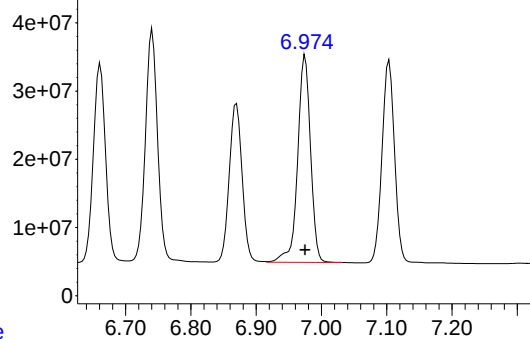


#16 4,4'-DDD

R.T.: 5.846 min  
Delta R.T.: 0.000 min  
Response: 636352980  
Conc: 100.18 ng/ml

Response\_ Signal: PL097526.D\ECD1A.ch

#17 4,4'-DDT

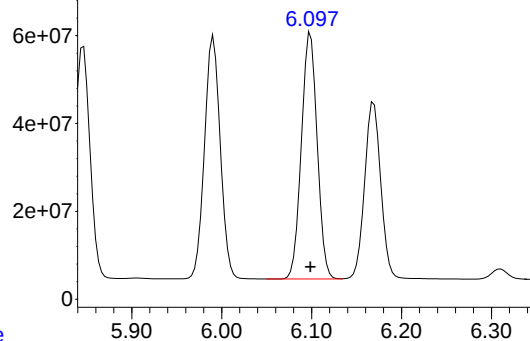


R.T.: 6.975 min  
Delta R.T.: 0.000 min  
Response: 415866277  
Conc: 101.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Time Response\_ Signal: PL097526.D\ECD2B.ch

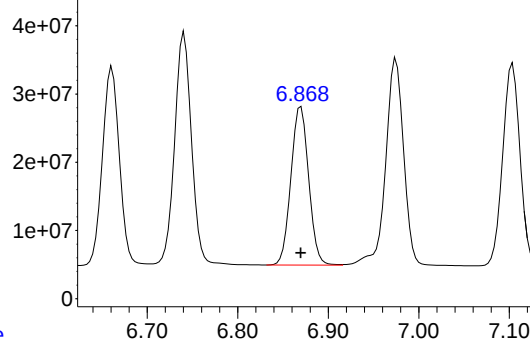
#17 4,4'-DDT



R.T.: 6.099 min  
Delta R.T.: 0.000 min  
Response: 684104994  
Conc: 101.51 ng/ml

Time Response\_ Signal: PL097526.D\ECD1A.ch

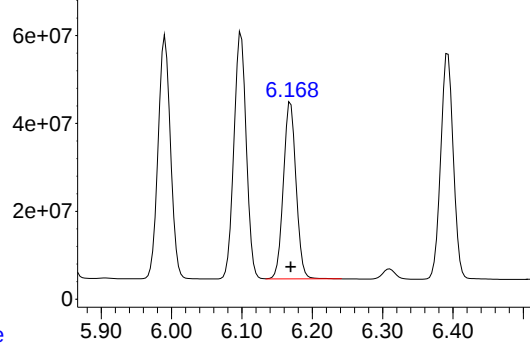
#18 Endrin aldehyde



R.T.: 6.870 min  
Delta R.T.: 0.000 min  
Response: 316506348  
Conc: 99.31 ng/ml

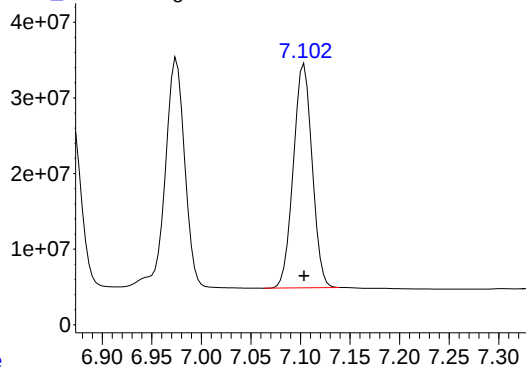
Time Response\_ Signal: PL097526.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.169 min  
Delta R.T.: 0.000 min  
Response: 503118640  
Conc: 98.01 ng/ml

Response\_ Signal: PL097526.D\ECD1A.ch

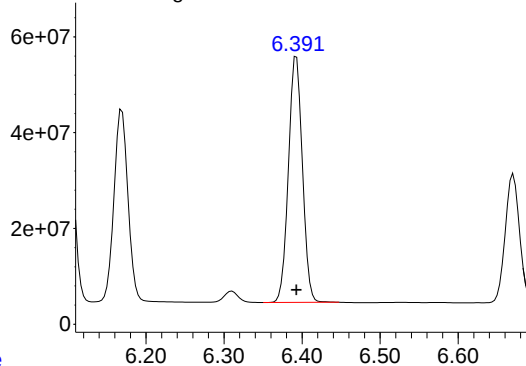


#19 Endosulfan Sulfate

R.T.: 7.104 min  
Delta R.T.: 0.000 min  
Response: 391129687  
Conc: 99.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

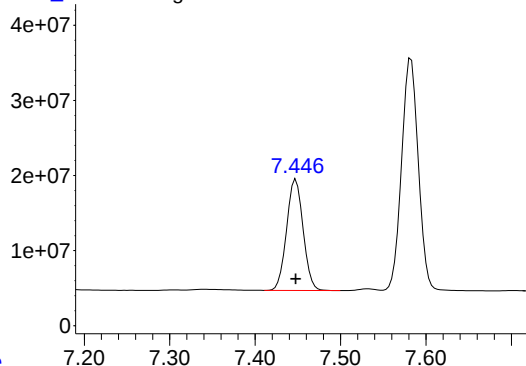
Time Response\_ Signal: PL097526.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.393 min  
Delta R.T.: 0.000 min  
Response: 637360618  
Conc: 99.08 ng/ml

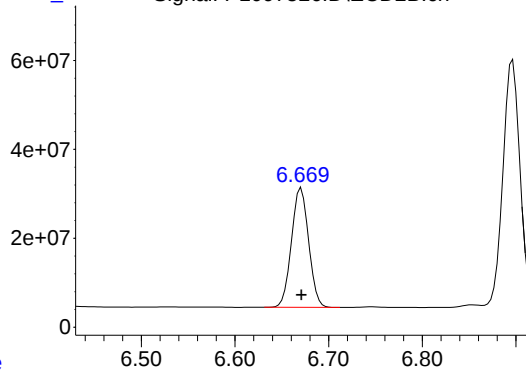
Time Response\_ Signal: PL097526.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.448 min  
Delta R.T.: 0.000 min  
Response: 199324614  
Conc: 99.78 ng/ml

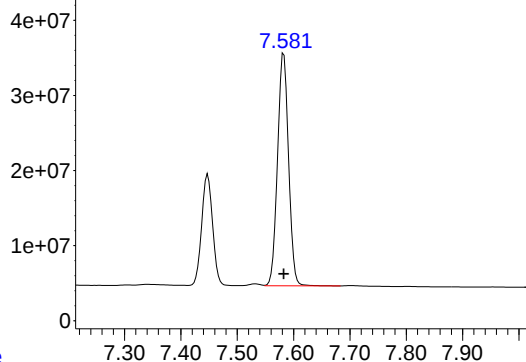
Time Response\_ Signal: PL097526.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.671 min  
Delta R.T.: 0.000 min  
Response: 342265978  
Conc: 98.37 ng/ml

Response\_ Signal: PL097526.D\ECD1A.ch

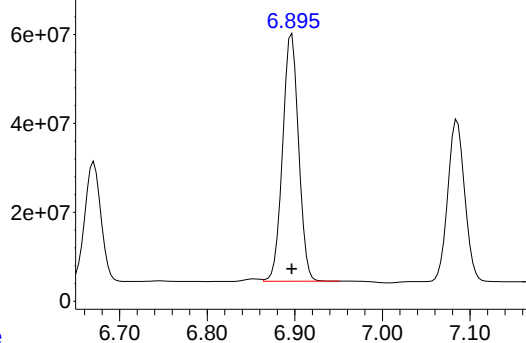


#21 Endrin ketone

R.T.: 7.583 min  
Delta R.T.: 0.000 min  
Response: 422670906  
Conc: 99.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

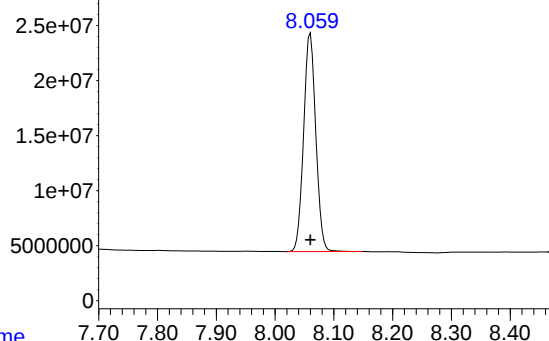
Time Response\_ Signal: PL097526.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.897 min  
Delta R.T.: 0.000 min  
Response: 706479660  
Conc: 95.99 ng/ml

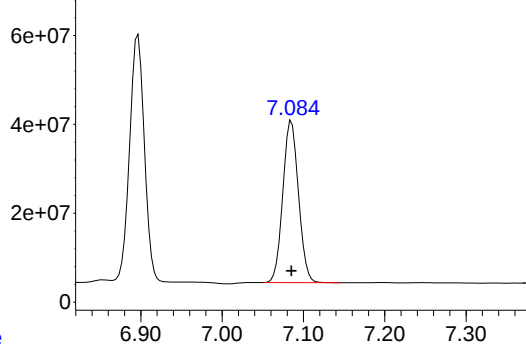
Time Response\_ Signal: PL097526.D\ECD1A.ch



#22 Mirex

R.T.: 8.060 min  
Delta R.T.: 0.000 min  
Response: 285473225  
Conc: 97.44 ng/ml

Time Response\_ Signal: PL097526.D\ECD2B.ch



#22 Mirex

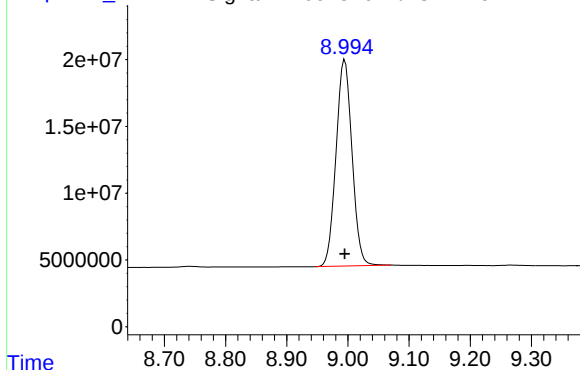
R.T.: 7.085 min  
Delta R.T.: 0.000 min  
Response: 487553358  
Conc: 97.82 ng/ml

Response\_

Signal: PL097526.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 280695429  
Conc: 98.11 ng/ml

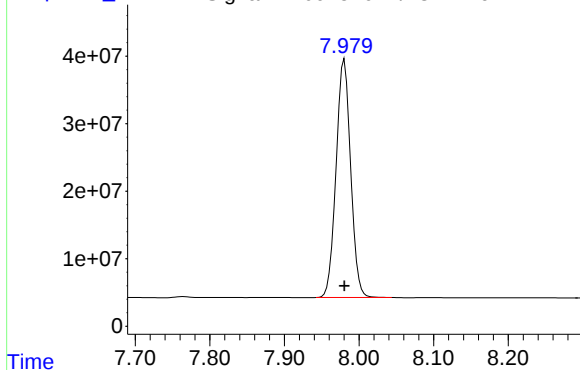
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Time

Response\_

Signal: PL097526.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 479077293  
Conc: 98.22 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097527.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 10:47  
 Operator : AR\AJ  
 Sample : PSTDICC075  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC075

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 11:30:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 11:25:02 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|---------|---------|--------|
| -----                       |                 |       |       |         |         |         |        |
| System Monitoring Compounds |                 |       |       |         |         |         |        |
| 1)                          | SA Tetrachlo... | 3.524 | 2.822 | 302.9E6 | 448.0E6 | 74.765  | 74.706 |
| 28)                         | SA Decachlor... | 8.996 | 7.980 | 213.6E6 | 365.9E6 | 74.773  | 75.007 |
| Target Compounds            |                 |       |       |         |         |         |        |
| 2)                          | A alpha-BHC     | 3.971 | 3.327 | 516.6E6 | 756.0E6 | 74.784  | 74.807 |
| 3)                          | MA gamma-BHC... | 4.299 | 3.659 | 483.4E6 | 697.8E6 | 74.804  | 74.848 |
| 4)                          | MA Heptachlor   | 4.890 | 4.006 | 477.2E6 | 683.9E6 | 74.417  | 74.935 |
| 5)                          | MB Aldrin       | 5.229 | 4.288 | 451.6E6 | 652.9E6 | 74.857  | 75.026 |
| 6)                          | B beta-BHC      | 4.487 | 3.955 | 190.6E6 | 286.9E6 | 74.627  | 74.512 |
| 7)                          | B delta-BHC     | 4.732 | 4.187 | 455.0E6 | 690.1E6 | 74.798  | 74.955 |
| 8)                          | B Heptachlo...  | 5.646 | 4.790 | 420.6E6 | 576.0E6 | 75.990m | 74.570 |
| 9)                          | A Endosulfan I  | 6.028 | 5.161 | 365.9E6 | 522.4E6 | 74.442m | 73.150 |
| 10)                         | B gamma-Chl...  | 5.901 | 5.042 | 407.5E6 | 640.9E6 | 75.493m | 75.480 |
| 11)                         | B alpha-Chl...  | 5.980 | 5.106 | 397.8E6 | 615.8E6 | 74.338m | 75.462 |
| 12)                         | B 4,4'-DDE      | 6.153 | 5.294 | 356.9E6 | 573.4E6 | 75.468  | 74.911 |
| 13)                         | MA Dieldrin     | 6.302 | 5.425 | 393.8E6 | 630.0E6 | 74.738  | 76.730 |
| 14)                         | MA Endrin       | 6.526 | 5.700 | 338.0E6 | 554.9E6 | 75.358m | 76.549 |
| 15)                         | B Endosulfa...  | 6.742 | 5.992 | 341.8E6 | 510.0E6 | 75.631  | 75.365 |
| 16)                         | A 4,4'-DDD      | 6.660 | 5.847 | 280.2E6 | 481.8E6 | 73.939m | 75.561 |
| 17)                         | MA 4,4'-DDT     | 6.975 | 6.099 | 306.5E6 | 510.3E6 | 74.679  | 75.474 |
| 18)                         | B Endrin al...  | 6.870 | 6.170 | 236.5E6 | 384.0E6 | 74.470  | 74.871 |
| 19)                         | B Endosulfa...  | 7.104 | 6.393 | 292.5E6 | 487.0E6 | 74.689  | 75.470 |
| 20)                         | A Methoxychlor  | 7.447 | 6.670 | 157.2E6 | 262.3E6 | 77.591m | 75.261 |
| 21)                         | B Endrin ke...  | 7.583 | 6.897 | 314.8E6 | 602.9E6 | 74.648  | 79.472 |
| 22)                         | Mirex           | 8.061 | 7.086 | 217.5E6 | 373.6E6 | 74.492  | 74.976 |
| -----                       |                 |       |       |         |         |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097527.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 10:47  
Operator : AR\AJ  
Sample : PSTDICC075  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC075

## Manual Integrations

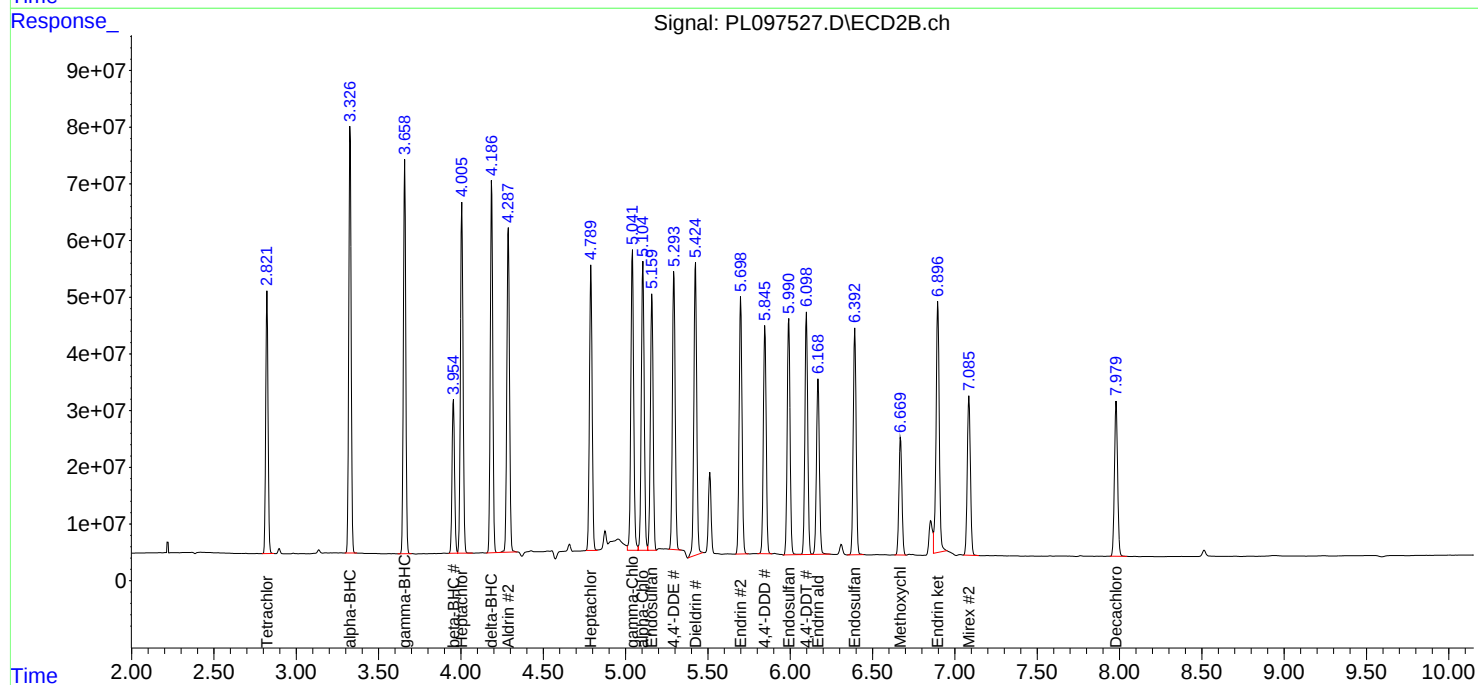
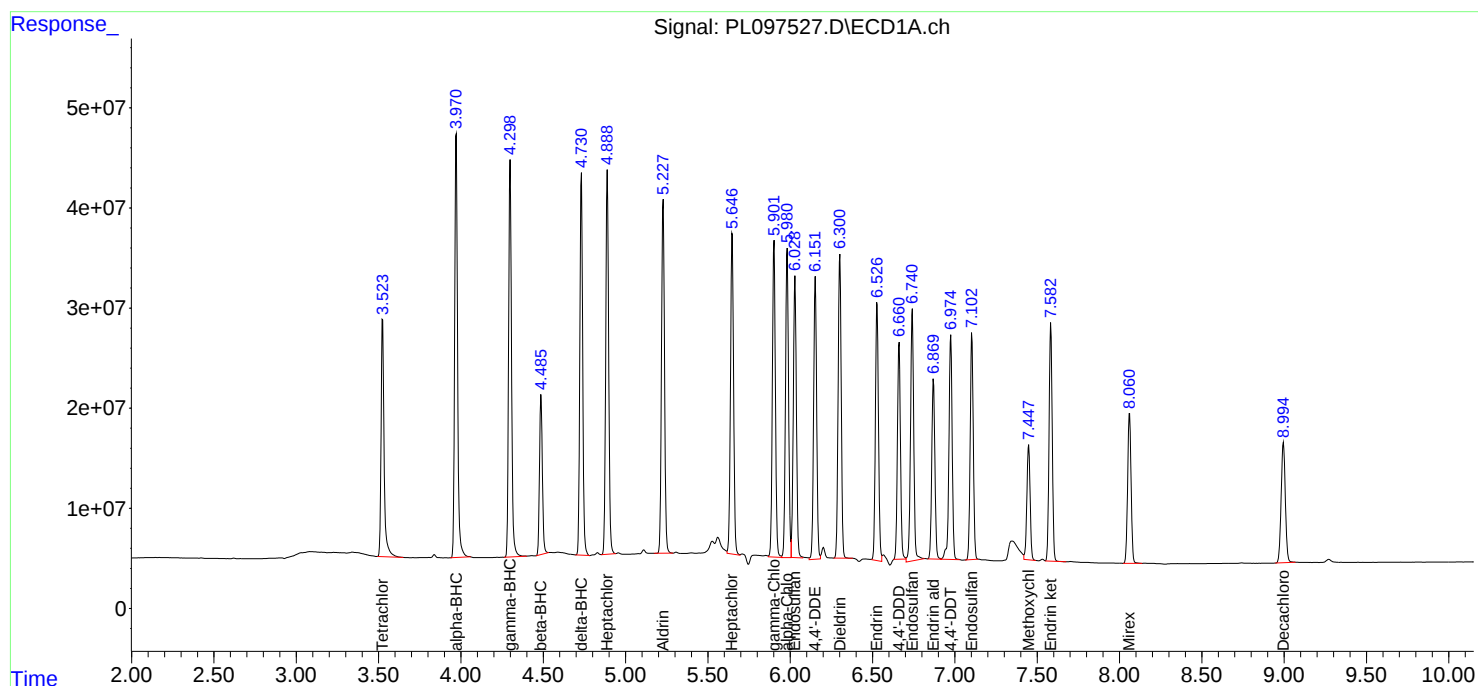
## APPROVED

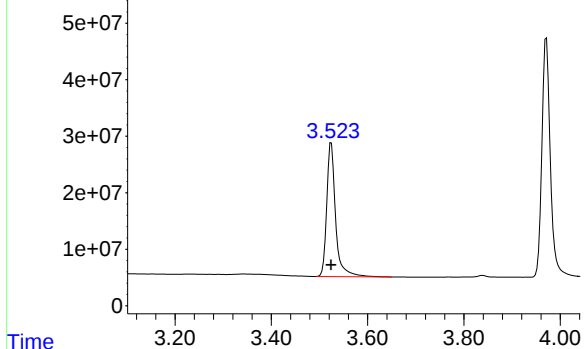
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 11:30:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 11:25:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





R.T.: 3.524 min  
Delta R.T.: 0.000 min  
Response: 302930247  
Conc: 74.76 ng/ml

Instrument :

ECD\_L

ClientSampleId :

PSTDICC075

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/08/2025

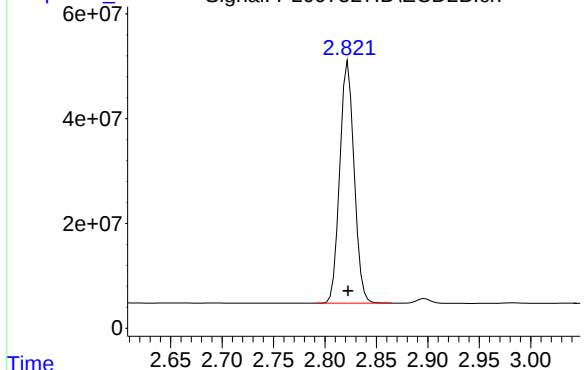
Supervised By :mohammad ahmed 10/09/2025

Time

Response

Signal: PL097527.D\ECD2B.ch

#1 Tetrachloro-m-xylene



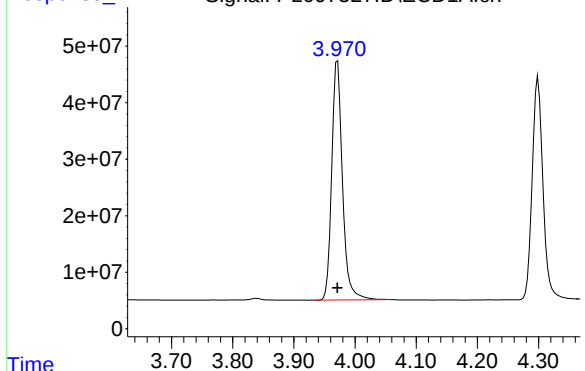
R.T.: 2.822 min  
Delta R.T.: 0.000 min  
Response: 448047560  
Conc: 74.71 ng/ml

Time

Response

Signal: PL097527.D\ECD1A.ch

#2 alpha-BHC



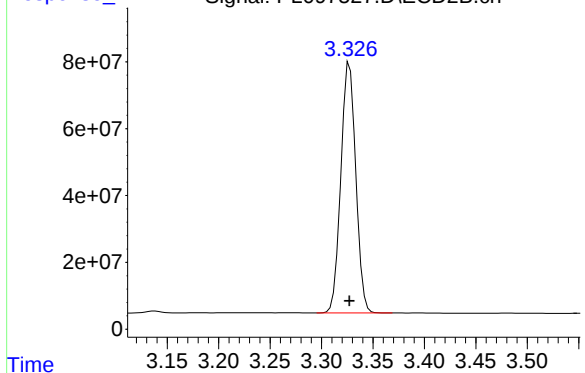
R.T.: 3.971 min  
Delta R.T.: 0.000 min  
Response: 516617502  
Conc: 74.78 ng/ml

Time

Response

Signal: PL097527.D\ECD2B.ch

#2 alpha-BHC



R.T.: 3.327 min  
Delta R.T.: 0.000 min  
Response: 755985175  
Conc: 74.81 ng/ml

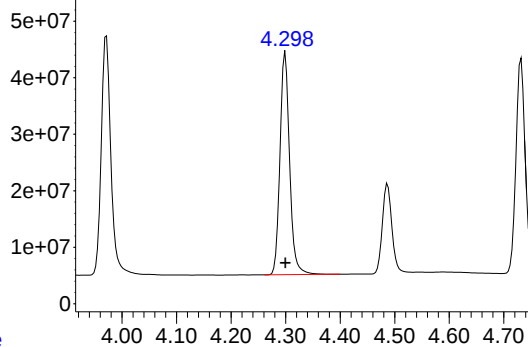
Time

Response\_

Signal: PL097527.D\ECD1A.ch

#3 gamma-BHC (Lindane)

ICAL Form



R.T.: 4.299 min  
Delta R.T.: 0.000 min  
Response: 483383553  
Conc: 74.80 ng/ml

Instrument :

ECD\_L

ClientSampleId :

PSTDICC075

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/08/2025

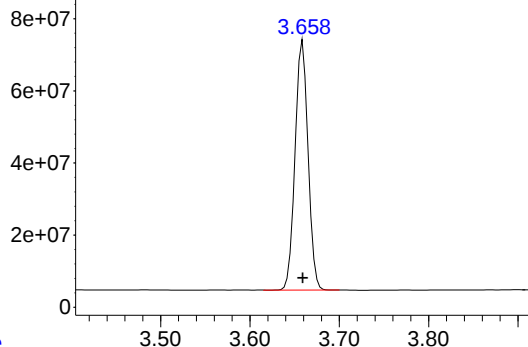
Supervised By :mohammad ahmed 10/09/2025

Time

Response\_

Signal: PL097527.D\ECD2B.ch

#3 gamma-BHC (Lindane)



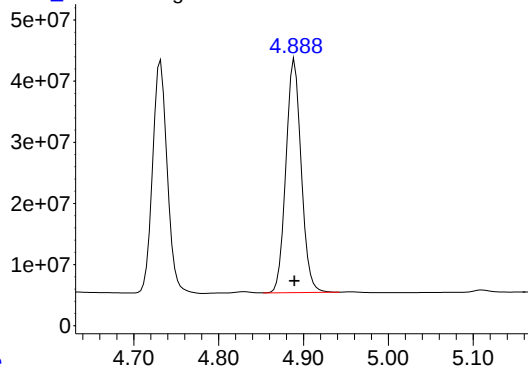
R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 697758459  
Conc: 74.85 ng/ml

Time

Response\_

Signal: PL097527.D\ECD1A.ch

#4 Heptachlor



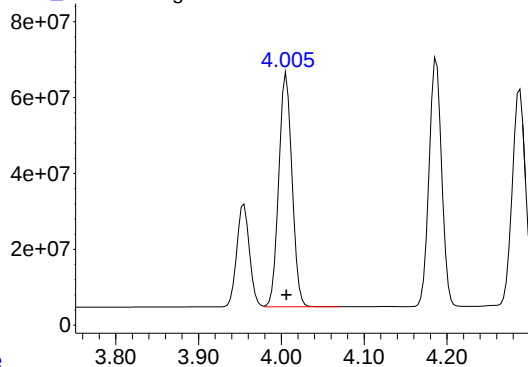
R.T.: 4.890 min  
Delta R.T.: 0.000 min  
Response: 477189790  
Conc: 74.42 ng/ml

Time

Response\_

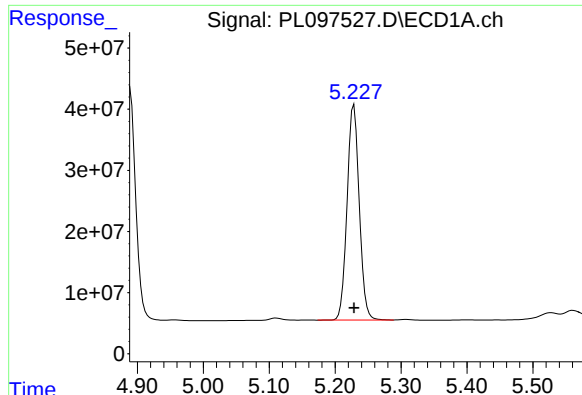
Signal: PL097527.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 683936271  
Conc: 74.93 ng/ml

Time



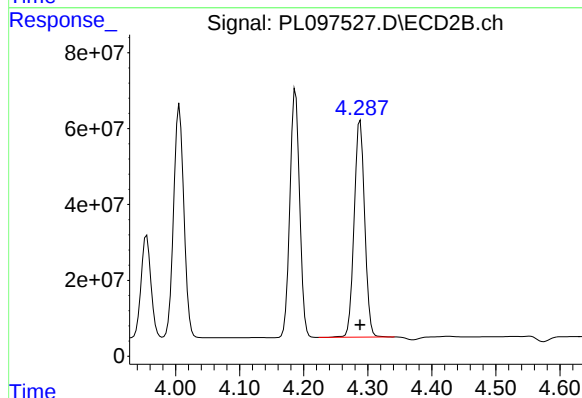
#5 Aldrin

R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 451646966  
Conc: 74.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

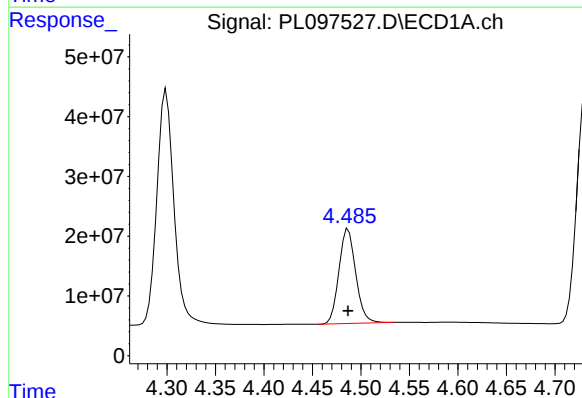
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



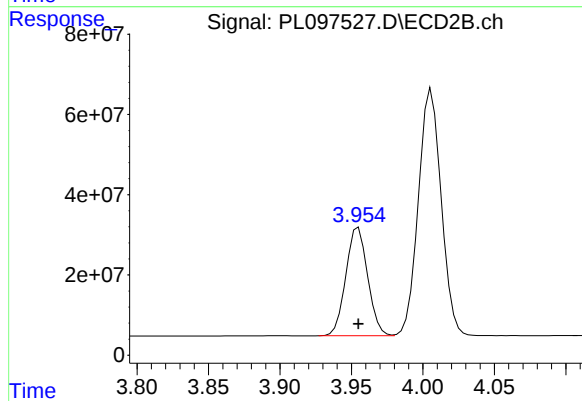
#5 Aldrin

R.T.: 4.288 min  
Delta R.T.: 0.000 min  
Response: 652890999  
Conc: 75.03 ng/ml



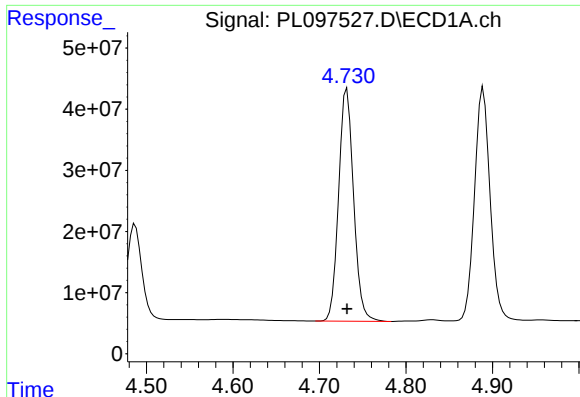
#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 190550928  
Conc: 74.63 ng/ml



#6 beta-BHC

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 286931948  
Conc: 74.51 ng/ml



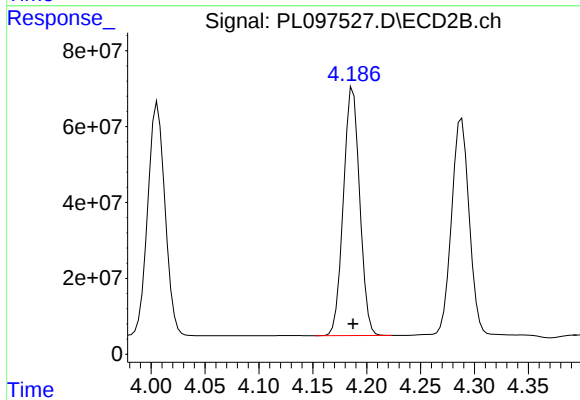
#7 delta-BHC

R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 454996867  
Conc: 74.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

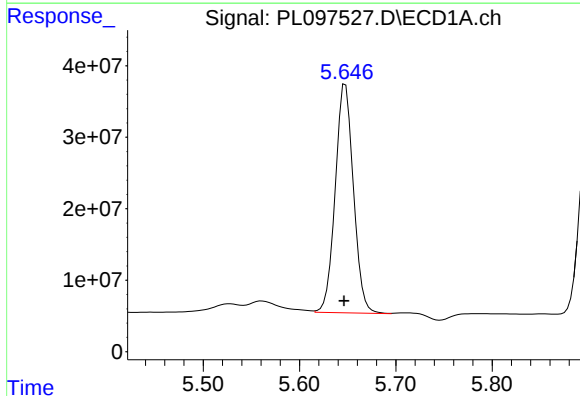
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



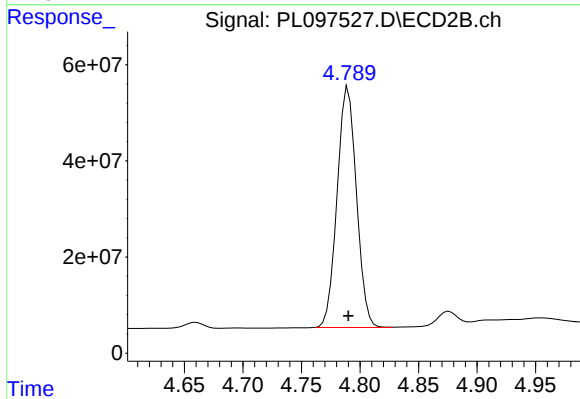
#7 delta-BHC

R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 690058074  
Conc: 74.95 ng/ml



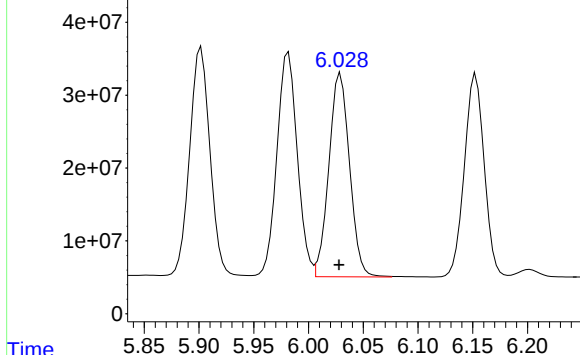
#8 Heptachlor epoxide

R.T.: 5.646 min  
Delta R.T.: 0.000 min  
Response: 420569748  
Conc: 75.99 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 575995630  
Conc: 74.57 ng/ml

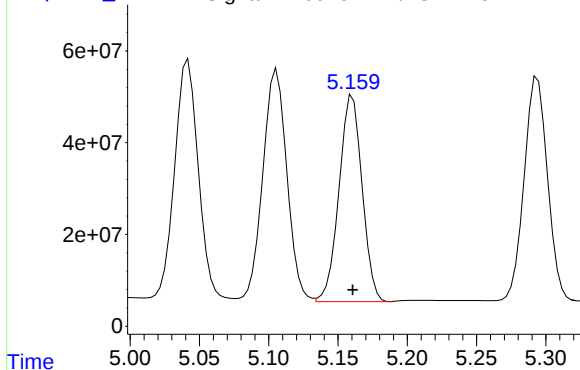


R.T.: 6.028 min  
Delta R.T.: 0.000 min  
Response: 365885715  
Conc: 74.44 ng/ml

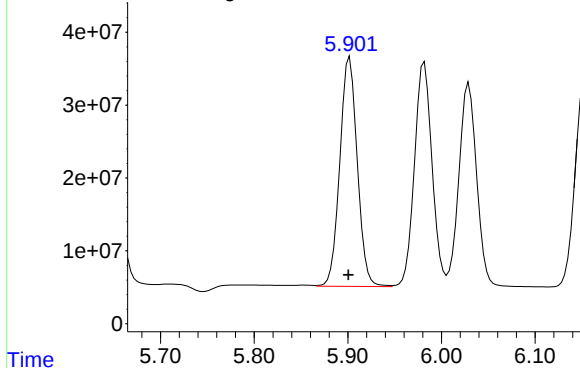
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

Manual Integrations  
APPROVED

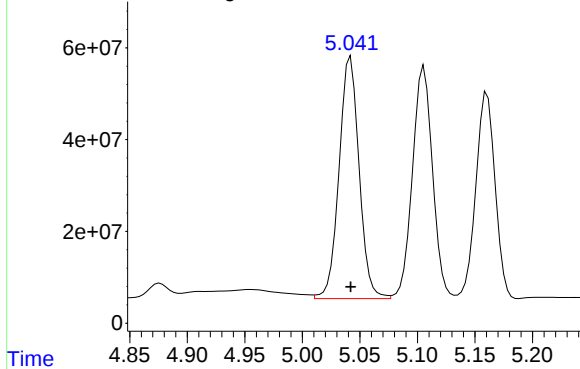
Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



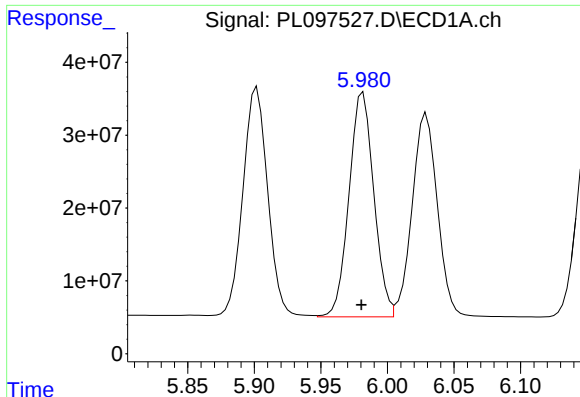
R.T.: 5.161 min  
Delta R.T.: 0.000 min  
Response: 522380899  
Conc: 73.15 ng/ml



R.T.: 5.901 min  
Delta R.T.: 0.000 min  
Response: 407518316  
Conc: 75.49 ng/ml m



R.T.: 5.042 min  
Delta R.T.: 0.000 min  
Response: 640909927  
Conc: 75.48 ng/ml



#11 alpha-Chlordane

R.T.: 5.980 min  
Delta R.T.: 0.000 min  
Response: 397757163  
Conc: 74.34 ng/ml

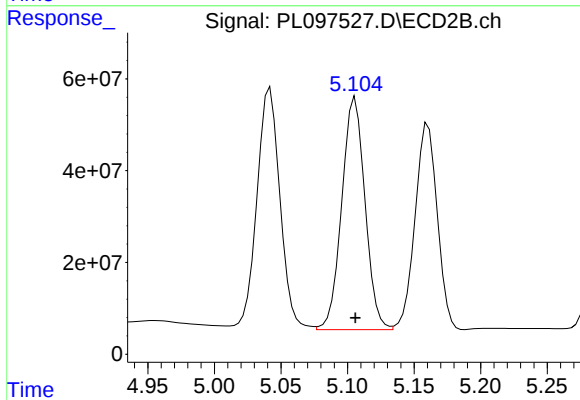
Instrument :

ECD\_L

ClientSampleId :  
PSTDICC075

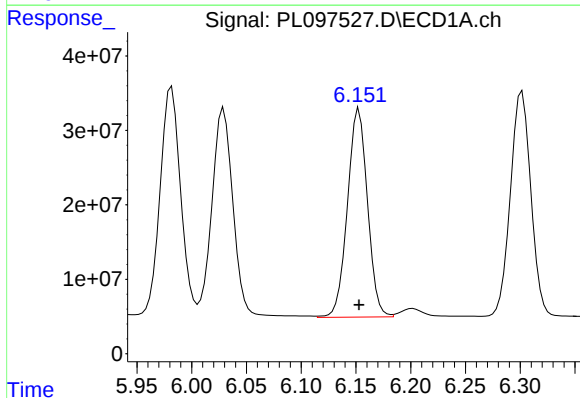
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



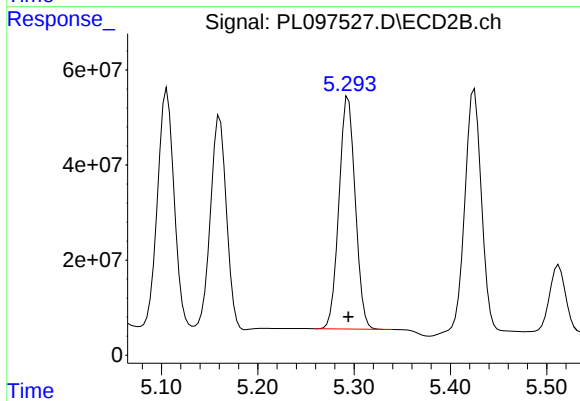
#11 alpha-Chlordane

R.T.: 5.106 min  
Delta R.T.: 0.000 min  
Response: 615847187  
Conc: 75.46 ng/ml



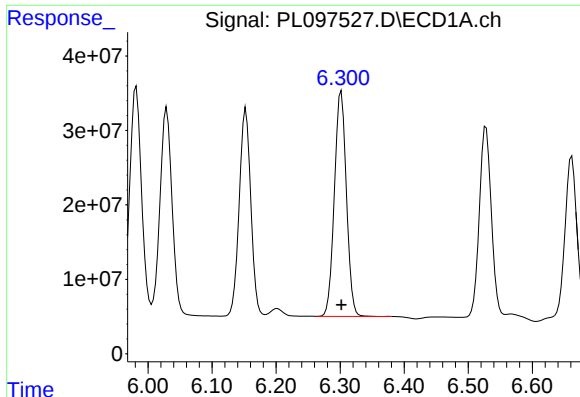
#12 4,4'-DDE

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 356926123  
Conc: 75.47 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min  
Delta R.T.: 0.000 min  
Response: 573433508  
Conc: 74.91 ng/ml



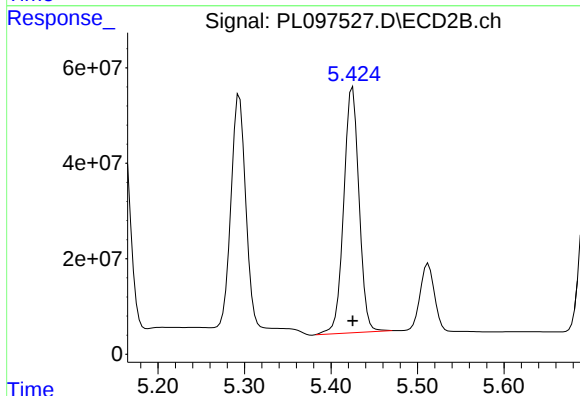
#13 Dieldrin

R.T.: 6.302 min  
Delta R.T.: 0.000 min  
Response: 393808283  
Conc: 74.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

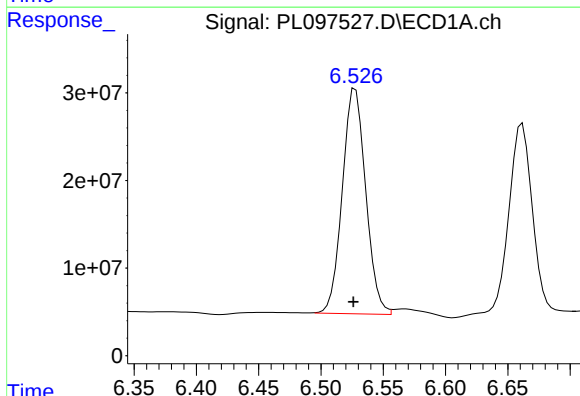
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



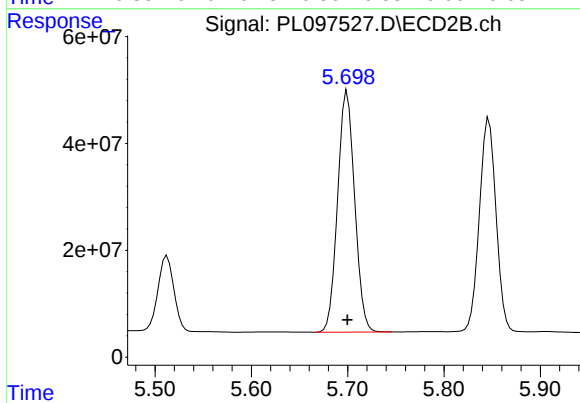
#13 Dieldrin

R.T.: 5.425 min  
Delta R.T.: 0.000 min  
Response: 629952690  
Conc: 76.73 ng/ml



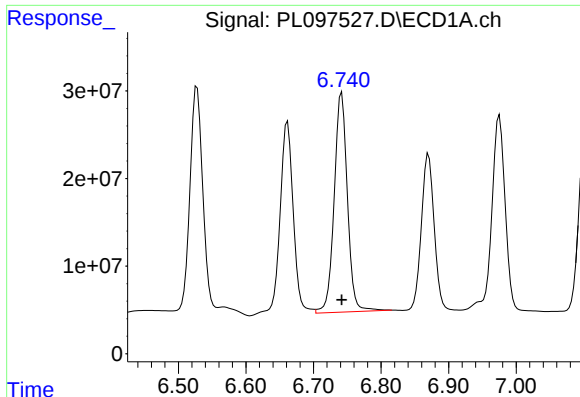
#14 Endrin

R.T.: 6.526 min  
Delta R.T.: 0.000 min  
Response: 338042167  
Conc: 75.36 ng/ml m



#14 Endrin

R.T.: 5.700 min  
Delta R.T.: 0.000 min  
Response: 554876055  
Conc: 76.55 ng/ml



#15 Endosulfan II

R.T.: 6.742 min  
Delta R.T.: 0.000 min  
Response: 341750205  
Conc: 75.63 ng/ml

Instrument :

ECD\_L

ClientSampleId :

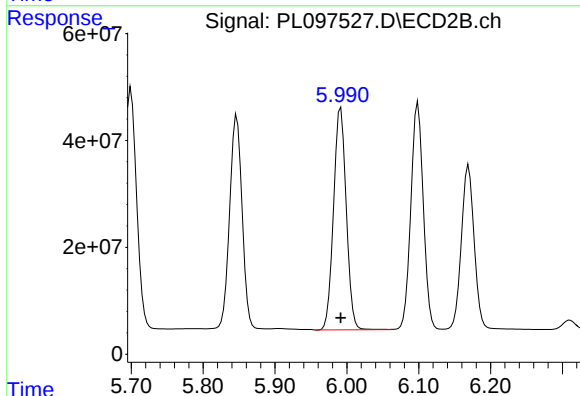
PSTDICC075

Manual Integrations

APPROVED

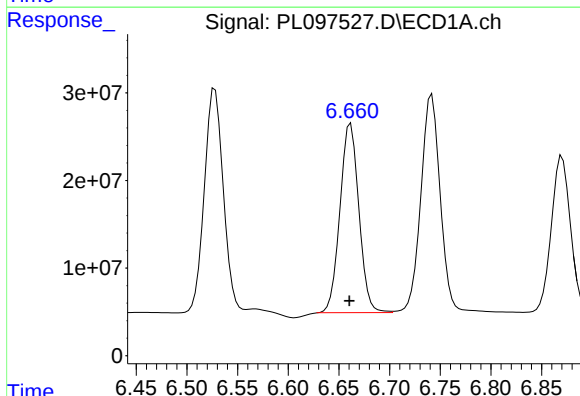
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



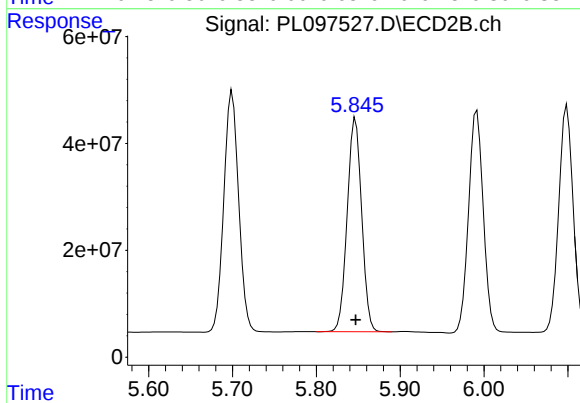
#15 Endosulfan II

R.T.: 5.992 min  
Delta R.T.: 0.000 min  
Response: 509999026  
Conc: 75.36 ng/ml



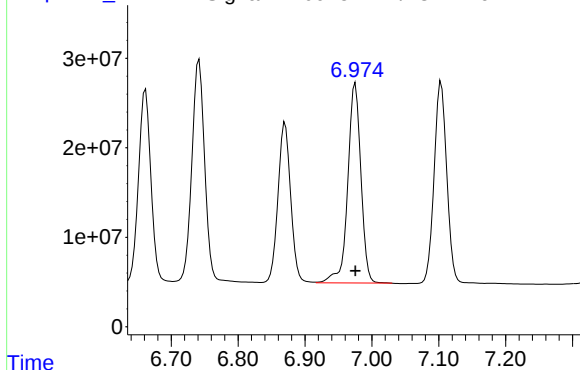
#16 4,4'-DDD

R.T.: 6.660 min  
Delta R.T.: 0.000 min  
Response: 280183888  
Conc: 73.94 ng/ml m



#16 4,4'-DDD

R.T.: 5.847 min  
Delta R.T.: 0.000 min  
Response: 481771702  
Conc: 75.56 ng/ml



R.T.: 6.975 min  
Delta R.T.: 0.000 min  
Response: 306485212  
Conc: 74.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

Manual Integrations  
APPROVED

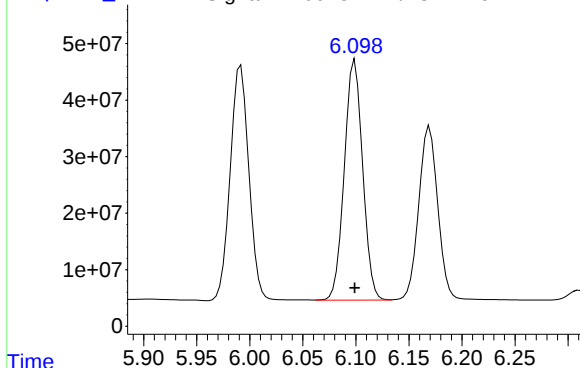
Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025

Time

Response\_

Signal: PL097527.D\ECD2B.ch

#17 4,4'-DDT



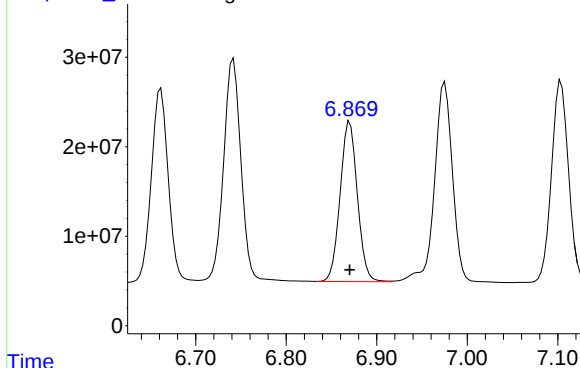
R.T.: 6.099 min  
Delta R.T.: 0.000 min  
Response: 510262134  
Conc: 75.47 ng/ml

Time

Response\_

Signal: PL097527.D\ECD1A.ch

#18 Endrin aldehyde



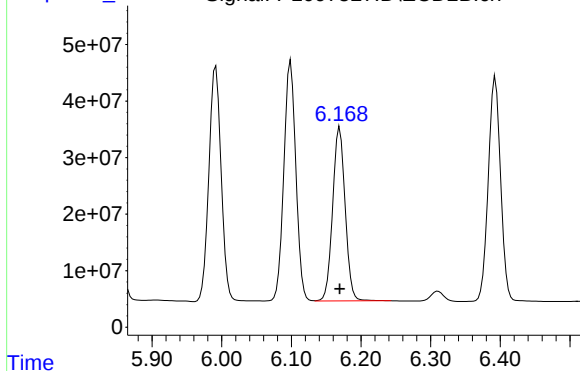
R.T.: 6.870 min  
Delta R.T.: 0.000 min  
Response: 236501651  
Conc: 74.47 ng/ml

Time

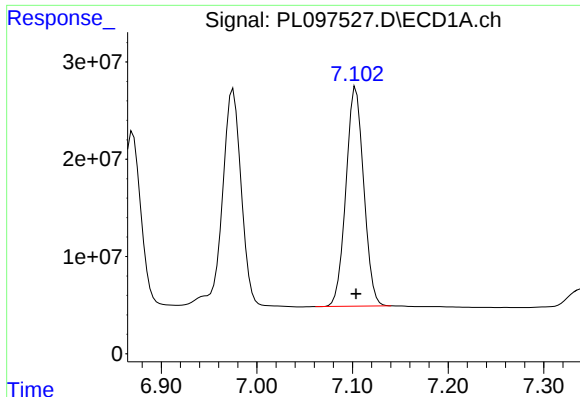
Response\_

Signal: PL097527.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.170 min  
Delta R.T.: 0.000 min  
Response: 384026584  
Conc: 74.87 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.104 min  
Delta R.T.: 0.000 min  
Response: 292524727  
Conc: 74.69 ng/ml

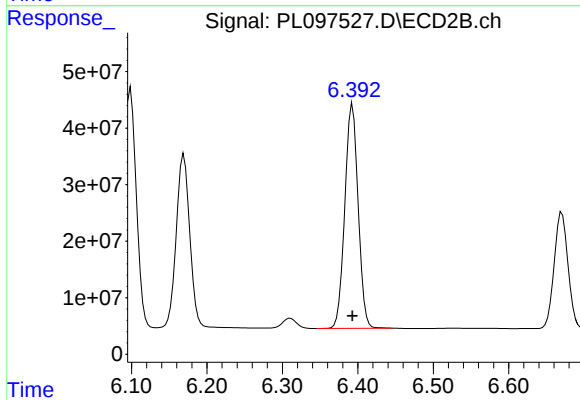
Instrument :

ECD\_L

ClientSampleId :  
PSTDICC075

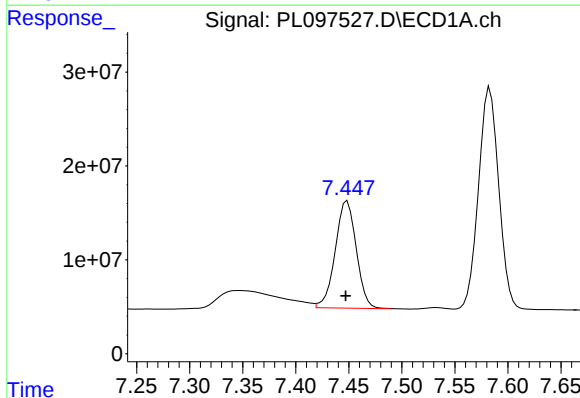
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



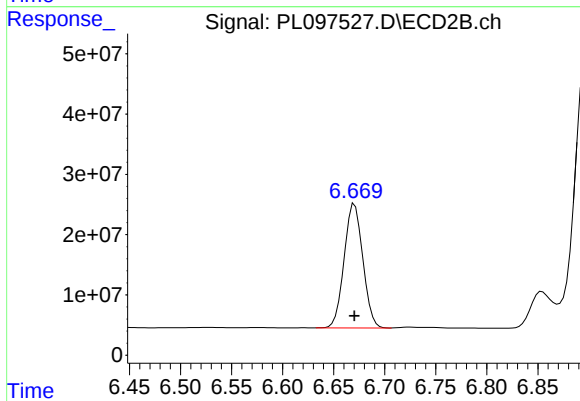
#19 Endosulfan Sulfate

R.T.: 6.393 min  
Delta R.T.: 0.000 min  
Response: 487036846  
Conc: 75.47 ng/ml



#20 Methoxychlor

R.T.: 7.447 min  
Delta R.T.: 0.000 min  
Response: 157177153  
Conc: 77.59 ng/ml m



#20 Methoxychlor

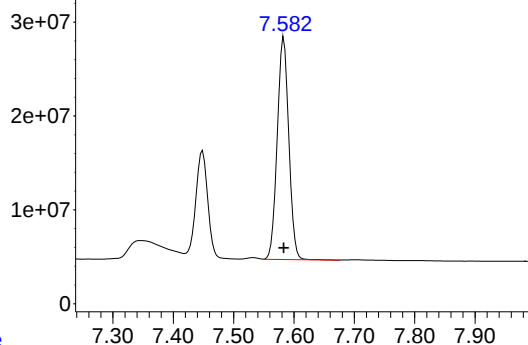
R.T.: 6.670 min  
Delta R.T.: 0.000 min  
Response: 262313861  
Conc: 75.26 ng/ml

Response\_

Signal: PL097527.D\ECD1A.ch

#21 Endrin ketone

ICAL Form



R.T.: 7.583 min  
Delta R.T.: 0.000 min  
Response: 314843055  
Conc: 74.65 ng/ml

Instrument :

ECD\_L

ClientSampleId :

PSTDICC075

Manual Integrations

APPROVED

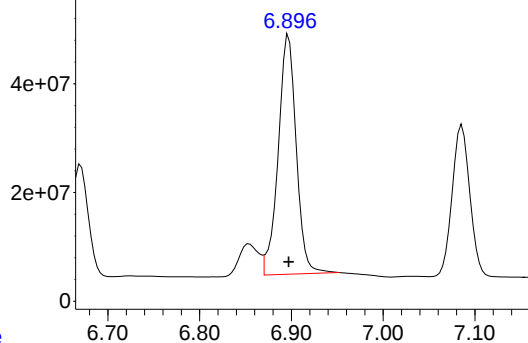
Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025

Time

Response\_

Signal: PL097527.D\ECD2B.ch

#21 Endrin ketone



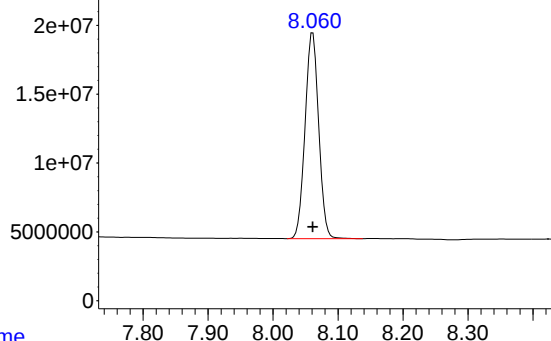
R.T.: 6.897 min  
Delta R.T.: 0.000 min  
Response: 602878858  
Conc: 79.47 ng/ml

Time

Response\_

Signal: PL097527.D\ECD1A.ch

#22 Mirex



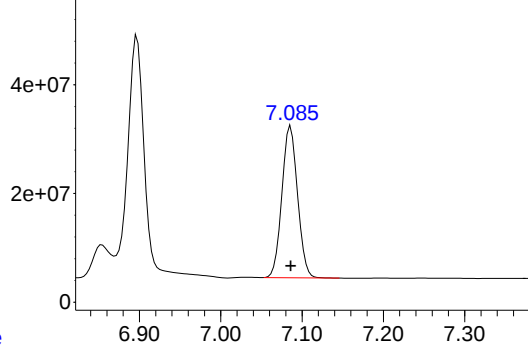
R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 217502312  
Conc: 74.49 ng/ml

Time

Response\_

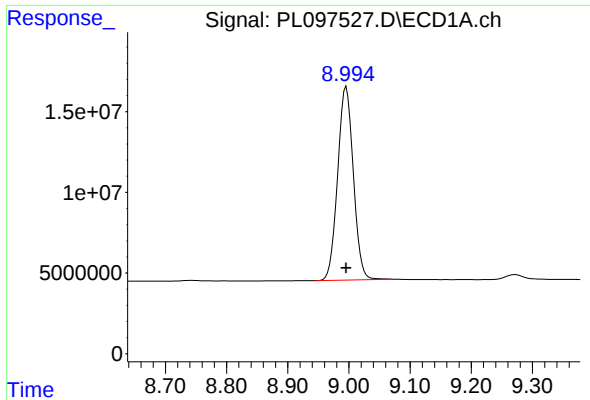
Signal: PL097527.D\ECD2B.ch

#22 Mirex



R.T.: 7.086 min  
Delta R.T.: 0.000 min  
Response: 373645226  
Conc: 74.98 ng/ml

Time



#28 Decachlorobiphenyl

R.T.: 8.996 min

Delta R.T.: 0.000 min

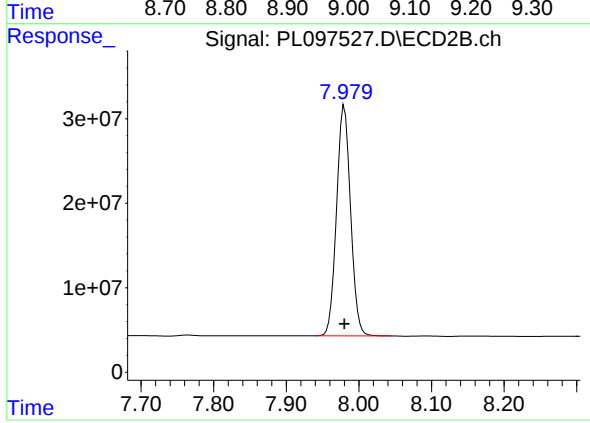
Response: 213606726

Conc: 74.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min

Delta R.T.: 0.000 min

Response: 365860089

Conc: 75.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097528.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 11:00  
 Operator : AR\AJ  
 Sample : PSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 11:25:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 11:25:02 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|---------|--------|--------|
| -----                       |                 |       |       |         |         |        |        |
| System Monitoring Compounds |                 |       |       |         |         |        |        |
| 1)                          | SA Tetrachlo... | 3.525 | 2.823 | 202.9E6 | 299.8E6 | 50.000 | 50.000 |
| 28)                         | SA Decachlor... | 8.995 | 7.980 | 145.8E6 | 248.2E6 | 50.000 | 50.000 |
| Target Compounds            |                 |       |       |         |         |        |        |
| 2)                          | A alpha-BHC     | 3.972 | 3.328 | 338.9E6 | 497.9E6 | 50.000 | 50.000 |
| 3)                          | MA gamma-BHC... | 4.300 | 3.659 | 318.8E6 | 460.9E6 | 50.000 | 50.000 |
| 4)                          | MA Heptachlor   | 4.890 | 4.007 | 320.8E6 | 456.5E6 | 50.000 | 50.000 |
| 5)                          | MB Aldrin       | 5.229 | 4.288 | 298.9E6 | 431.8E6 | 50.000 | 50.000 |
| 6)                          | B beta-BHC      | 4.487 | 3.955 | 128.0E6 | 193.5E6 | 50.000 | 50.000 |
| 7)                          | B delta-BHC     | 4.732 | 4.187 | 301.0E6 | 453.7E6 | 50.000 | 50.000 |
| 8)                          | B Heptachlo...  | 5.648 | 4.790 | 279.5E6 | 388.2E6 | 50.000 | 50.000 |
| 9)                          | A Endosulfan I  | 6.030 | 5.161 | 245.1E6 | 359.7E6 | 50.000 | 50.000 |
| 10)                         | B gamma-Chl...  | 5.902 | 5.042 | 268.5E6 | 423.0E6 | 50.000 | 50.000 |
| 11)                         | B alpha-Chl...  | 5.982 | 5.106 | 266.7E6 | 406.4E6 | 50.000 | 50.000 |
| 12)                         | B 4,4'-DDE      | 6.153 | 5.295 | 233.0E6 | 377.5E6 | 50.000 | 50.000 |
| 13)                         | MA Dieldrin     | 6.302 | 5.425 | 261.6E6 | 408.3E6 | 50.000 | 50.000 |
| 14)                         | MA Endrin       | 6.528 | 5.699 | 223.2E6 | 360.4E6 | 50.000 | 50.000 |
| 15)                         | B Endosulfa...  | 6.741 | 5.991 | 228.9E6 | 338.7E6 | 50.000 | 50.000 |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.846 | 191.8E6 | 317.0E6 | 50.000 | 50.000 |
| 17)                         | MA 4,4'-DDT     | 6.975 | 6.099 | 203.3E6 | 331.9E6 | 50.000 | 50.000 |
| 18)                         | B Endrin al...  | 6.871 | 6.169 | 160.5E6 | 261.8E6 | 50.000 | 50.000 |
| 19)                         | B Endosulfa...  | 7.104 | 6.393 | 196.9E6 | 324.6E6 | 50.000 | 50.000 |
| 20)                         | A Methoxychlor  | 7.448 | 6.671 | 100.1E6 | 176.8E6 | 50.000 | 50.000 |
| 21)                         | B Endrin ke...  | 7.583 | 6.897 | 211.4E6 | 382.7E6 | 50.000 | 50.000 |
| 22)                         | Mirex           | 8.061 | 7.086 | 150.2E6 | 254.7E6 | 50.000 | 50.000 |
| -----                       |                 |       |       |         |         |        |        |

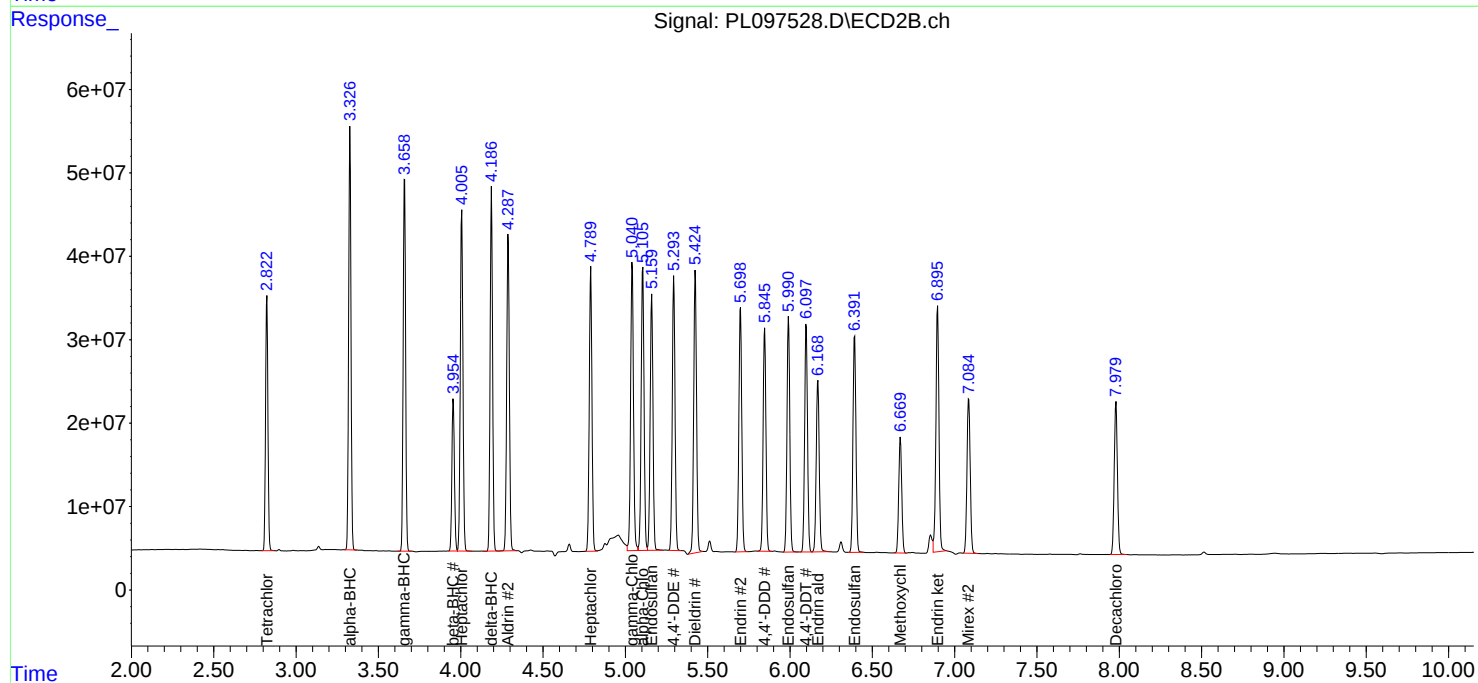
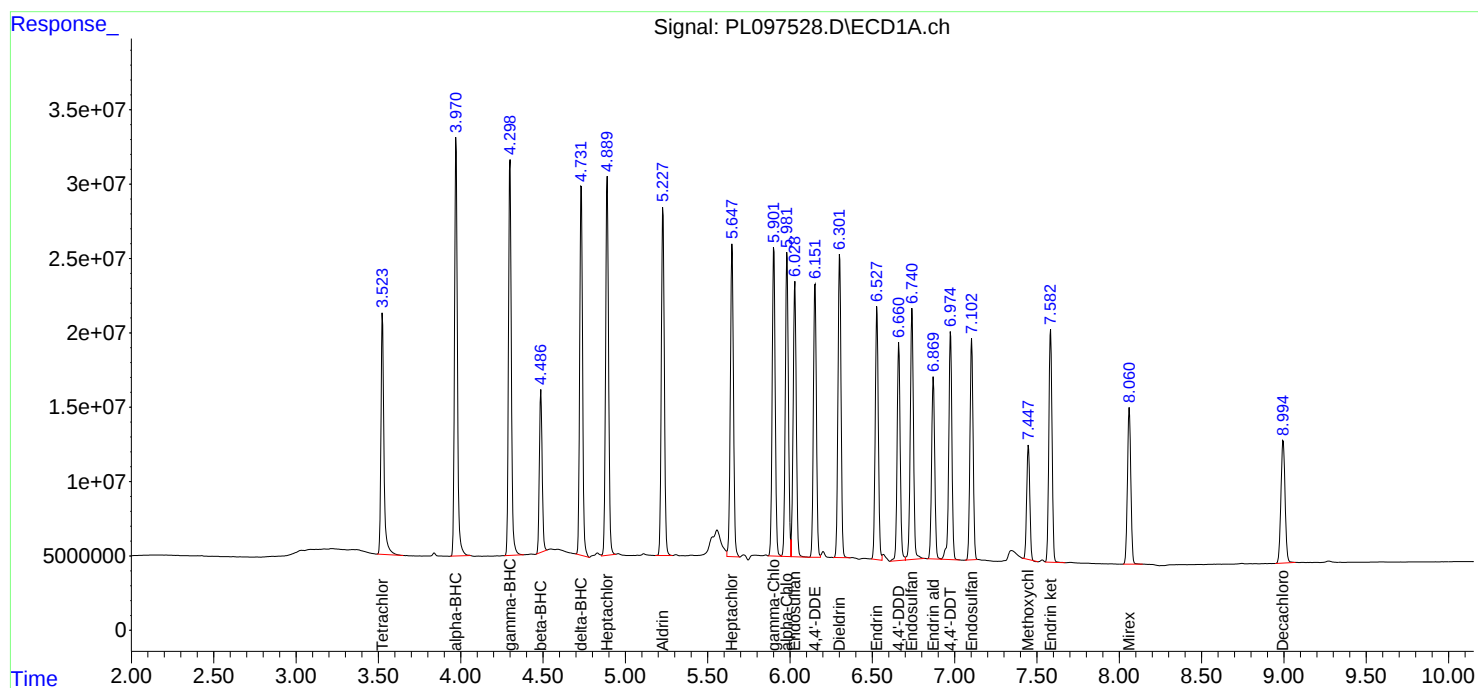
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

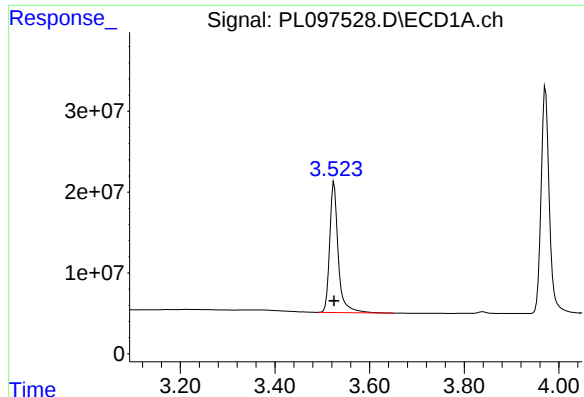
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097528.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 11:00  
Operator : AR\AJ  
Sample : PSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 11:25:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 11:25:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

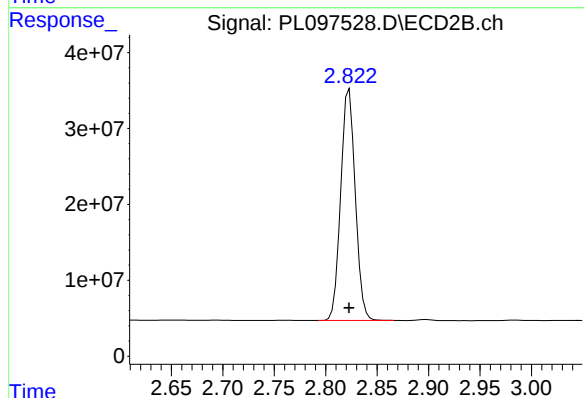




## #1 Tetrachloro-m-xylene

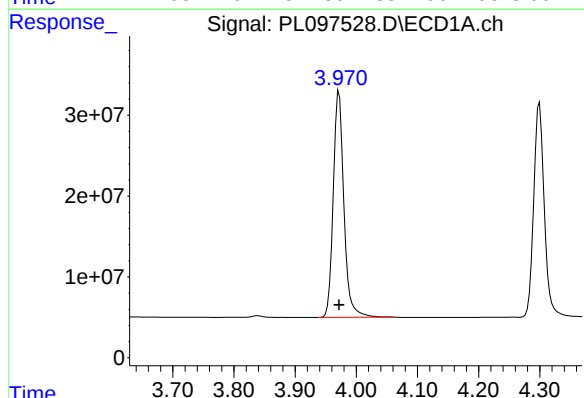
R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 202919079  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



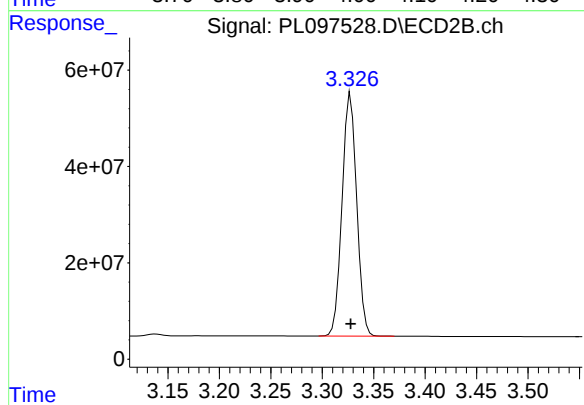
## #1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 299786209  
Conc: 50.00 ng/ml



## #2 alpha-BHC

R.T.: 3.972 min  
Delta R.T.: 0.000 min  
Response: 338913672  
Conc: 50.00 ng/ml



## #2 alpha-BHC

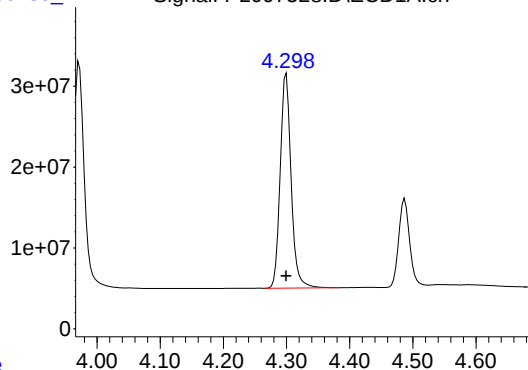
R.T.: 3.328 min  
Delta R.T.: 0.000 min  
Response: 497913104  
Conc: 50.00 ng/ml

Response\_

Signal: PL097528.D\ECD1A.ch

#3 gamma-BHC (Lindane)

ICAL Form



R.T.: 4.300 min  
Delta R.T.: 0.000 min  
Response: 318822608  
Conc: 50.00 ng/ml

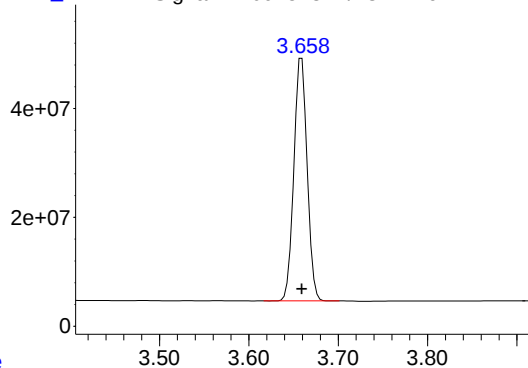
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Time

Response\_

Signal: PL097528.D\ECD2B.ch

#3 gamma-BHC (Lindane)



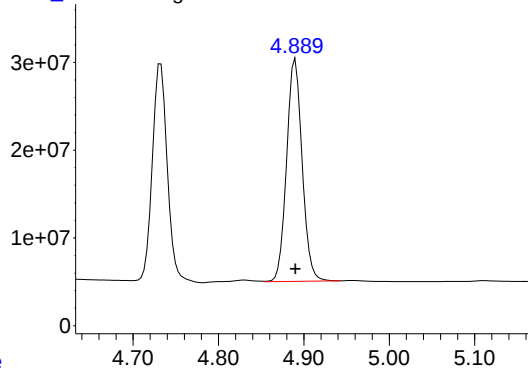
R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 460902497  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PL097528.D\ECD1A.ch

#4 Heptachlor



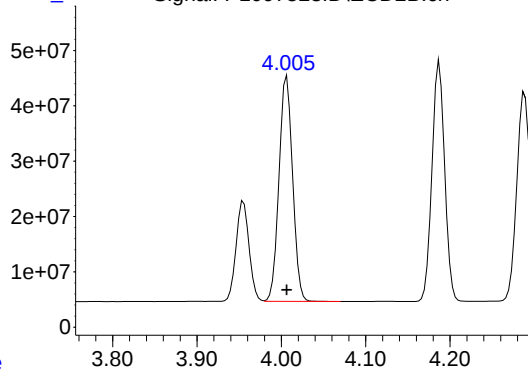
R.T.: 4.890 min  
Delta R.T.: 0.000 min  
Response: 320757499  
Conc: 50.00 ng/ml

Time

Response\_

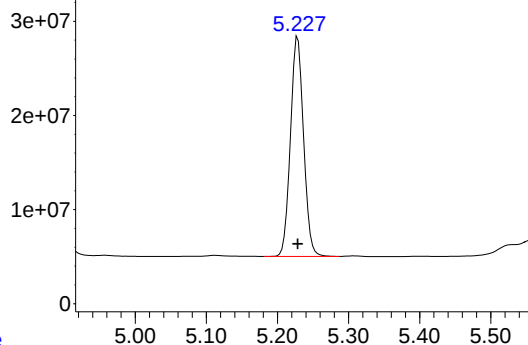
Signal: PL097528.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.007 min  
Delta R.T.: 0.000 min  
Response: 456516933  
Conc: 50.00 ng/ml

Time



R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 298912220  
Conc: 50.00 ng/ml

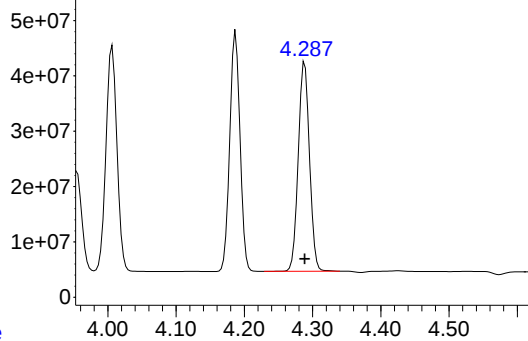
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Time

Response\_

Signal: PL097528.D\ECD2B.ch

#5 Aldrin



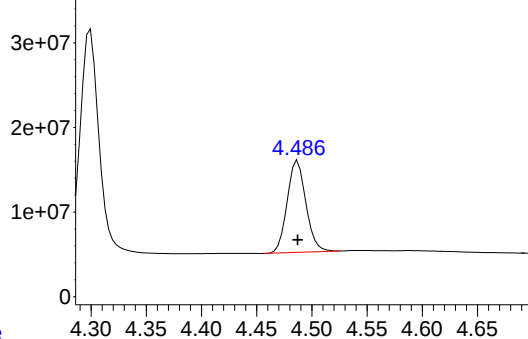
R.T.: 4.288 min  
Delta R.T.: 0.000 min  
Response: 431753355  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PL097528.D\ECD1A.ch

#6 beta-BHC



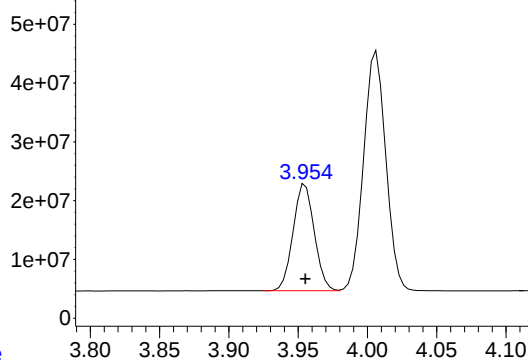
R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 128022099  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PL097528.D\ECD2B.ch

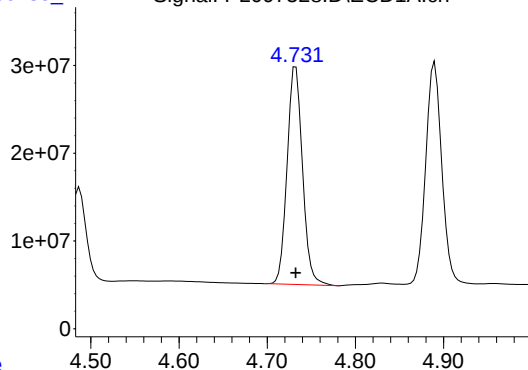
#6 beta-BHC



R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 193505993  
Conc: 50.00 ng/ml

Time

Response\_ Signal: PL097528.D\ECD1A.ch

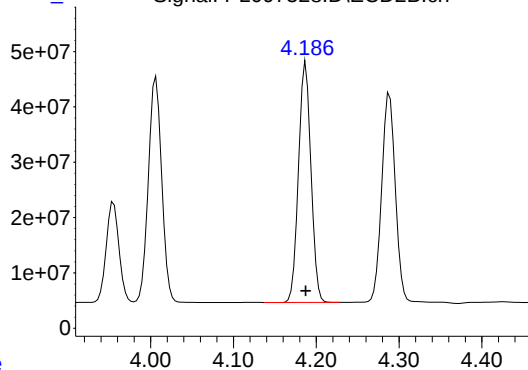


#7 delta-BHC

R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 301035959  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

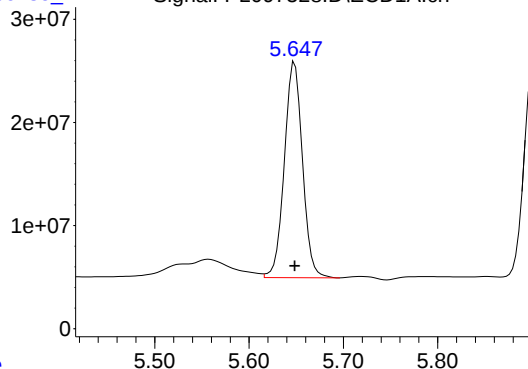
Time Response\_ Signal: PL097528.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 453658980  
Conc: 50.00 ng/ml

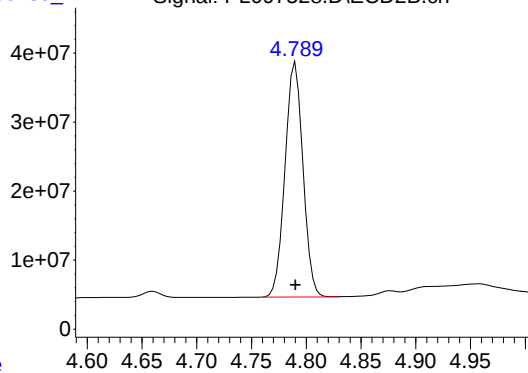
Time Response\_ Signal: PL097528.D\ECD1A.ch



#8 Heptachlor epoxide

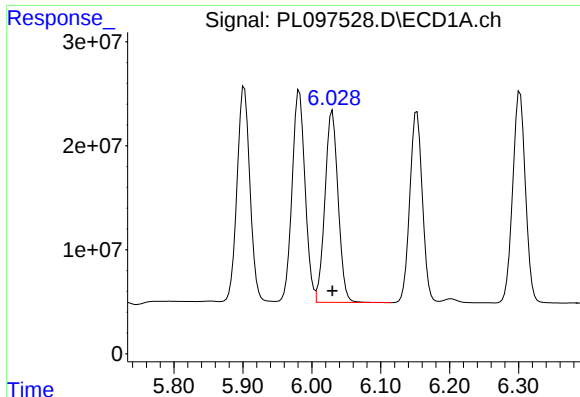
R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 279517741  
Conc: 50.00 ng/ml

Time Response\_ Signal: PL097528.D\ECD2B.ch



#8 Heptachlor epoxide

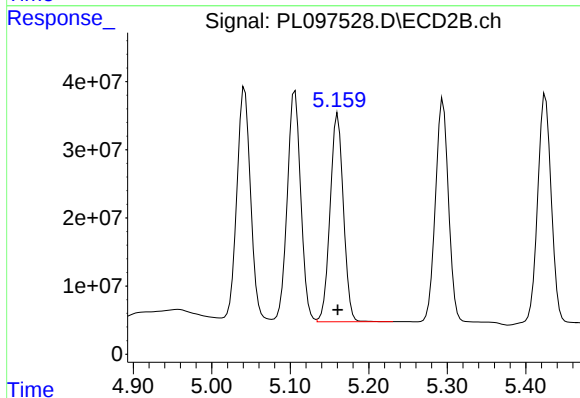
R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 388209276  
Conc: 50.00 ng/ml



#9 Endosulfan I

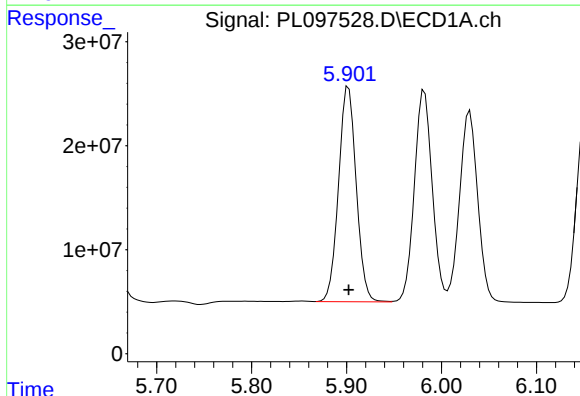
R.T.: 6.030 min  
Delta R.T.: 0.000 min  
Response: 245061755  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



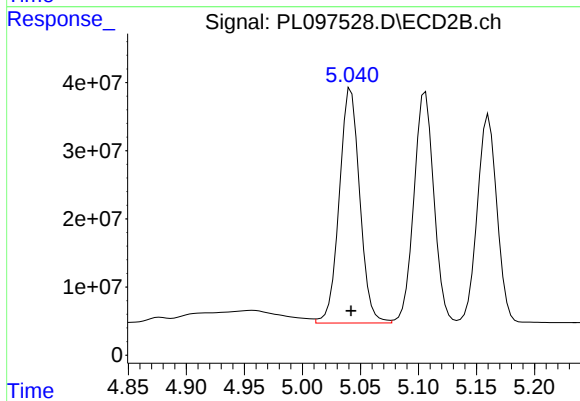
#9 Endosulfan I

R.T.: 5.161 min  
Delta R.T.: 0.000 min  
Response: 359697954  
Conc: 50.00 ng/ml



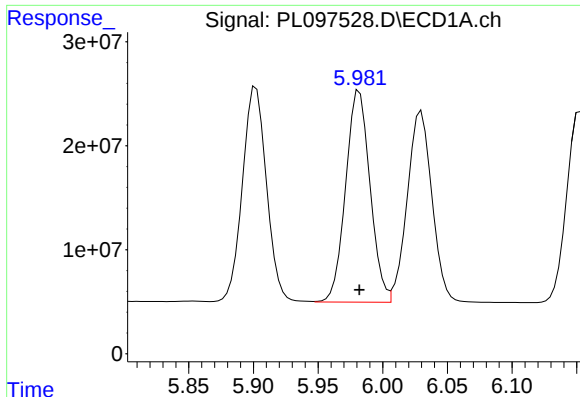
#10 gamma-Chlordane

R.T.: 5.902 min  
Delta R.T.: 0.000 min  
Response: 268509228  
Conc: 50.00 ng/ml



#10 gamma-Chlordane

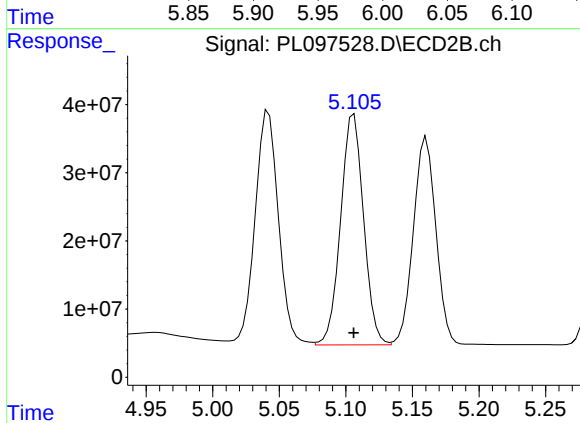
R.T.: 5.042 min  
Delta R.T.: 0.000 min  
Response: 423028117  
Conc: 50.00 ng/ml



#11 alpha-Chlordane

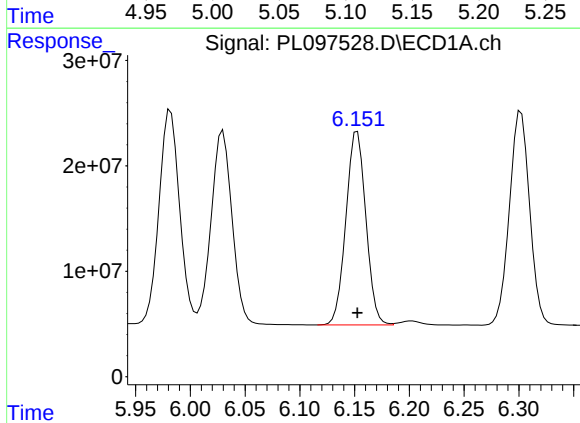
R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 266723992  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



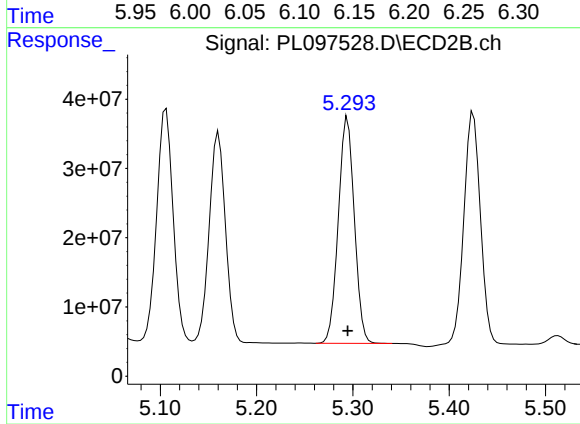
#11 alpha-Chlordane

R.T.: 5.106 min  
Delta R.T.: 0.000 min  
Response: 406374385  
Conc: 50.00 ng/ml



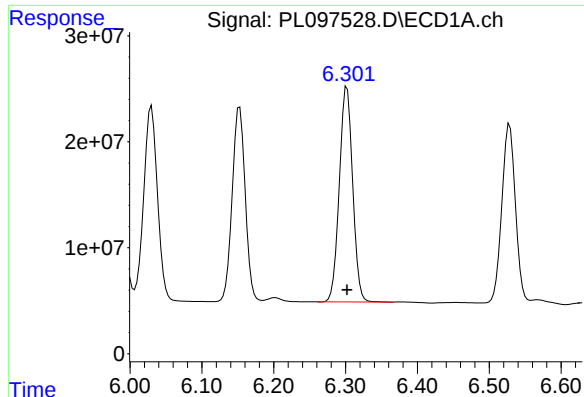
#12 4,4'-DDE

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 232992072  
Conc: 50.00 ng/ml



#12 4,4'-DDE

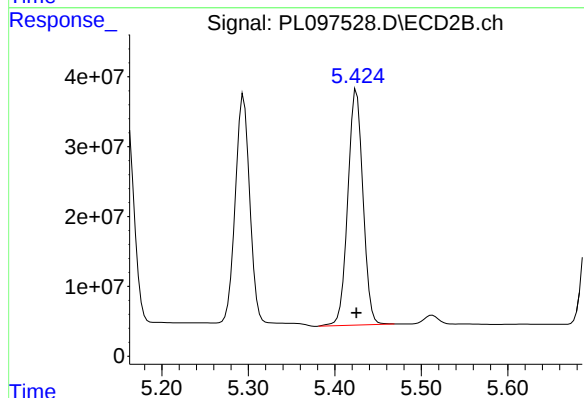
R.T.: 5.295 min  
Delta R.T.: 0.000 min  
Response: 377510164  
Conc: 50.00 ng/ml



#13 Dieldrin

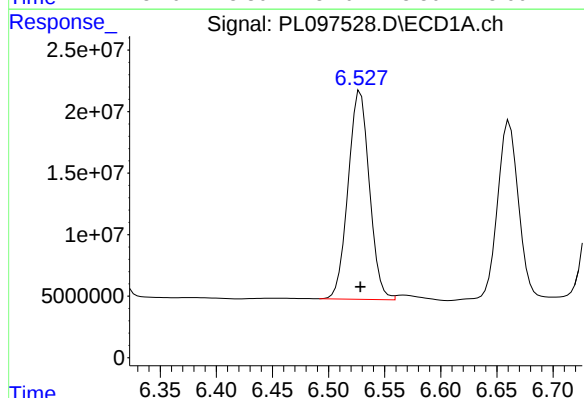
R.T.: 6.302 min  
Delta R.T.: 0.000 min  
Response: 261580942  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



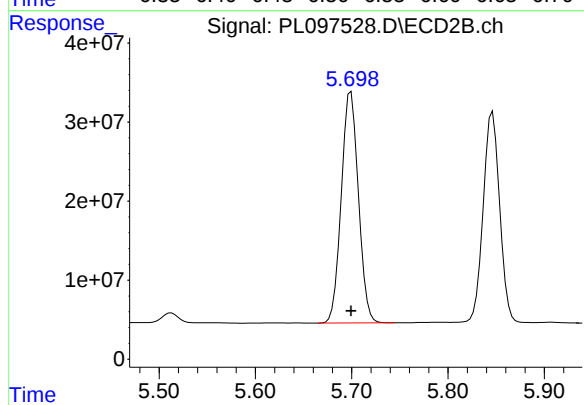
#13 Dieldrin

R.T.: 5.425 min  
Delta R.T.: 0.000 min  
Response: 408262654  
Conc: 50.00 ng/ml



#14 Endrin

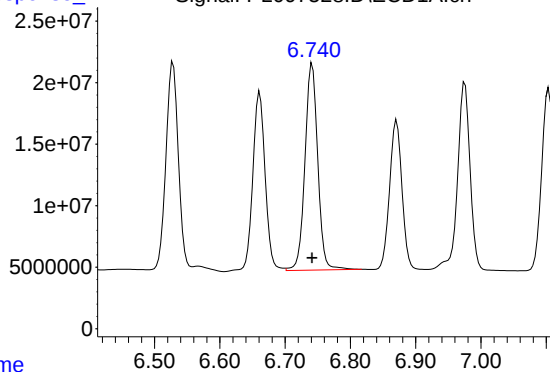
R.T.: 6.528 min  
Delta R.T.: 0.000 min  
Response: 223165882  
Conc: 50.00 ng/ml



#14 Endrin

R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 360400848  
Conc: 50.00 ng/ml

Response\_ Signal: PL097528.D\ECD1A.ch

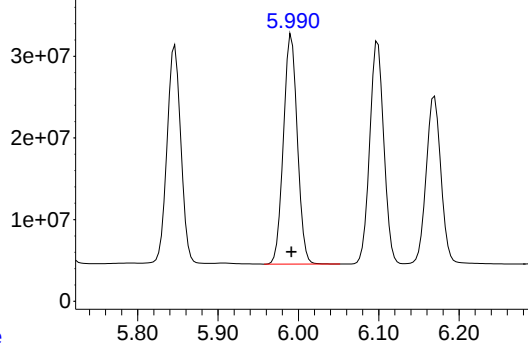


#15 Endosulfan II

R.T.: 6.741 min  
Delta R.T.: 0.000 min  
Response: 228864908  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

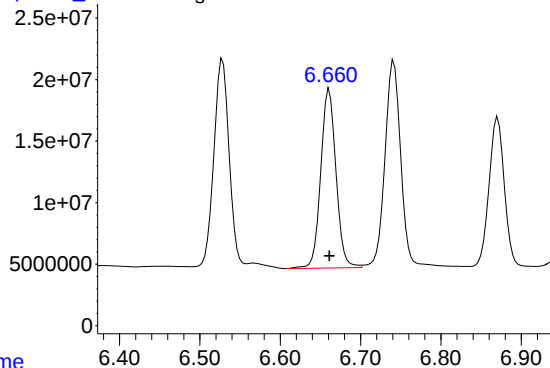
Time Response\_ Signal: PL097528.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.991 min  
Delta R.T.: 0.000 min  
Response: 338684359  
Conc: 50.00 ng/ml

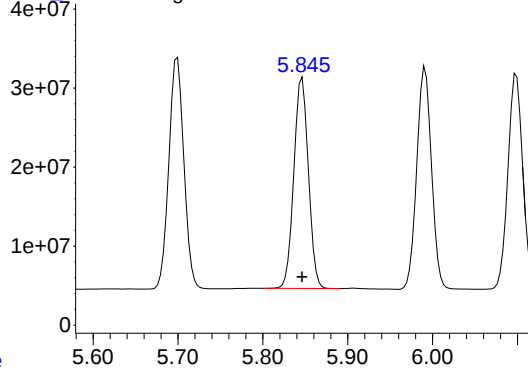
Time Response\_ Signal: PL097528.D\ECD1A.ch



#16 4,4'-DDD

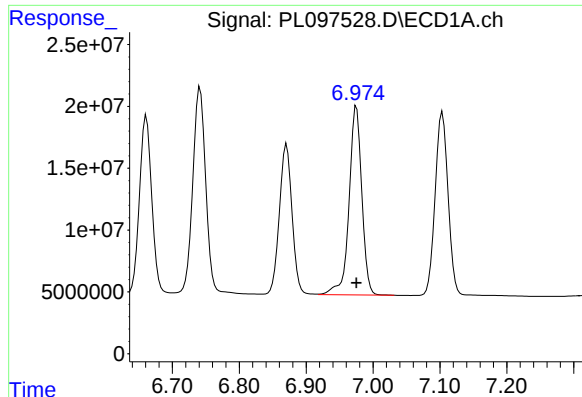
R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 191822236  
Conc: 50.00 ng/ml

Time Response\_ Signal: PL097528.D\ECD2B.ch



#16 4,4'-DDD

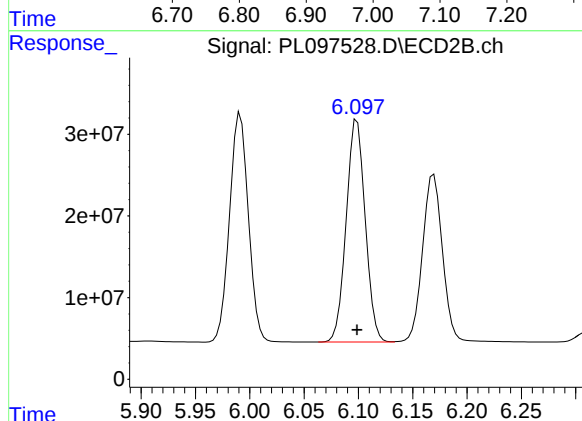
R.T.: 5.846 min  
Delta R.T.: 0.000 min  
Response: 317026964  
Conc: 50.00 ng/ml



#17 4,4'-DDT

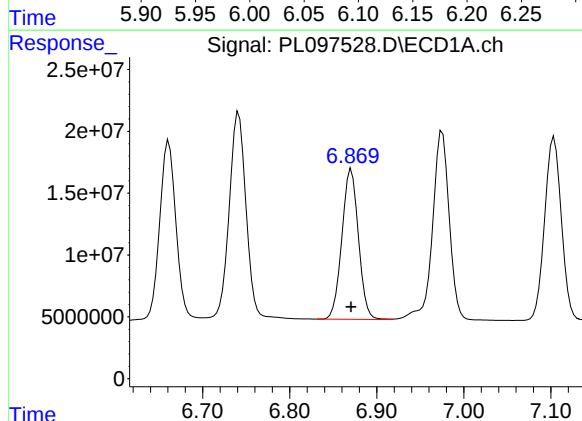
R.T.: 6.975 min  
Delta R.T.: 0.000 min  
Response: 203346155  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



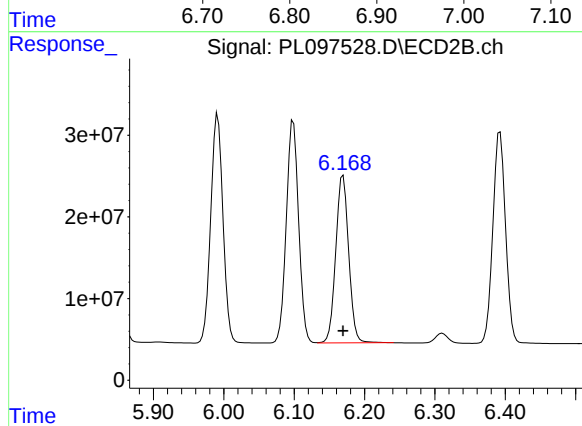
#17 4,4'-DDT

R.T.: 6.099 min  
Delta R.T.: 0.000 min  
Response: 331892124  
Conc: 50.00 ng/ml



#18 Endrin aldehyde

R.T.: 6.871 min  
Delta R.T.: 0.000 min  
Response: 160451730  
Conc: 50.00 ng/ml



#18 Endrin aldehyde

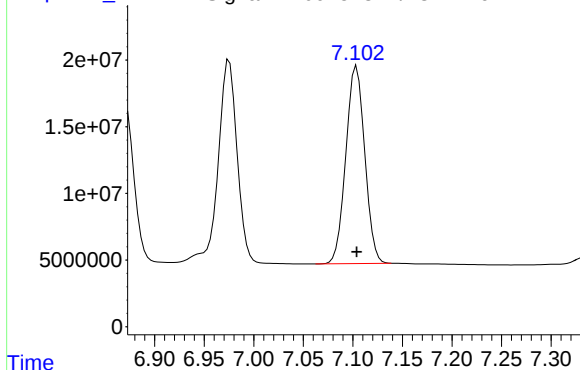
R.T.: 6.169 min  
Delta R.T.: 0.000 min  
Response: 261796525  
Conc: 50.00 ng/ml

Response\_

Signal: PL097528.D\ECD1A.ch

#19 Endosulfan Sulfate

ICAL Form



R.T.: 7.104 min  
Delta R.T.: 0.000 min  
Response: 196903047  
Conc: 50.00 ng/ml

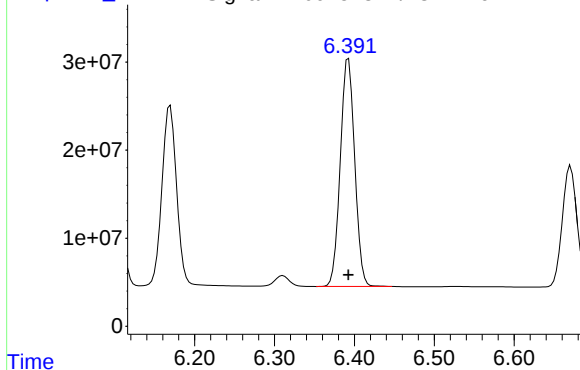
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Time

Response\_

Signal: PL097528.D\ECD2B.ch

#19 Endosulfan Sulfate



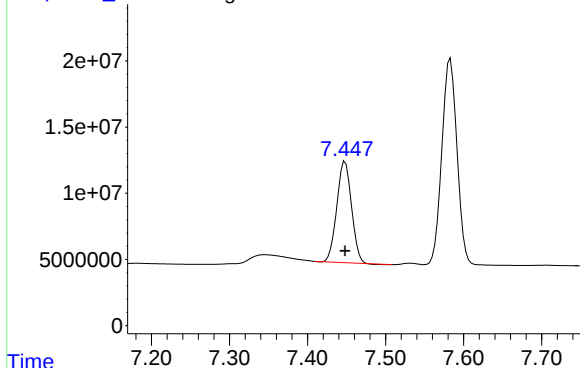
R.T.: 6.393 min  
Delta R.T.: 0.000 min  
Response: 324630618  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PL097528.D\ECD1A.ch

#20 Methoxychlor



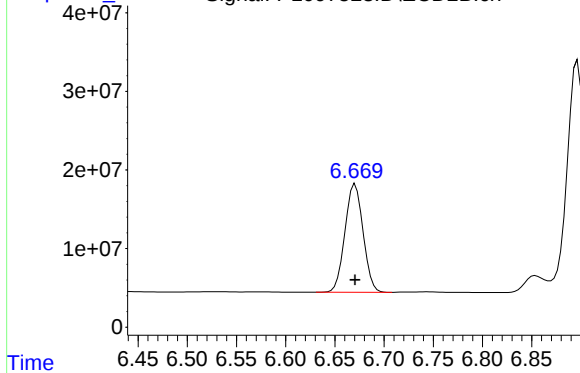
R.T.: 7.448 min  
Delta R.T.: 0.000 min  
Response: 100095394  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PL097528.D\ECD2B.ch

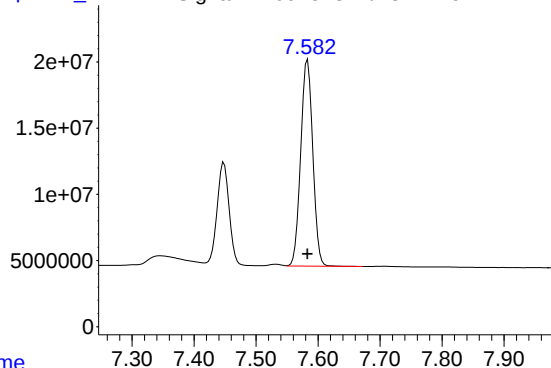
#20 Methoxychlor



R.T.: 6.671 min  
Delta R.T.: 0.000 min  
Response: 176797644  
Conc: 50.00 ng/ml

Time

Response\_ Signal: PL097528.D\ECD1A.ch

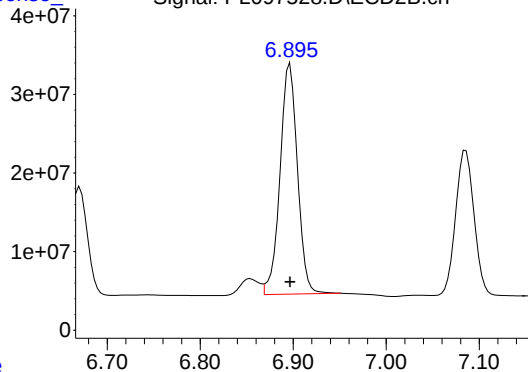


#21 Endrin ketone

R.T.: 7.583 min  
Delta R.T.: 0.000 min  
Response: 211422200  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

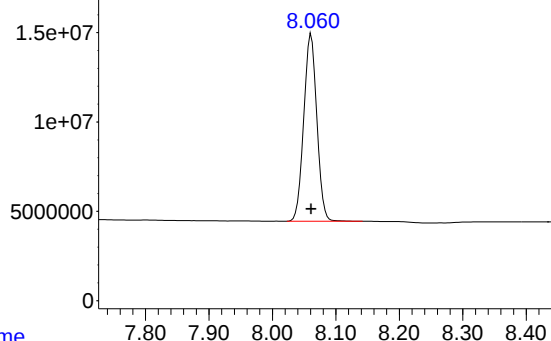
Time Response\_ Signal: PL097528.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.897 min  
Delta R.T.: 0.000 min  
Response: 382748189  
Conc: 50.00 ng/ml

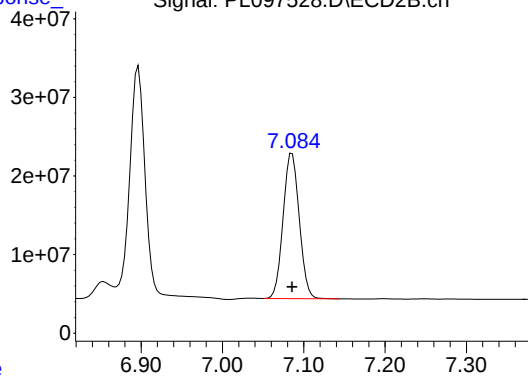
Time Response\_ Signal: PL097528.D\ECD1A.ch



#22 Mirex

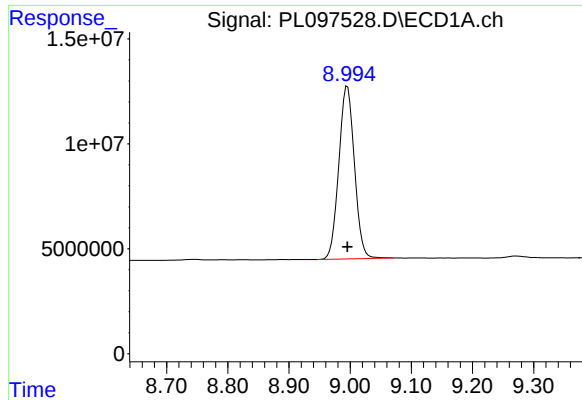
R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 150234473  
Conc: 50.00 ng/ml

Time Response\_ Signal: PL097528.D\ECD2B.ch



#22 Mirex

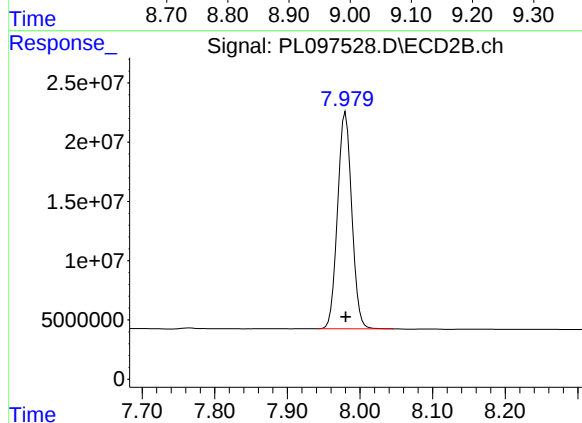
R.T.: 7.086 min  
Delta R.T.: 0.000 min  
Response: 254651330  
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 145757766  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 248201845  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097529.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 11:41  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC025

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/08/2025  
 Supervised By : mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 11:55:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 11:55:26 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.525 | 2.823 | 101.9E6  | 151.5E6  | 25.113  | 25.201 |
| 28)                         | SA Decachlor... | 8.995 | 7.980 | 75883634 | 132.2E6  | 26.154  | 26.542 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.972 | 3.327 | 166.9E6  | 245.5E6  | 24.370  | 24.464 |
| 3)                          | MA gamma-BHC... | 4.300 | 3.659 | 158.2E6  | 229.2E6  | 24.614  | 24.689 |
| 4)                          | MA Heptachlor   | 4.890 | 4.007 | 163.9E6  | 230.9E6  | 25.415  | 25.224 |
| 5)                          | MB Aldrin       | 5.229 | 4.289 | 150.1E6  | 216.4E6  | 24.910  | 24.904 |
| 6)                          | B beta-BHC      | 4.487 | 3.955 | 65516856 | 101.1E6  | 25.491  | 25.931 |
| 7)                          | B delta-BHC     | 4.733 | 4.188 | 150.5E6  | 225.1E6  | 24.806  | 24.582 |
| 8)                          | B Heptachlo...  | 5.649 | 4.790 | 147.1E6  | 199.4E6  | 26.154  | 25.610 |
| 9)                          | A Endosulfan I  | 6.030 | 5.161 | 125.6E6  | 189.9E6  | 25.468  | 26.176 |
| 10)                         | B gamma-Chl...  | 5.902 | 5.042 | 137.8E6  | 221.1E6  | 25.349  | 25.772 |
| 11)                         | B alpha-Chl...  | 5.982 | 5.106 | 136.7E6  | 210.9E6  | 25.480  | 25.624 |
| 12)                         | B 4,4'-DDE      | 6.153 | 5.295 | 114.5E6  | 189.7E6  | 24.410  | 24.837 |
| 13)                         | MA Dieldrin     | 6.302 | 5.425 | 131.5E6  | 202.4E6  | 24.965  | 24.739 |
| 14)                         | MA Endrin       | 6.527 | 5.699 | 111.1E6  | 181.4E6  | 24.790m | 25.020 |
| 15)                         | B Endosulfa...  | 6.741 | 5.992 | 120.1E6  | 176.0E6  | 26.160  | 25.753 |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.847 | 93542225 | 158.8E6  | 24.784  | 24.930 |
| 17)                         | MA 4,4'-DDT     | 6.975 | 6.099 | 101.3E6  | 166.3E6  | 24.764  | 24.698 |
| 18)                         | B Endrin al...  | 6.870 | 6.170 | 82892425 | 142.4E6  | 25.817  | 27.010 |
| 19)                         | B Endosulfa...  | 7.103 | 6.393 | 101.8E6  | 169.7E6  | 25.745  | 25.958 |
| 20)                         | A Methoxychlor  | 7.448 | 6.670 | 52550604 | 93792657 | 25.657  | 26.406 |
| 21)                         | B Endrin ke...  | 7.582 | 6.897 | 109.6E6  | 190.6E6  | 25.737  | 25.097 |
| 22)                         | Mirex           | 8.061 | 7.086 | 80257862 | 137.5E6  | 26.820  | 26.901 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097529.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 11:41  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC025

## Manual Integrations

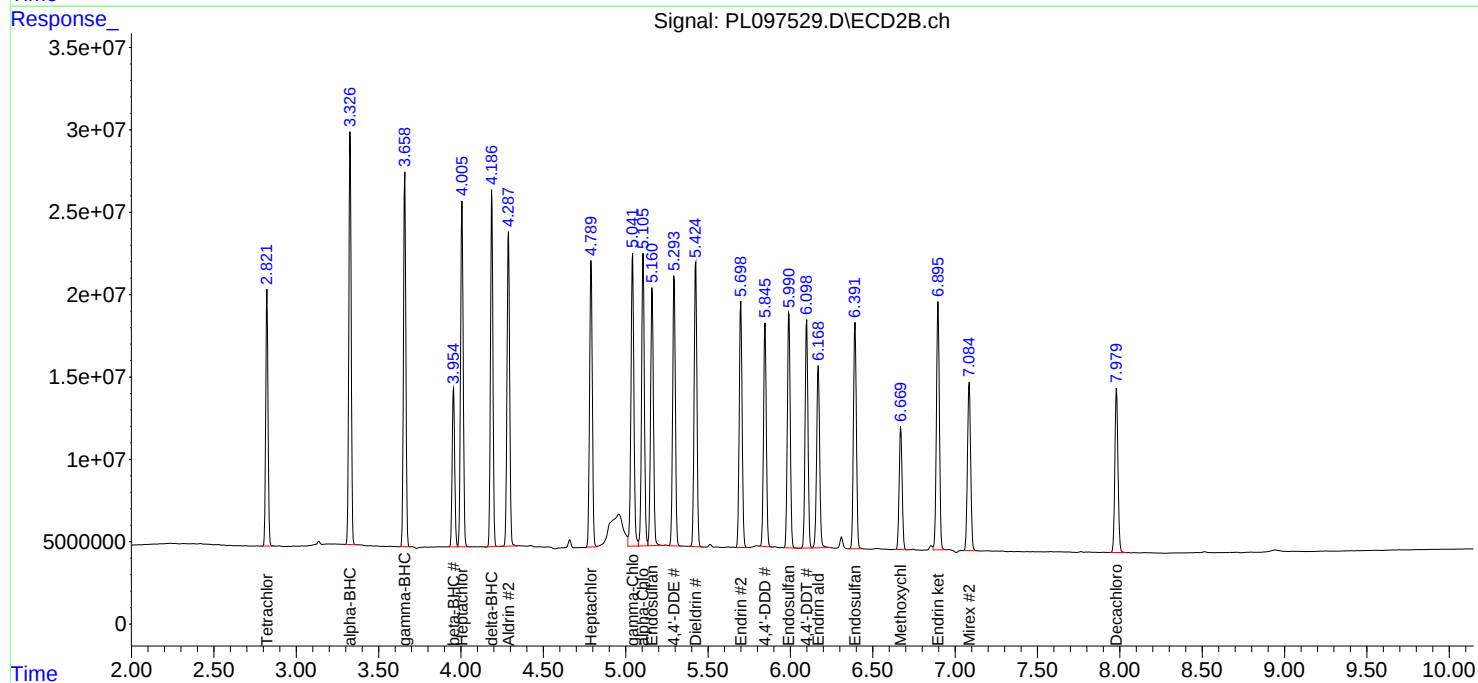
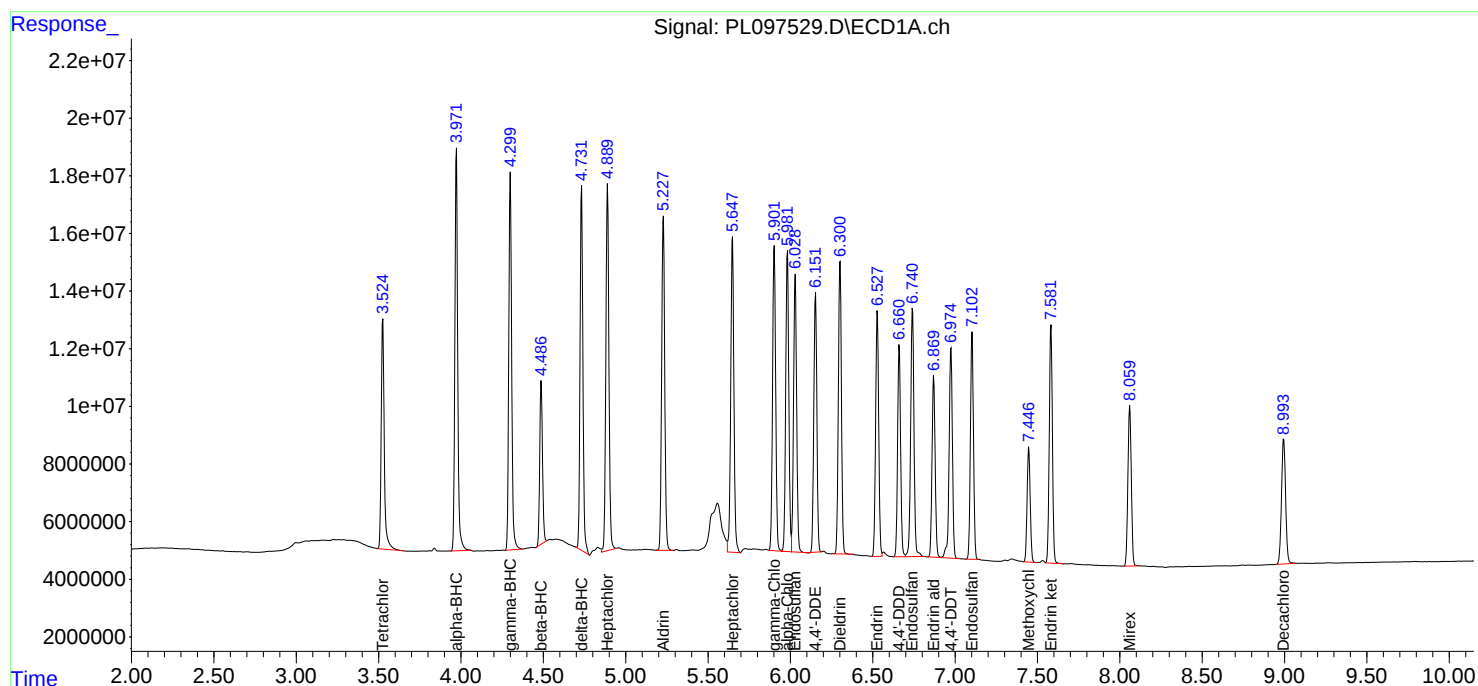
APPROVED

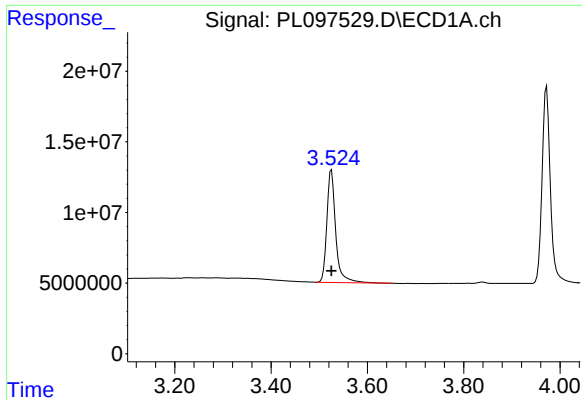
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 11:55:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 11:55:26 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

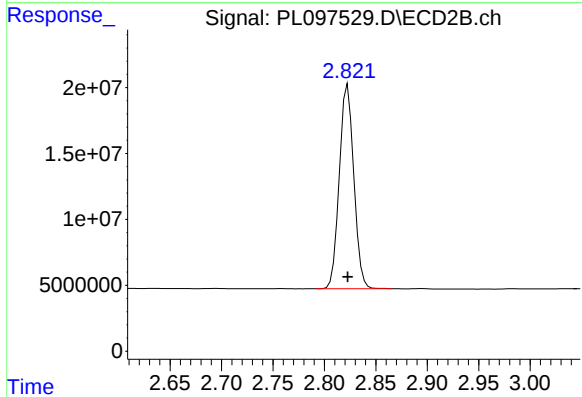
R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 101904894  
Conc: 25.11 ng/ml

ICAL Form

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

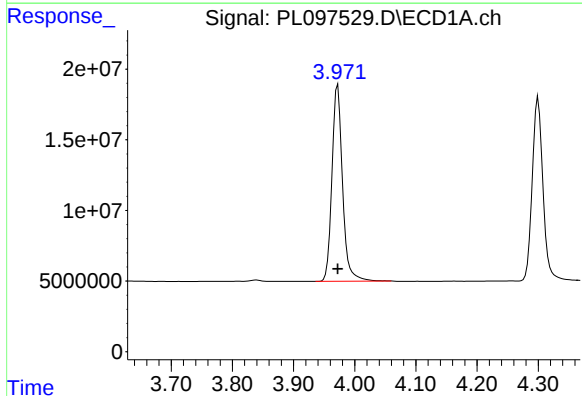
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



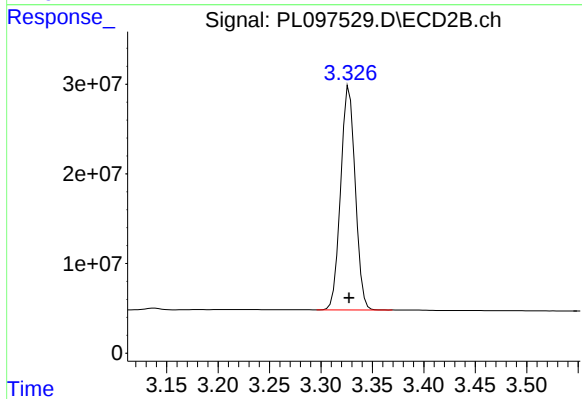
#1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 151544424  
Conc: 25.20 ng/ml



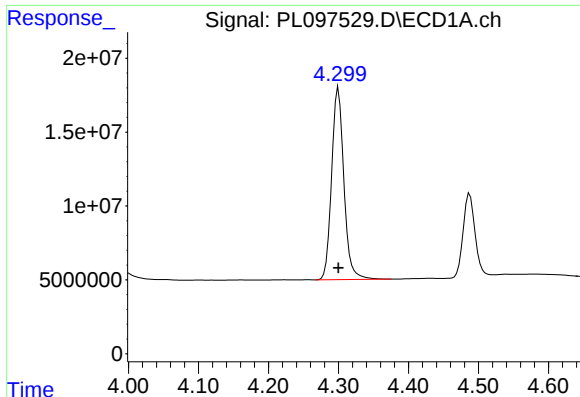
#2 alpha-BHC

R.T.: 3.972 min  
Delta R.T.: 0.000 min  
Response: 166946107  
Conc: 24.37 ng/ml



#2 alpha-BHC

R.T.: 3.327 min  
Delta R.T.: 0.000 min  
Response: 245479543  
Conc: 24.46 ng/ml



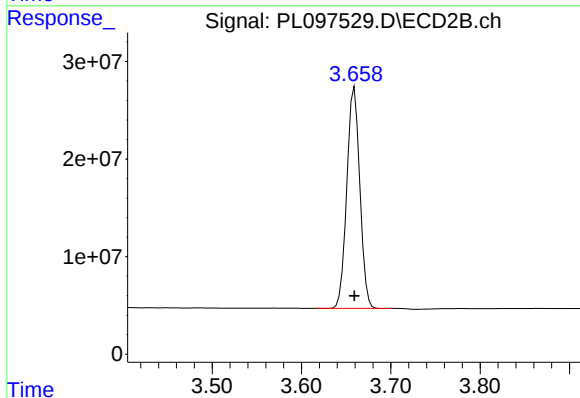
#3 gamma-BHC (Lindane)

R.T.: 4.300 min  
Delta R.T.: 0.000 min  
Response: 158240377  
Conc: 24.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

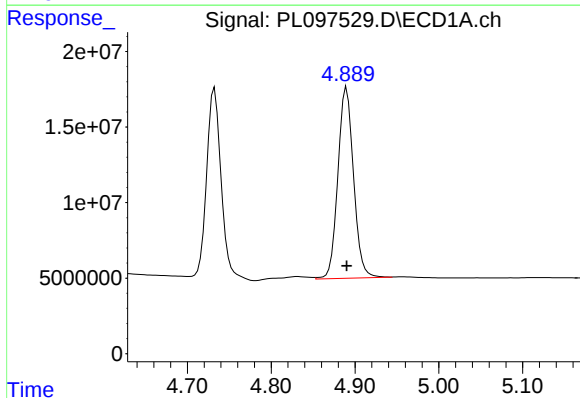
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



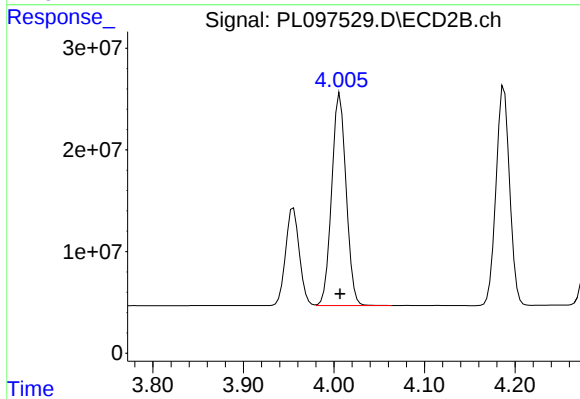
#3 gamma-BHC (Lindane)

R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 229213762  
Conc: 24.69 ng/ml



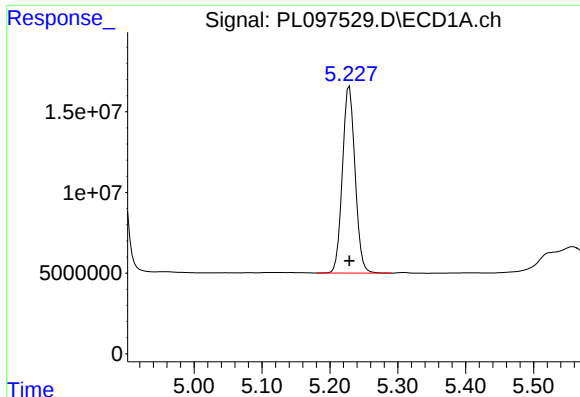
#4 Heptachlor

R.T.: 4.890 min  
Delta R.T.: 0.000 min  
Response: 163877604  
Conc: 25.42 ng/ml



#4 Heptachlor

R.T.: 4.007 min  
Delta R.T.: 0.000 min  
Response: 230911915  
Conc: 25.22 ng/ml



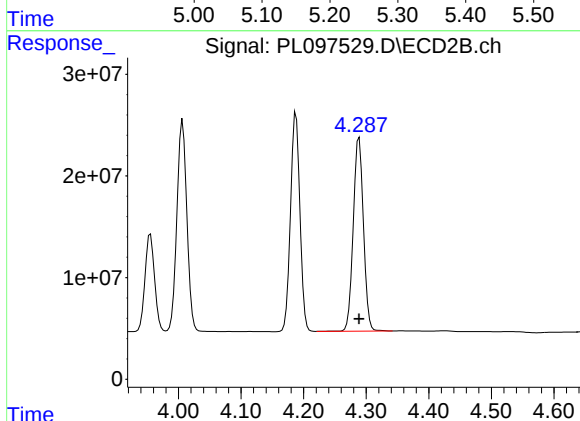
#5 Aldrin

R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 150110480  
Conc: 24.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

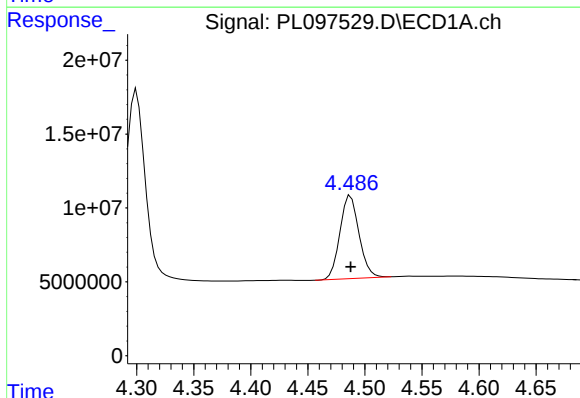
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



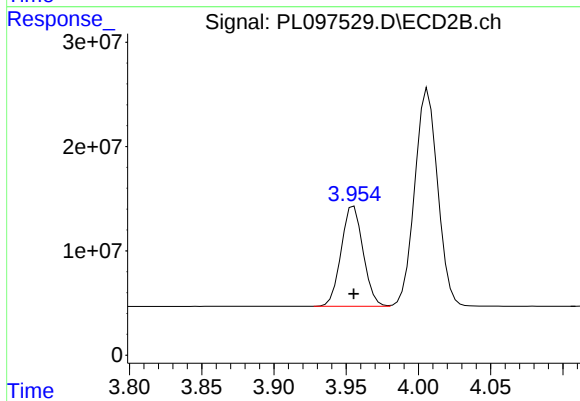
#5 Aldrin

R.T.: 4.289 min  
Delta R.T.: 0.000 min  
Response: 216442110  
Conc: 24.90 ng/ml



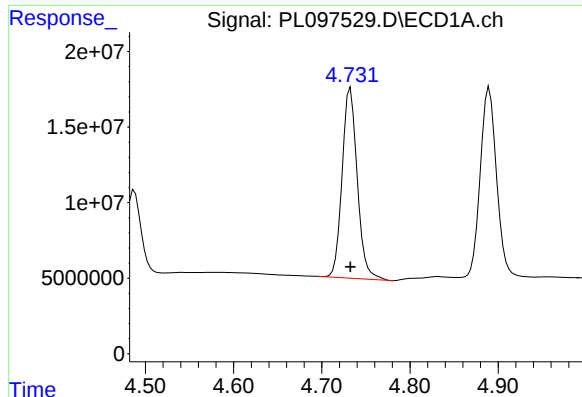
#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 65516856  
Conc: 25.49 ng/ml



#6 beta-BHC

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 101111774  
Conc: 25.93 ng/ml



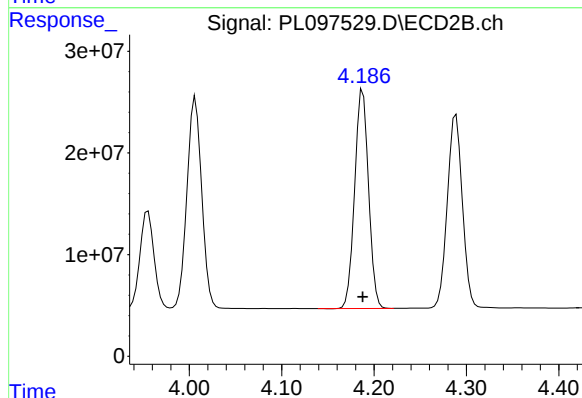
#7 delta-BHC

R.T.: 4.733 min  
Delta R.T.: 0.000 min  
Response: 150509308  
Conc: 24.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

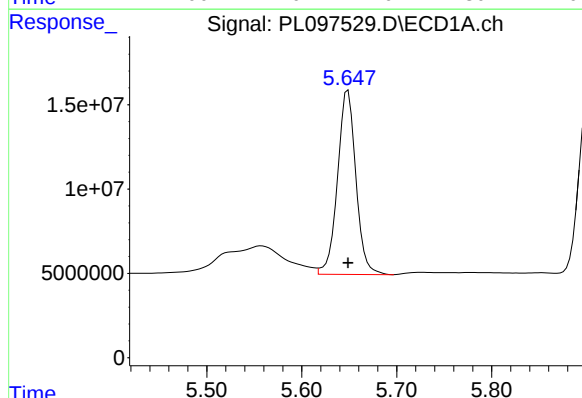
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



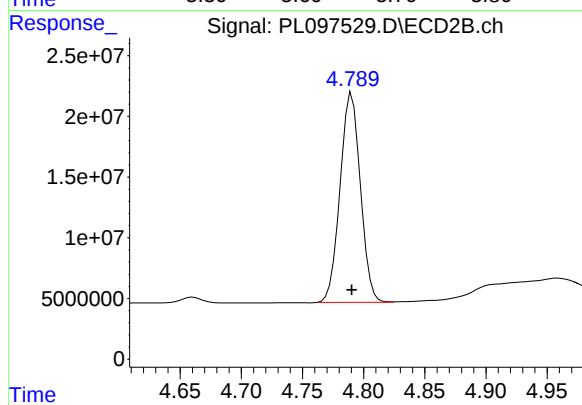
#7 delta-BHC

R.T.: 4.188 min  
Delta R.T.: 0.000 min  
Response: 225054943  
Conc: 24.58 ng/ml



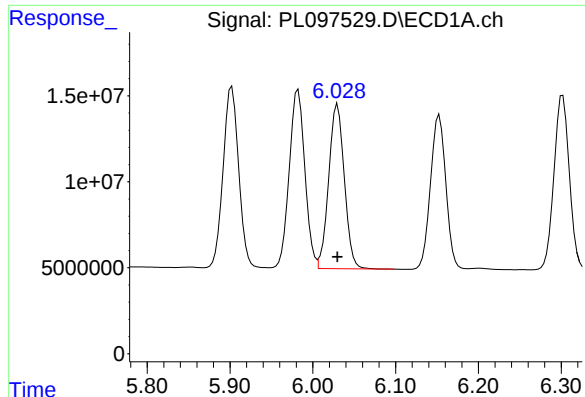
#8 Heptachlor epoxide

R.T.: 5.649 min  
Delta R.T.: 0.000 min  
Response: 147055111  
Conc: 26.15 ng/ml



#8 Heptachlor epoxide

R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 199443779  
Conc: 25.61 ng/ml



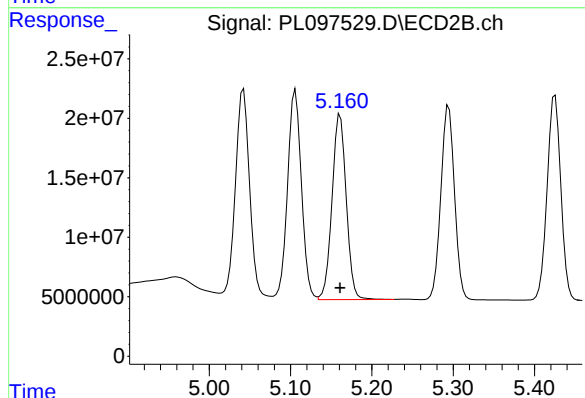
## #9 Endosulfan I

R.T.: 6.030 min  
Delta R.T.: 0.000 min  
Response: 125558178  
Conc: 25.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

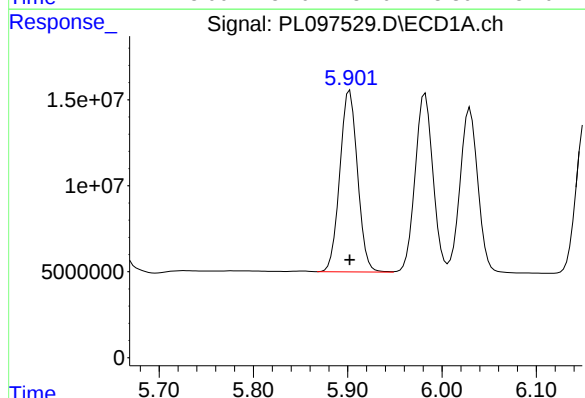
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



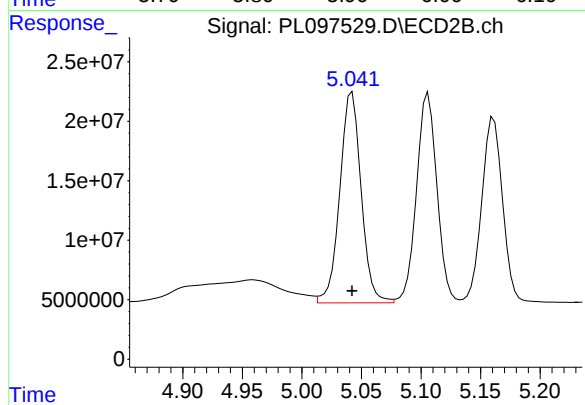
## #9 Endosulfan I

R.T.: 5.161 min  
Delta R.T.: 0.000 min  
Response: 189905621  
Conc: 26.18 ng/ml



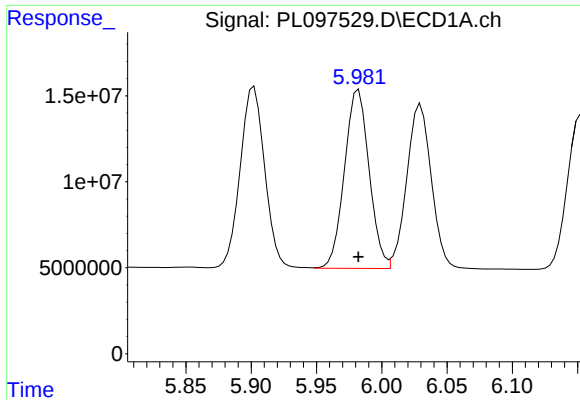
## #10 gamma-Chlordane

R.T.: 5.902 min  
Delta R.T.: 0.000 min  
Response: 137806423  
Conc: 25.35 ng/ml



## #10 gamma-Chlordane

R.T.: 5.042 min  
Delta R.T.: 0.000 min  
Response: 221104892  
Conc: 25.77 ng/ml



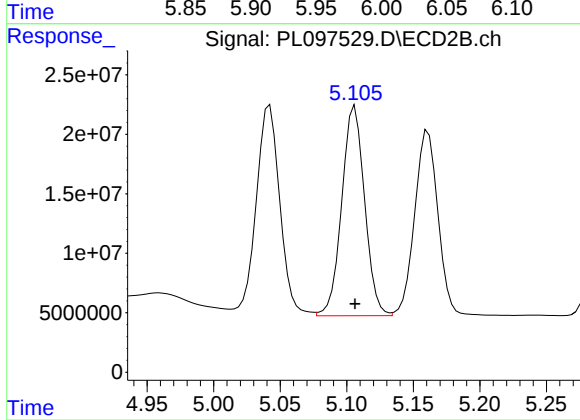
#11 alpha-Chlordane

R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 136695167  
Conc: 25.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

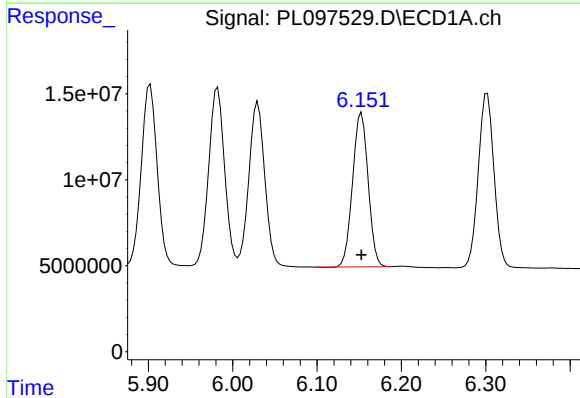
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



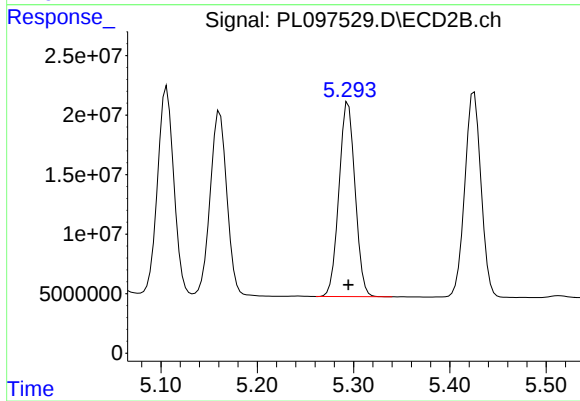
#11 alpha-Chlordane

R.T.: 5.106 min  
Delta R.T.: 0.000 min  
Response: 210877901  
Conc: 25.62 ng/ml



#12 4,4'-DDE

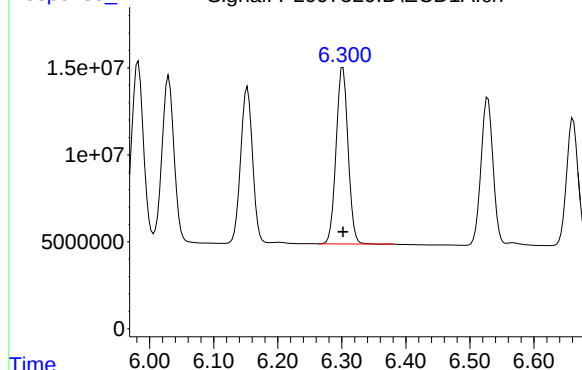
R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 114544434  
Conc: 24.41 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min  
Delta R.T.: 0.000 min  
Response: 189713647  
Conc: 24.84 ng/ml

Response\_ Signal: PL097529.D\ECD1A.ch



#13 Dieldrin

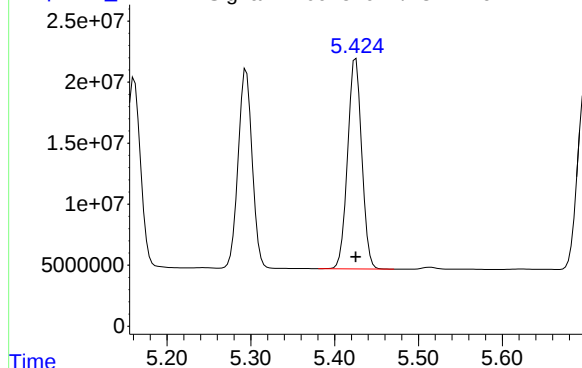
R.T.: 6.302 min  
Delta R.T.: 0.000 min  
Response: 131480484  
Conc: 24.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025

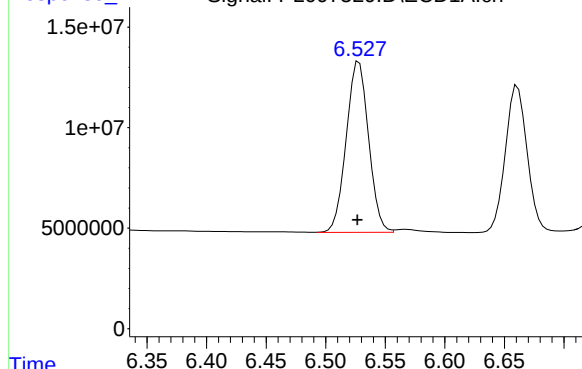
Time Response\_ Signal: PL097529.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.425 min  
Delta R.T.: 0.000 min  
Response: 202404139  
Conc: 24.74 ng/ml

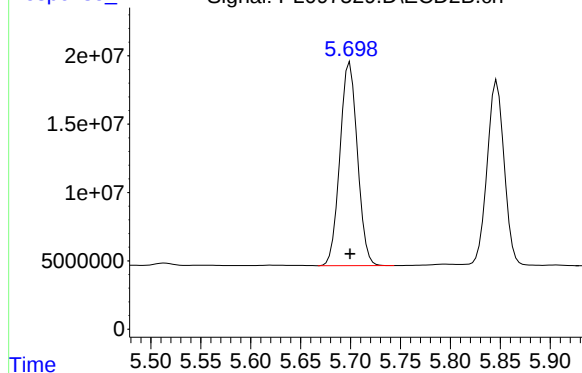
Time Response\_ Signal: PL097529.D\ECD1A.ch



#14 Endrin

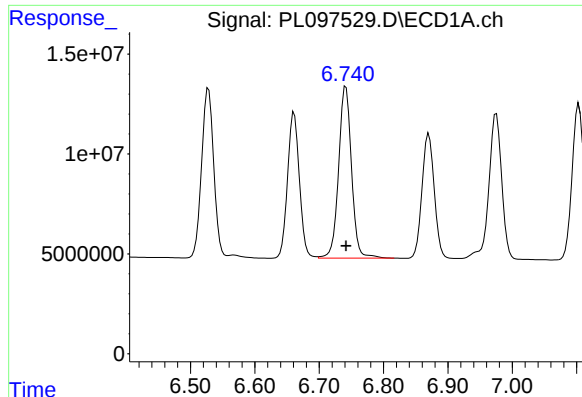
R.T.: 6.527 min  
Delta R.T.: 0.000 min  
Response: 111082695  
Conc: 24.79 ng/ml m

Time Response\_ Signal: PL097529.D\ECD2B.ch



#14 Endrin

R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 181414600  
Conc: 25.02 ng/ml



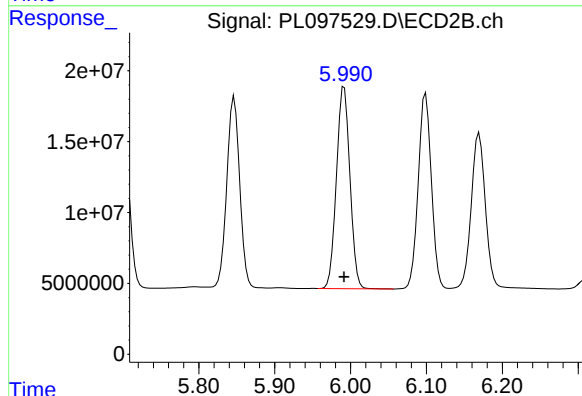
#15 Endosulfan II

R.T.: 6.741 min  
Delta R.T.: 0.000 min  
Response: 120066551  
Conc: 26.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

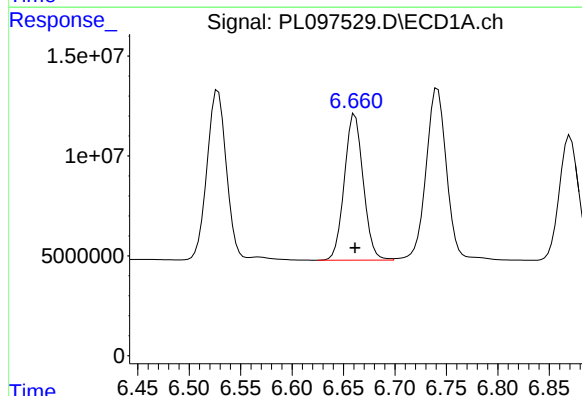
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



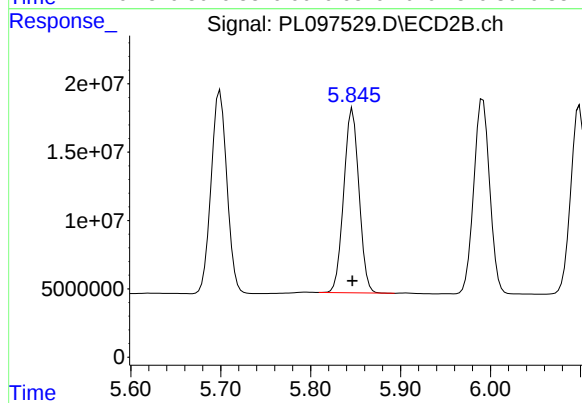
#15 Endosulfan II

R.T.: 5.992 min  
Delta R.T.: 0.000 min  
Response: 176038320  
Conc: 25.75 ng/ml



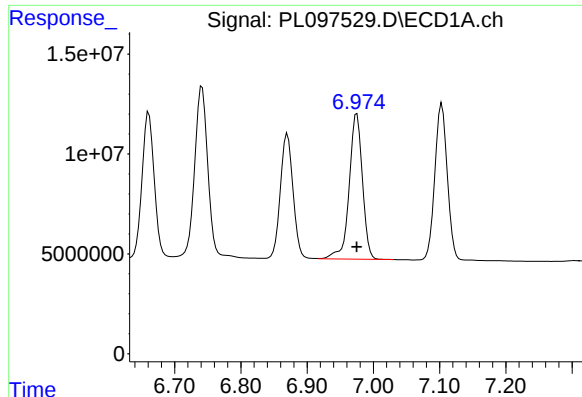
#16 4,4'-DDD

R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 93542225  
Conc: 24.78 ng/ml



#16 4,4'-DDD

R.T.: 5.847 min  
Delta R.T.: 0.000 min  
Response: 158805909  
Conc: 24.93 ng/ml



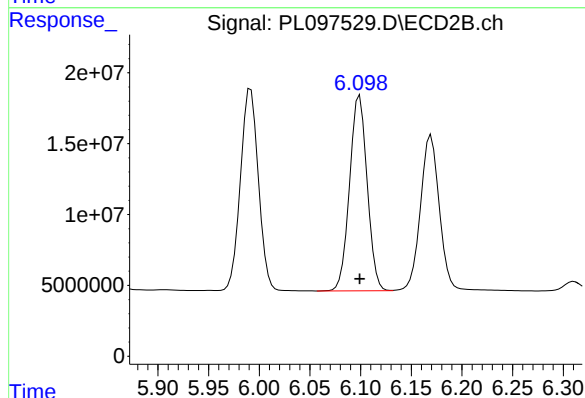
#17 4,4'-DDT

R.T.: 6.975 min  
Delta R.T.: 0.000 min  
Response: 101310697  
Conc: 24.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

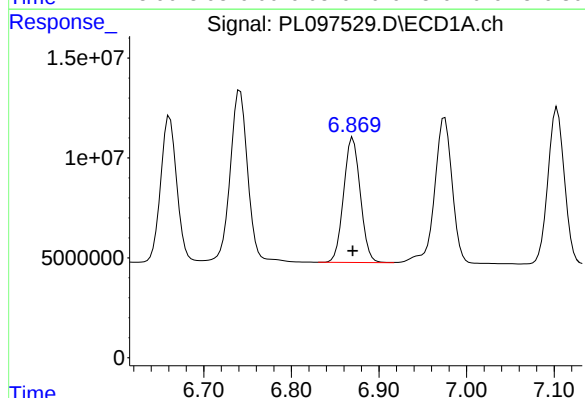
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



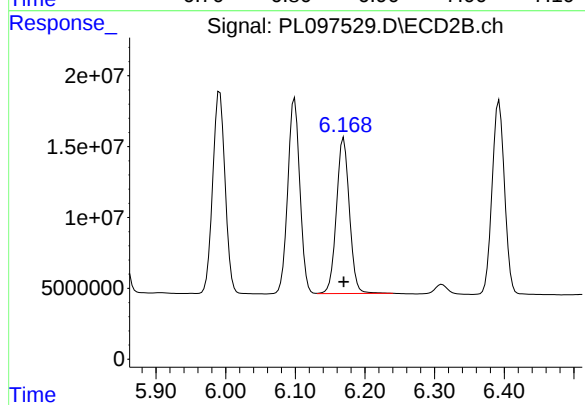
#17 4,4'-DDT

R.T.: 6.099 min  
Delta R.T.: 0.000 min  
Response: 166308264  
Conc: 24.70 ng/ml



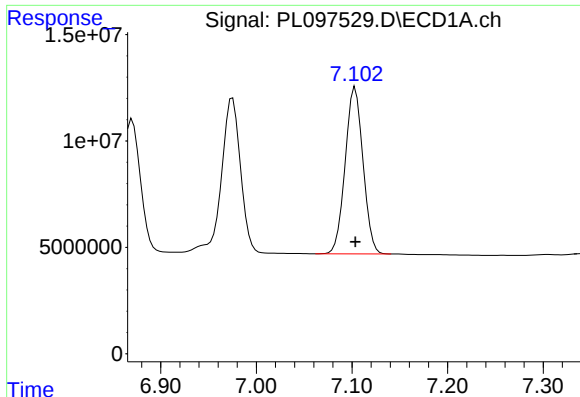
#18 Endrin aldehyde

R.T.: 6.870 min  
Delta R.T.: 0.000 min  
Response: 82892425  
Conc: 25.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.170 min  
Delta R.T.: 0.000 min  
Response: 142351415  
Conc: 27.01 ng/ml



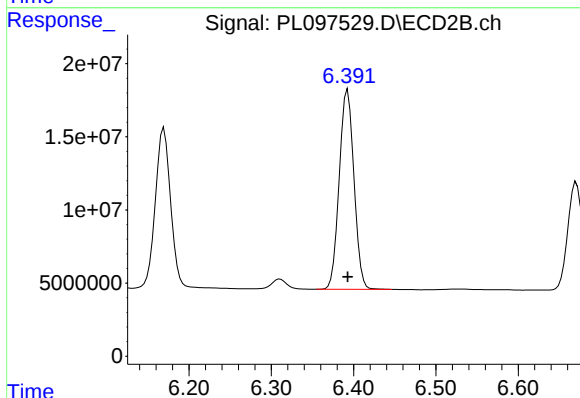
## #19 Endosulfan Sulfate

R.T.: 7.103 min  
Delta R.T.: 0.000 min  
Response: 101843173  
Conc: 25.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

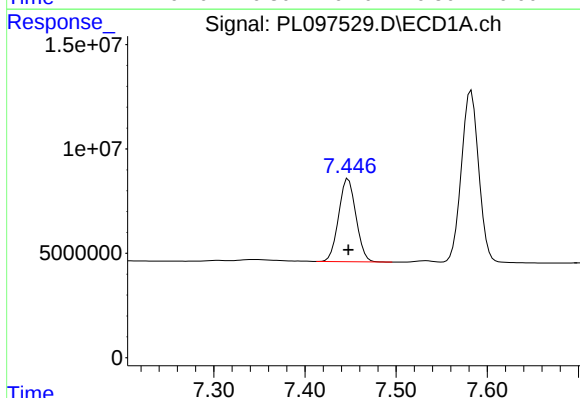
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



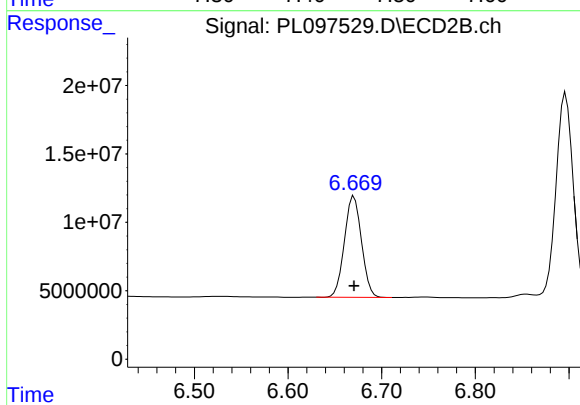
## #19 Endosulfan Sulfate

R.T.: 6.393 min  
Delta R.T.: 0.000 min  
Response: 169681039  
Conc: 25.96 ng/ml



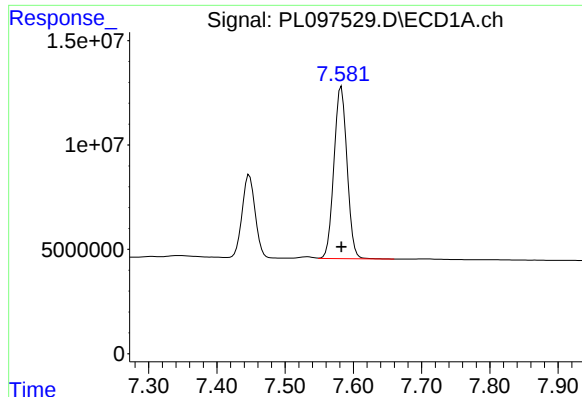
## #20 Methoxychlor

R.T.: 7.448 min  
Delta R.T.: 0.000 min  
Response: 52550604  
Conc: 25.66 ng/ml



## #20 Methoxychlor

R.T.: 6.670 min  
Delta R.T.: 0.000 min  
Response: 93792657  
Conc: 26.41 ng/ml



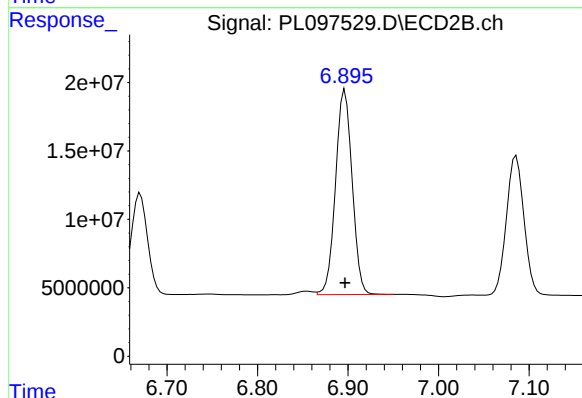
#21 Endrin ketone

R.T.: 7.582 min  
Delta R.T.: 0.000 min  
Response: 109626260  
Conc: 25.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

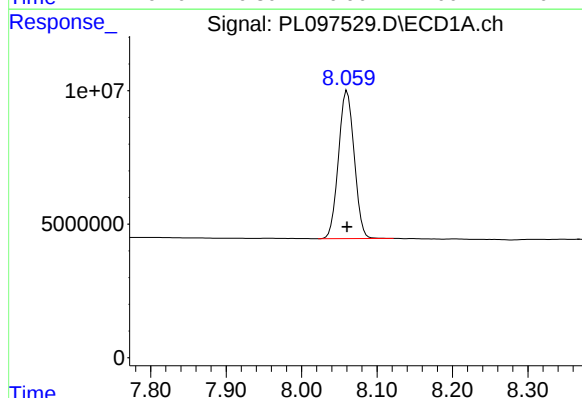
Manual Integrations  
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Supervised By :mohammad ahmed 10/09/2025



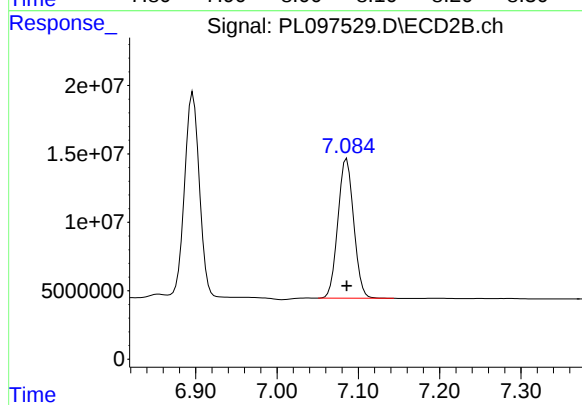
#21 Endrin ketone

R.T.: 6.897 min  
Delta R.T.: 0.000 min  
Response: 190636896  
Conc: 25.10 ng/ml



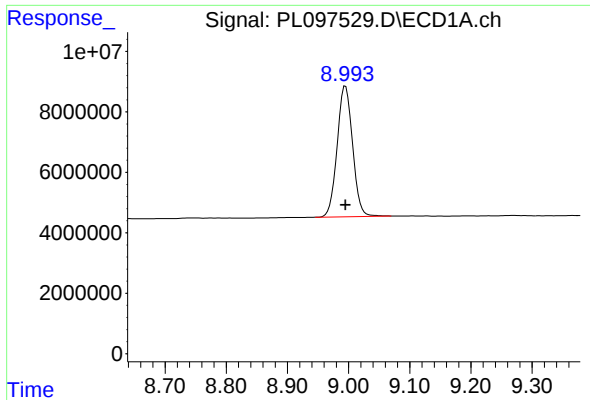
#22 Mirex

R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 80257862  
Conc: 26.82 ng/ml



#22 Mirex

R.T.: 7.086 min  
Delta R.T.: 0.000 min  
Response: 137549521  
Conc: 26.90 ng/ml



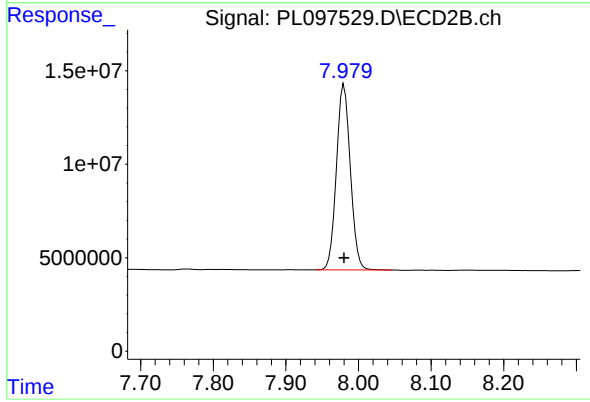
#28 Decachlorobiphenyl

R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 75883634  
Conc: 26.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

Manual Integrations  
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Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 132179455  
Conc: 26.54 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097530.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 11:55  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC005

Manual Integrations  
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Reviewed By :Abdul Mirza 10/08/2025  
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 12:09:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 12:09:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.525 | 2.823 | 20760581 | 31889450 | 5.092  | 5.239  |
| 28) SA Decachlor...         | 8.995 | 7.980 | 16313666 | 30126190 | 5.486  | 5.806  |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.972 | 3.327 | 31631322 | 45990795 | 4.689  | 4.661  |
| 3) MA gamma-BHC...          | 4.299 | 3.659 | 30329973 | 44004103 | 4.772  | 4.790  |
| 4) MA Heptachlor            | 4.888 | 4.006 | 32306585 | 46717000 | 5.012m | 5.082  |
| 5) MB Aldrin                | 5.228 | 4.288 | 29793038 | 42975067 | 4.955  | 4.956  |
| 6) B beta-BHC               | 4.487 | 3.955 | 13232665 | 21469148 | 5.118  | 5.397  |
| 7) B delta-BHC              | 4.732 | 4.187 | 30468498 | 42743595 | 5.017  | 4.731  |
| 8) B Heptachlo...           | 5.646 | 4.790 | 33101826 | 41697351 | 5.537m | 5.280  |
| 9) A Endosulfan I           | 6.029 | 5.159 | 25685922 | 39259145 | 5.167  | 5.271m |
| 10) B gamma-Chl...          | 5.901 | 5.040 | 26959817 | 45741136 | 4.967  | 5.277m |
| 11) B alpha-Chl...          | 5.982 | 5.104 | 28366665 | 43589310 | 5.227  | 5.249m |
| 12) B 4,4'-DDE              | 6.152 | 5.294 | 22578205 | 37045119 | 4.848  | 4.879  |
| 13) MA Dieldrin             | 6.301 | 5.425 | 26178667 | 43077308 | 4.976  | 5.210  |
| 14) MA Endrin               | 6.527 | 5.700 | 22242785 | 40023725 | 4.971  | 5.408  |
| 15) B Endosulfa...          | 6.740 | 5.991 | 30509296 | 35911153 | 6.264m | 5.179  |
| 16) A 4,4'-DDD              | 6.659 | 5.845 | 18850267 | 32072276 | 4.987m | 5.022m |
| 17) MA 4,4'-DDT             | 6.975 | 6.099 | 19545223 | 31911242 | 4.820  | 4.789  |
| 18) B Endrin al...          | 6.870 | 6.169 | 17702219 | 38554790 | 5.402  | 6.695  |
| 19) B Endosulfa...          | 7.103 | 6.393 | 21130418 | 35709397 | 5.270  | 5.364  |
| 20) A Methoxychlor          | 7.446 | 6.670 | 11260639 | 20091269 | 5.375m | 5.512  |
| 21) B Endrin ke...          | 7.581 | 6.895 | 21852412 | 45578581 | 5.118m | 5.818m |
| 22) Mirex                   | 8.061 | 7.086 | 17837199 | 31483732 | 5.740  | 5.885  |
| -----                       |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097530.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 11:55  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC005

## Manual Integrations

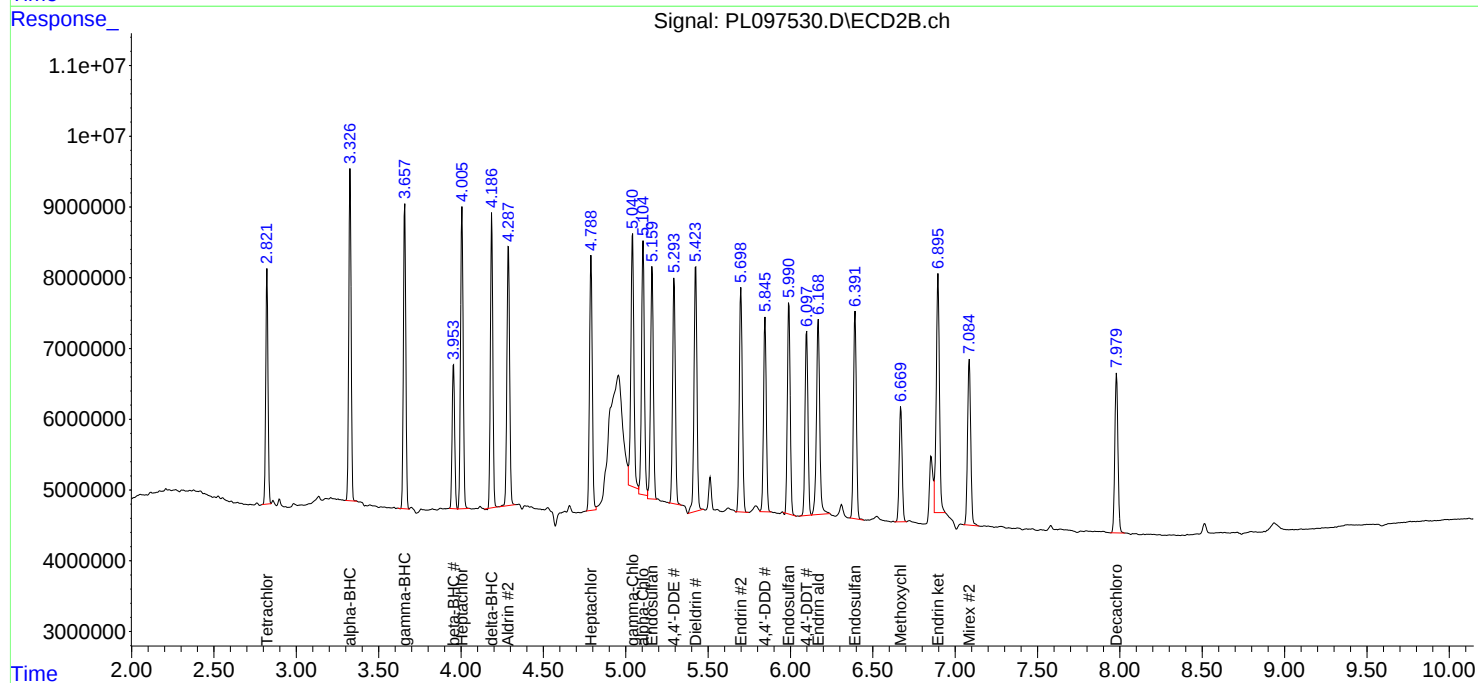
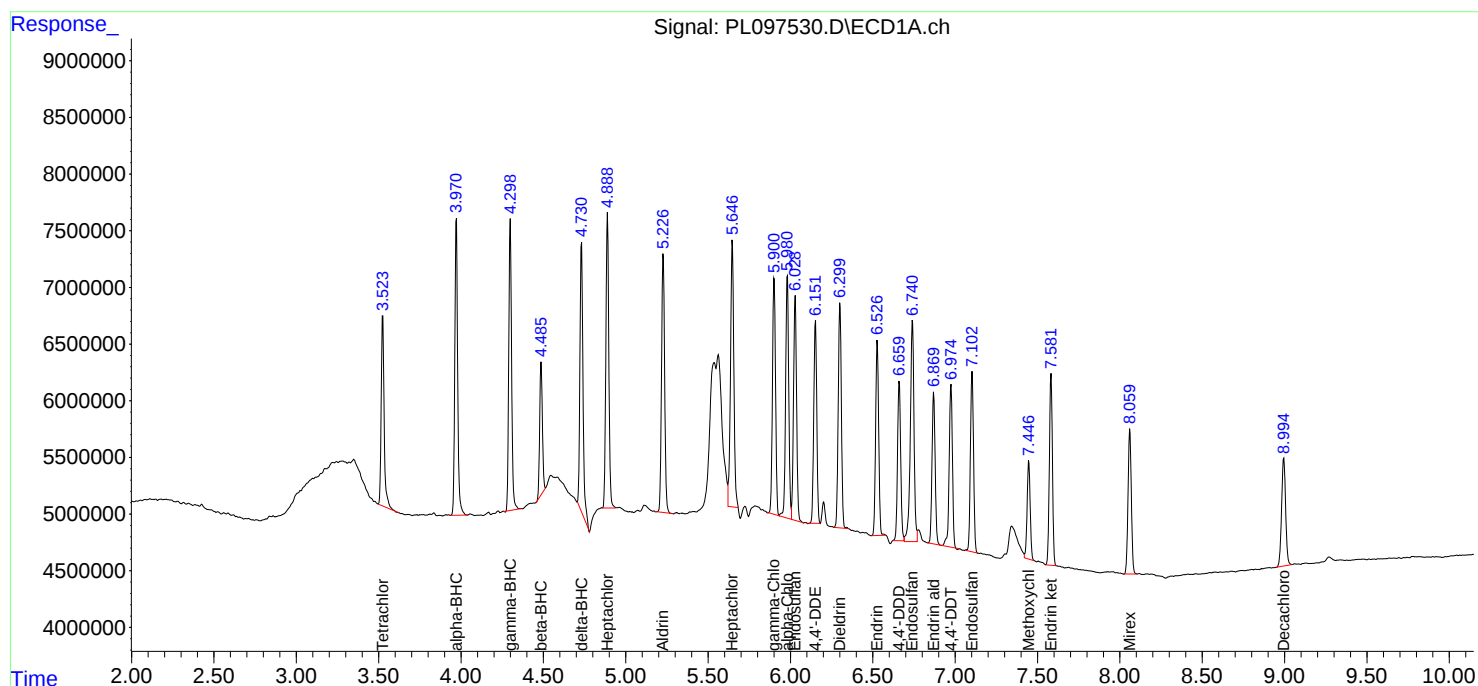
## APPROVED

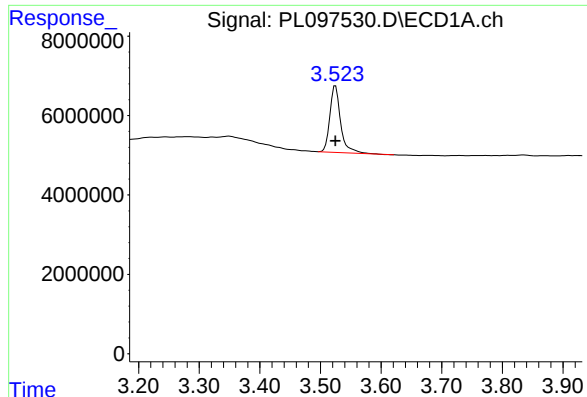
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 12:09:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 12:09:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





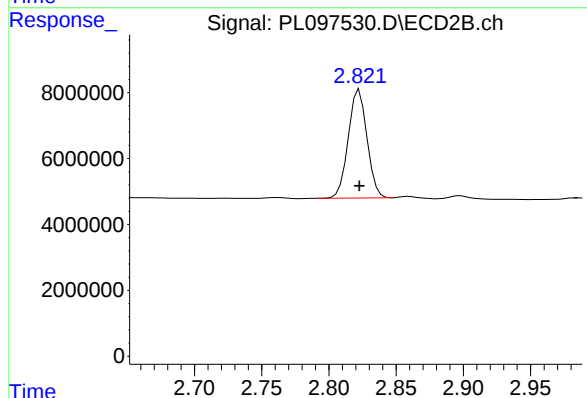
## #1 Tetrachloro-m-xylene

R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 20760581  
Conc: 5.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

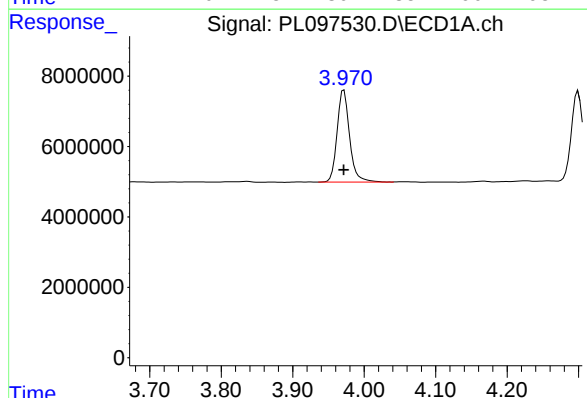
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



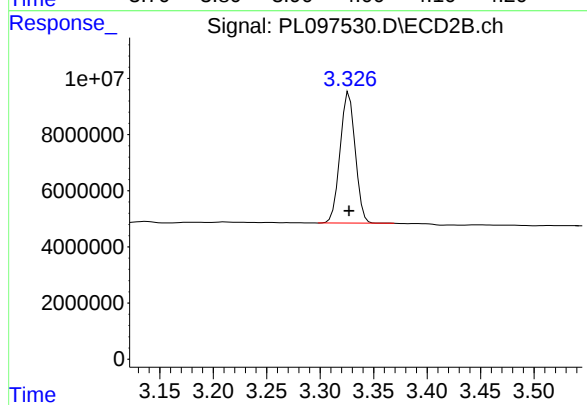
## #1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 31889450  
Conc: 5.24 ng/ml



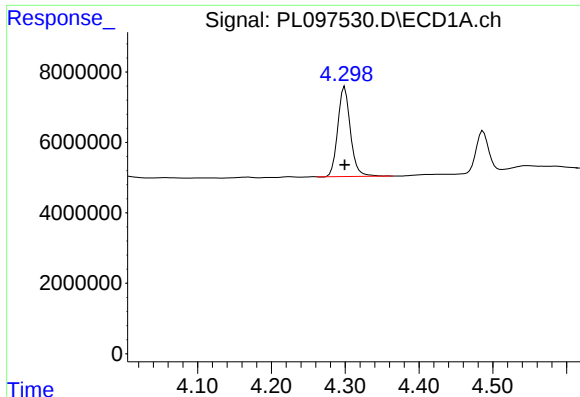
## #2 alpha-BHC

R.T.: 3.972 min  
Delta R.T.: 0.000 min  
Response: 31631322  
Conc: 4.69 ng/ml



## #2 alpha-BHC

R.T.: 3.327 min  
Delta R.T.: 0.000 min  
Response: 45990795  
Conc: 4.66 ng/ml



#3 gamma-BHC (Lindane)

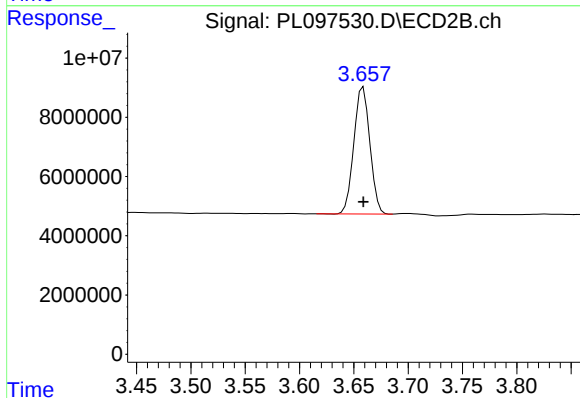
R.T.: 4.299 min  
Delta R.T.: 0.000 min  
Response: 30329973  
Conc: 4.77 ng/ml

ICAL Form

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

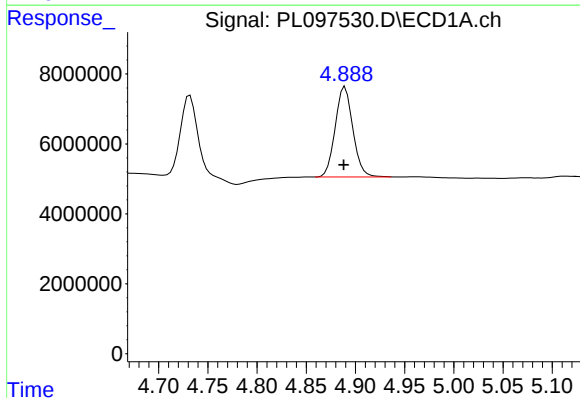
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



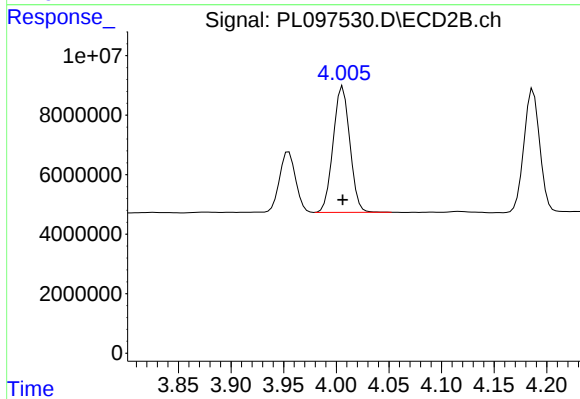
#3 gamma-BHC (Lindane)

R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 44004103  
Conc: 4.79 ng/ml



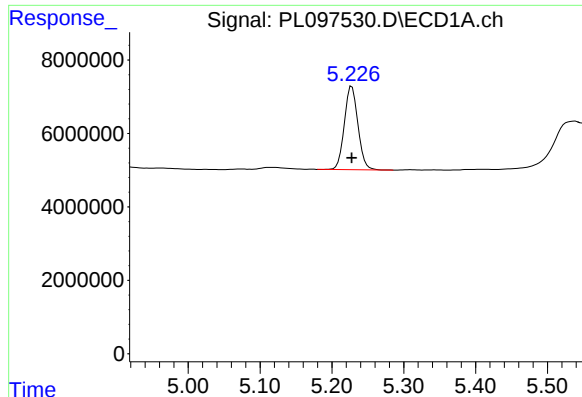
#4 Heptachlor

R.T.: 4.888 min  
Delta R.T.: 0.000 min  
Response: 32306585  
Conc: 5.01 ng/ml m



#4 Heptachlor

R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 46717000  
Conc: 5.08 ng/ml



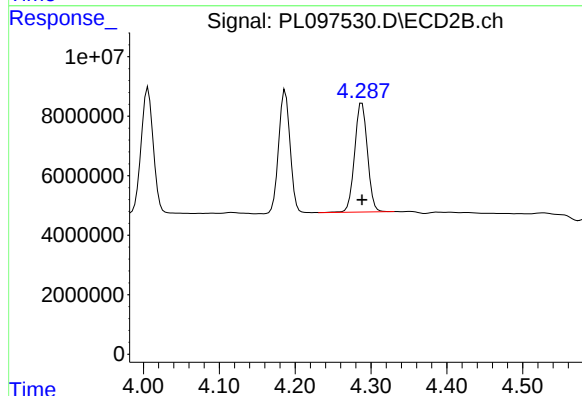
#5 Aldrin

R.T.: 5.228 min  
Delta R.T.: 0.000 min  
Response: 29793038  
Conc: 4.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

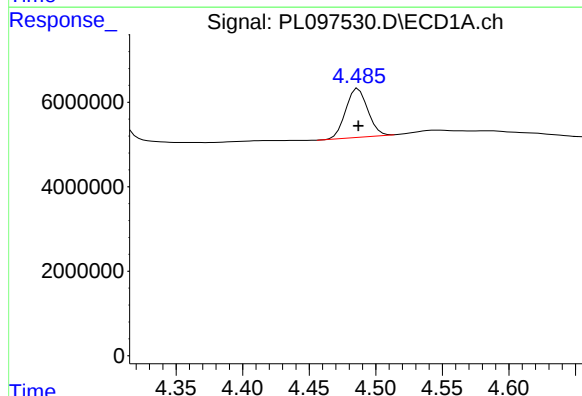
Manual Integrations  
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Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



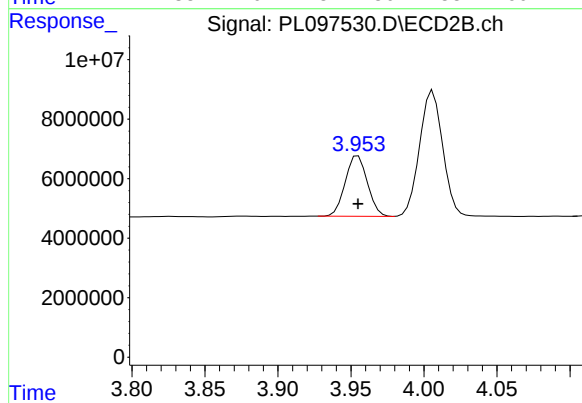
#5 Aldrin

R.T.: 4.288 min  
Delta R.T.: 0.000 min  
Response: 42975067  
Conc: 4.96 ng/ml



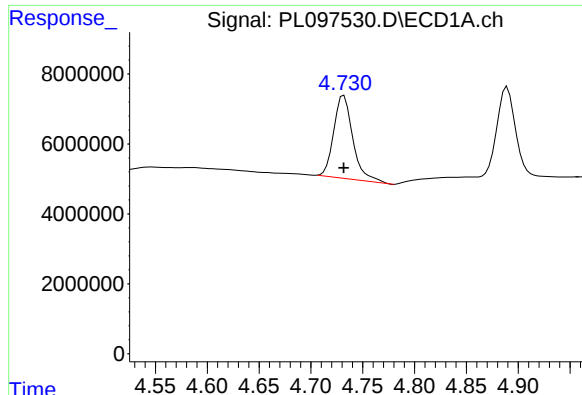
#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 13232665  
Conc: 5.12 ng/ml



#6 beta-BHC

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 21469148  
Conc: 5.40 ng/ml



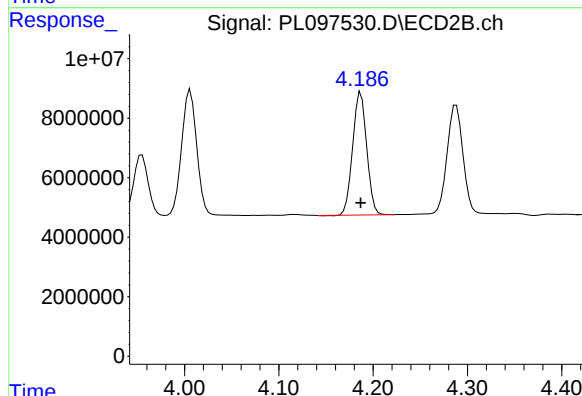
#7 delta-BHC

R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 30468498  
Conc: 5.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

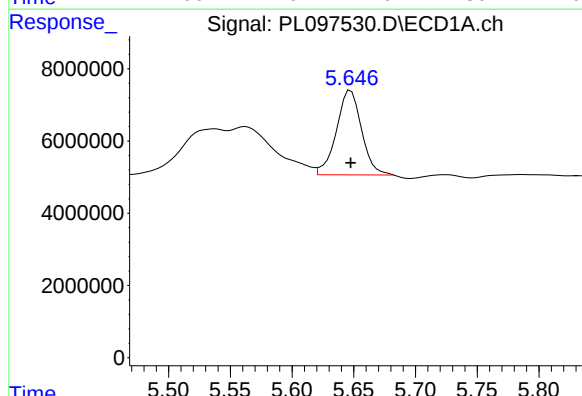
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



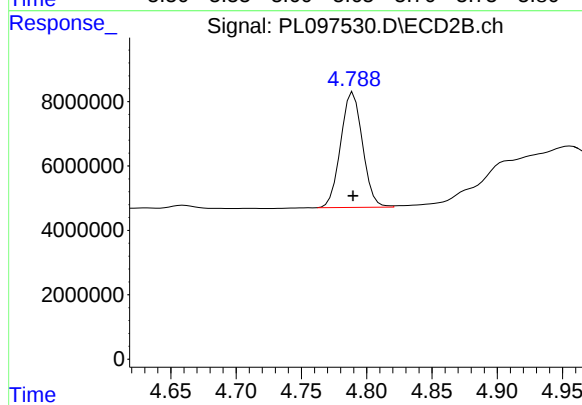
#7 delta-BHC

R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 42743595  
Conc: 4.73 ng/ml



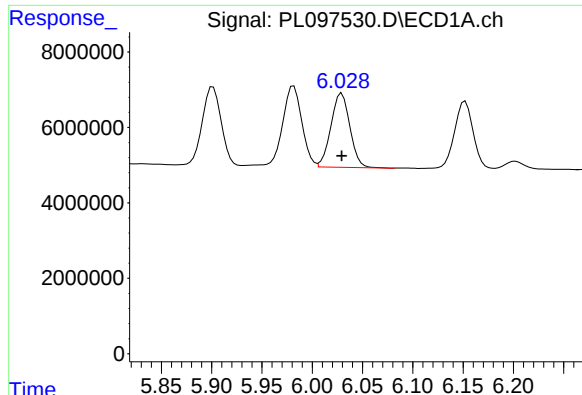
#8 Heptachlor epoxide

R.T.: 5.646 min  
Delta R.T.: -0.001 min  
Response: 33101826  
Conc: 5.54 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 41697351  
Conc: 5.28 ng/ml



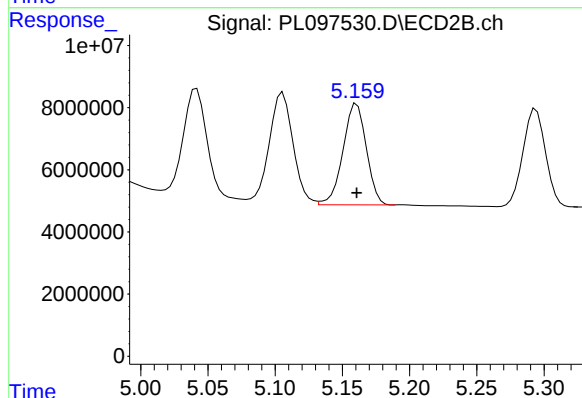
## #9 Endosulfan I

R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 25685922  
Conc: 5.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

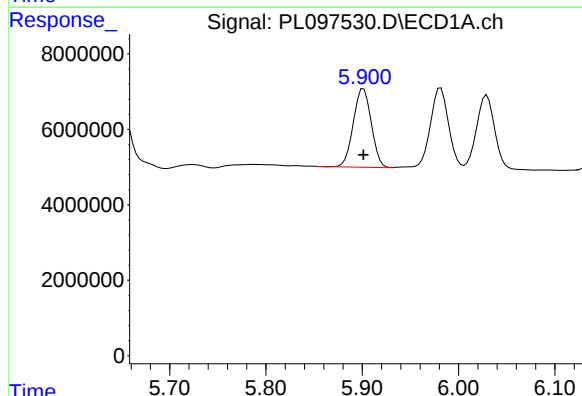
Manual Integrations  
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Supervised By :mohammad ahmed 10/09/2025



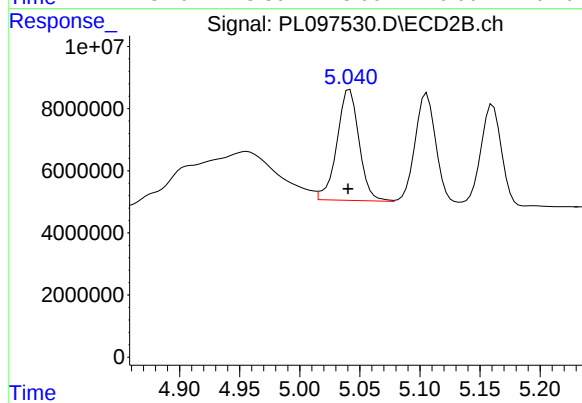
## #9 Endosulfan I

R.T.: 5.159 min  
Delta R.T.: -0.001 min  
Response: 39259145  
Conc: 5.27 ng/ml m



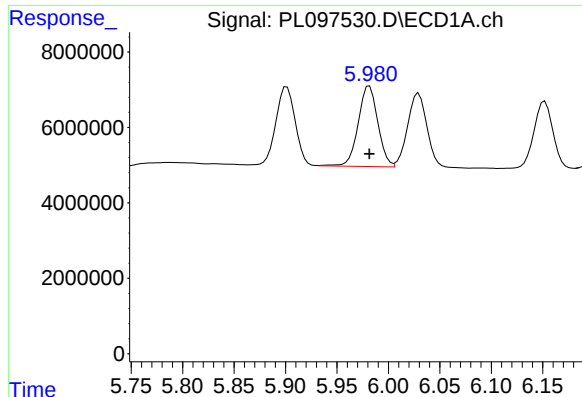
## #10 gamma-Chlordane

R.T.: 5.901 min  
Delta R.T.: 0.000 min  
Response: 26959817  
Conc: 4.97 ng/ml



## #10 gamma-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 45741136  
Conc: 5.28 ng/ml m



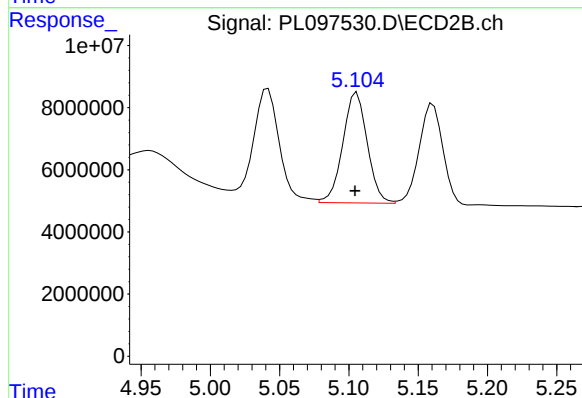
#11 alpha-Chlordane

R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 28366665  
Conc: 5.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

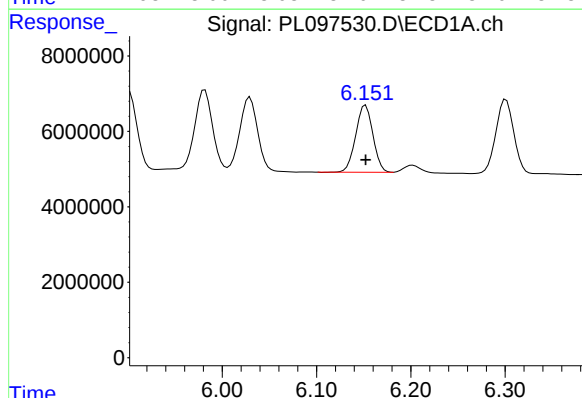
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



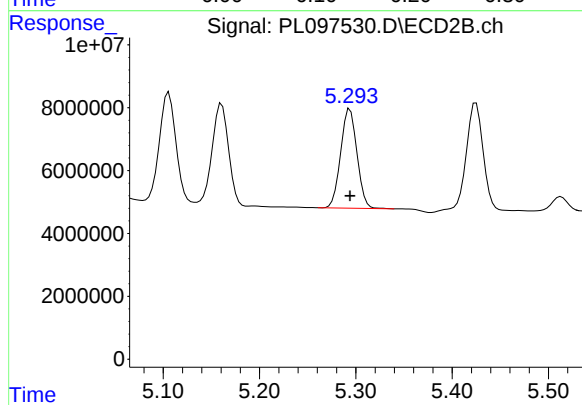
#11 alpha-Chlordane

R.T.: 5.104 min  
Delta R.T.: 0.000 min  
Response: 43589310  
Conc: 5.25 ng/ml m



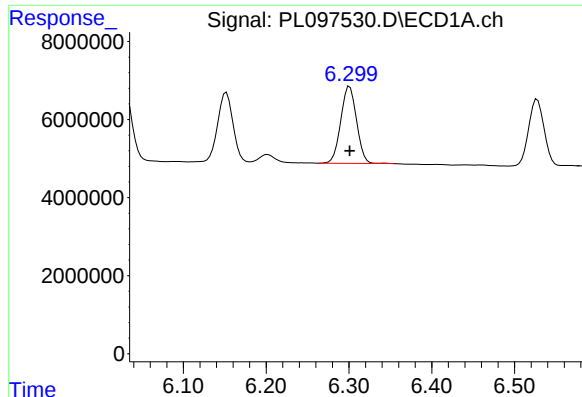
#12 4,4'-DDE

R.T.: 6.152 min  
Delta R.T.: 0.000 min  
Response: 22578205  
Conc: 4.85 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min  
Delta R.T.: 0.000 min  
Response: 37045119  
Conc: 4.88 ng/ml



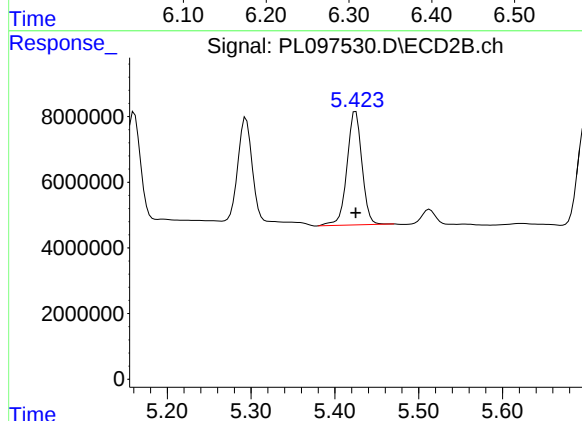
#13 Dieldrin

R.T.: 6.301 min  
Delta R.T.: 0.000 min  
Response: 26178667  
Conc: 4.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

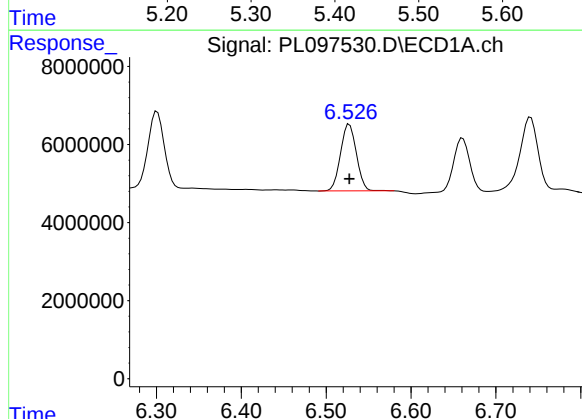
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



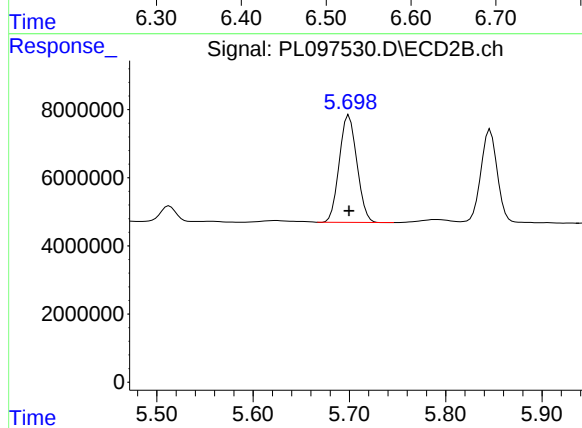
#13 Dieldrin

R.T.: 5.425 min  
Delta R.T.: 0.000 min  
Response: 43077308  
Conc: 5.21 ng/ml



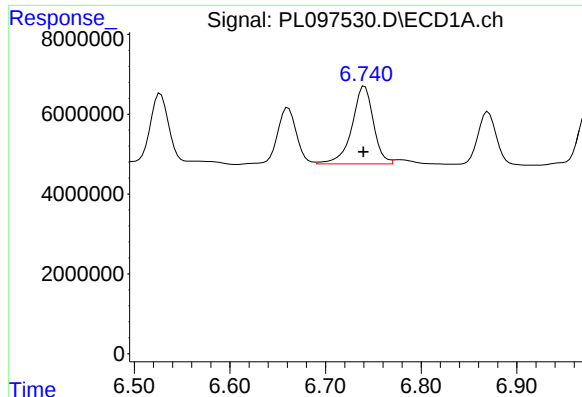
#14 Endrin

R.T.: 6.527 min  
Delta R.T.: 0.000 min  
Response: 22242785  
Conc: 4.97 ng/ml



#14 Endrin

R.T.: 5.700 min  
Delta R.T.: 0.000 min  
Response: 40023725  
Conc: 5.41 ng/ml



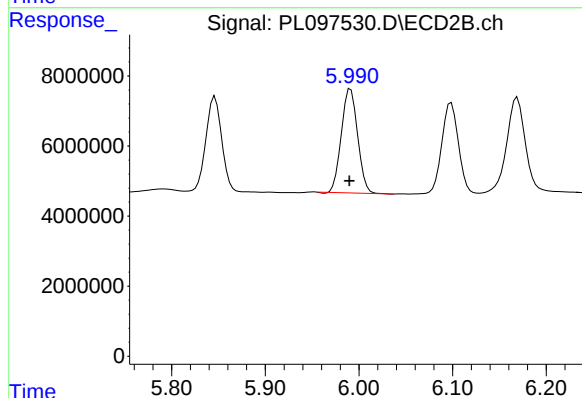
## #15 Endosulfan II

R.T.: 6.740 min  
Delta R.T.: 0.000 min  
Response: 30509296  
Conc: 6.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

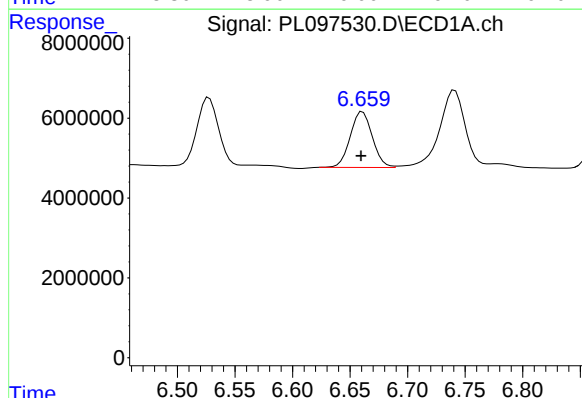
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



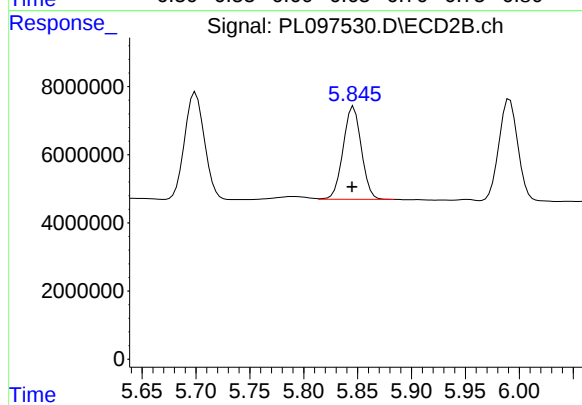
## #15 Endosulfan II

R.T.: 5.991 min  
Delta R.T.: 0.001 min  
Response: 35911153  
Conc: 5.18 ng/ml



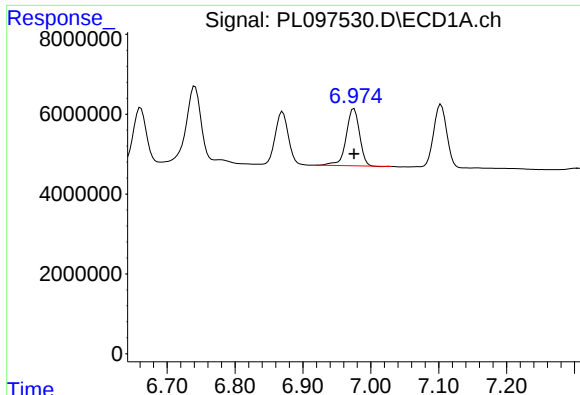
## #16 4,4'-DDD

R.T.: 6.659 min  
Delta R.T.: 0.000 min  
Response: 18850267  
Conc: 4.99 ng/ml m



## #16 4,4'-DDD

R.T.: 5.845 min  
Delta R.T.: 0.000 min  
Response: 32072276  
Conc: 5.02 ng/ml m



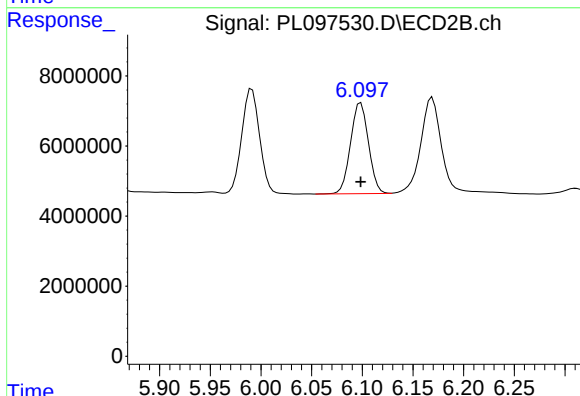
#17 4,4'-DDT

R.T.: 6.975 min  
Delta R.T.: 0.000 min  
Response: 19545223  
Conc: 4.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

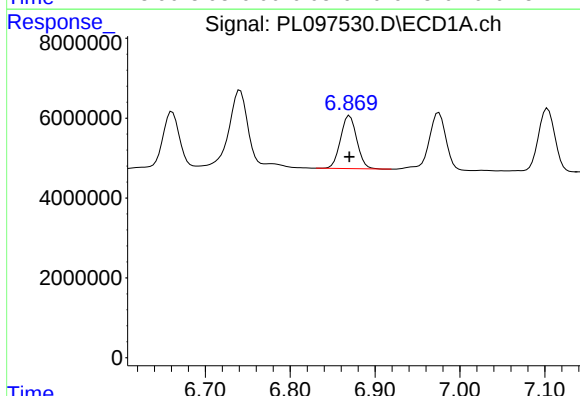
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



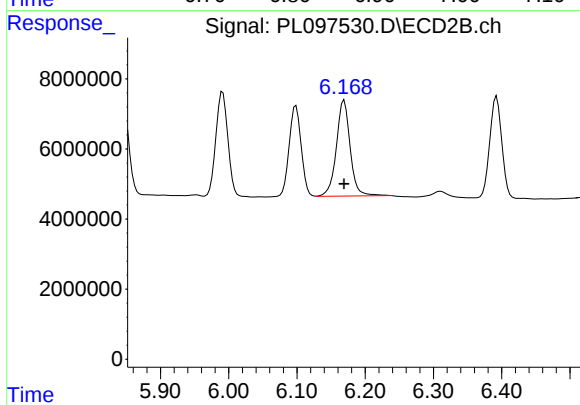
#17 4,4'-DDT

R.T.: 6.099 min  
Delta R.T.: 0.000 min  
Response: 31911242  
Conc: 4.79 ng/ml



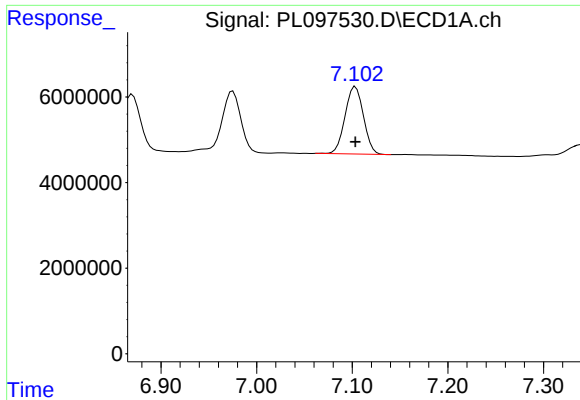
#18 Endrin aldehyde

R.T.: 6.870 min  
Delta R.T.: 0.000 min  
Response: 17702219  
Conc: 5.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.169 min  
Delta R.T.: 0.000 min  
Response: 38554790  
Conc: 6.70 ng/ml



#19 Endosulfan Sulfate

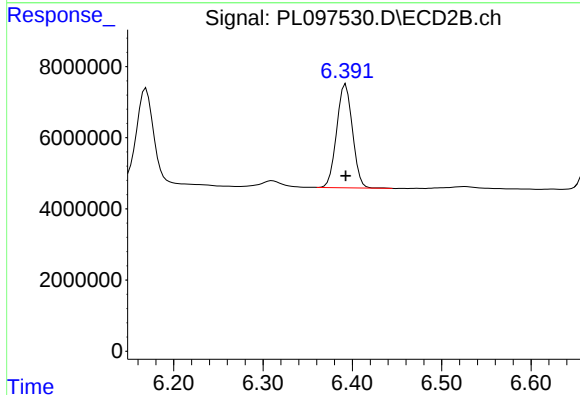
R.T.: 7.103 min  
Delta R.T.: 0.000 min  
Response: 21130418  
Conc: 5.27 ng/ml

ICAL Form

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

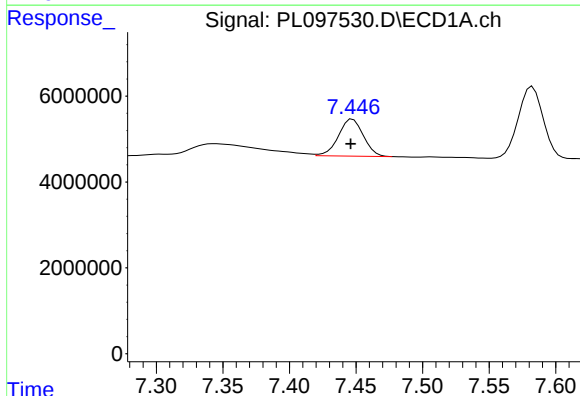
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



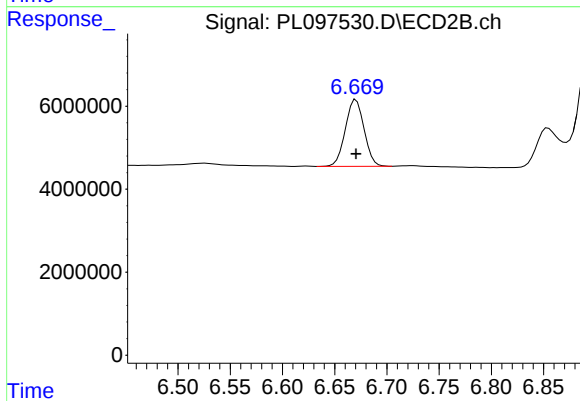
#19 Endosulfan Sulfate

R.T.: 6.393 min  
Delta R.T.: 0.000 min  
Response: 35709397  
Conc: 5.36 ng/ml



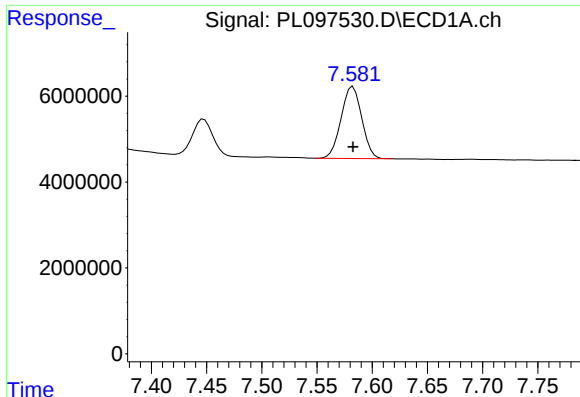
#20 Methoxychlor

R.T.: 7.446 min  
Delta R.T.: 0.000 min  
Response: 11260639  
Conc: 5.37 ng/ml m



#20 Methoxychlor

R.T.: 6.670 min  
Delta R.T.: 0.000 min  
Response: 20091269  
Conc: 5.51 ng/ml



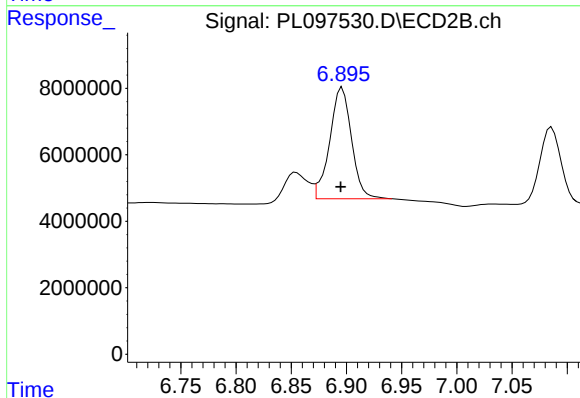
#21 Endrin ketone

R.T.: 7.581 min  
Delta R.T.: -0.001 min  
Response: 21852412  
Conc: 5.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

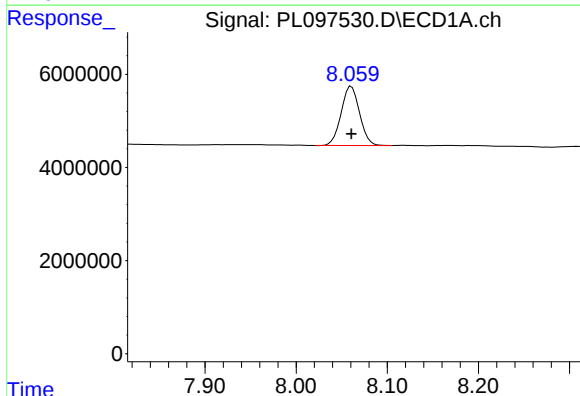
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



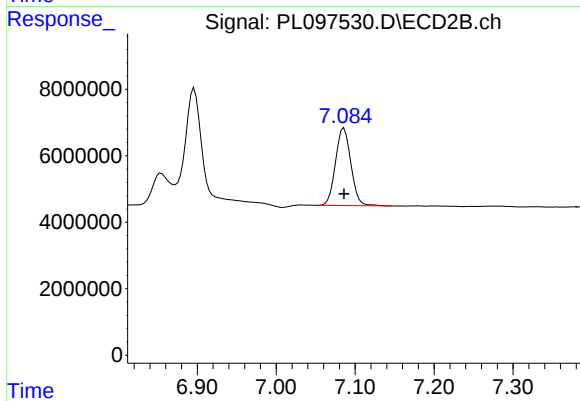
#21 Endrin ketone

R.T.: 6.895 min  
Delta R.T.: 0.000 min  
Response: 45578581  
Conc: 5.82 ng/ml m



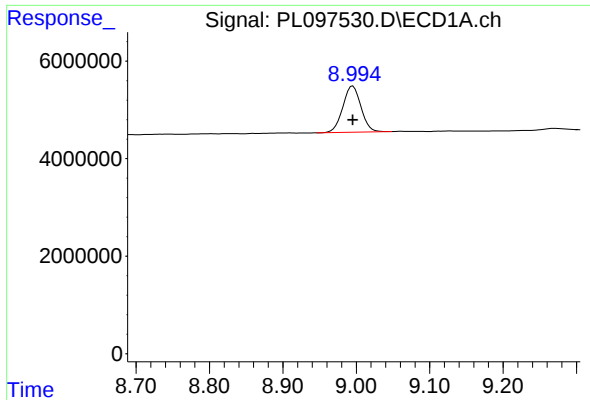
#22 Mirex

R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 17837199  
Conc: 5.74 ng/ml



#22 Mirex

R.T.: 7.086 min  
Delta R.T.: 0.000 min  
Response: 31483732  
Conc: 5.88 ng/ml



#28 Decachlorobiphenyl

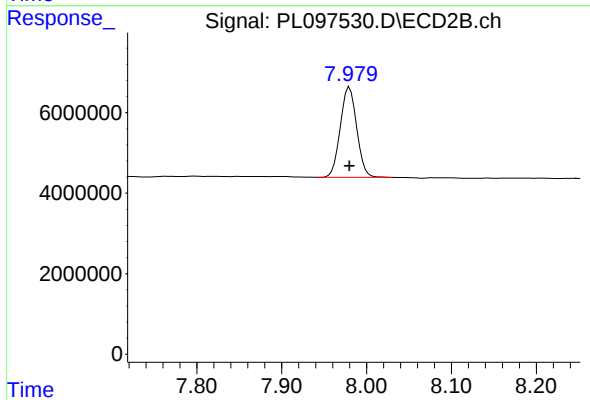
ICAL Form

R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 16313666  
Conc: 5.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 30126190  
Conc: 5.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097533.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 13:05  
 Operator : AR\AJ  
 Sample : PCHLORICC500  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PCHLORICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 13:27:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 13:26:49 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|---------|---------|---------|
| -----                       |                 |       |       |          |         |         |         |
| System Monitoring Compounds |                 |       |       |          |         |         |         |
| 1)                          | SA Tetrachlo... | 3.524 | 2.821 | 180.5E6  | 352.0E6 | 50.000  | 50.000  |
| 28)                         | SA Decachlor... | 8.996 | 7.980 | 129.9E6  | 231.8E6 | 50.000  | 50.000  |
| Target Compounds            |                 |       |       |          |         |         |         |
| 23)                         | Chlordane-1     | 4.676 | 3.830 | 98917512 | 124.8E6 | 500.000 | 500.000 |
| 24)                         | Chlordane-2     | 5.199 | 4.408 | 112.5E6  | 139.1E6 | 500.000 | 500.000 |
| 25)                         | Chlordane-3     | 5.902 | 5.041 | 412.5E6  | 442.0E6 | 500.000 | 500.000 |
| 26)                         | Chlordane-4     | 5.987 | 5.104 | 499.9E6  | 391.0E6 | 500.000 | 500.000 |
| 27)                         | Chlordane-5     | 6.823 | 5.998 | 86009600 | 145.9E6 | 500.000 | 500.000 |
| -----                       |                 |       |       |          |         |         |         |

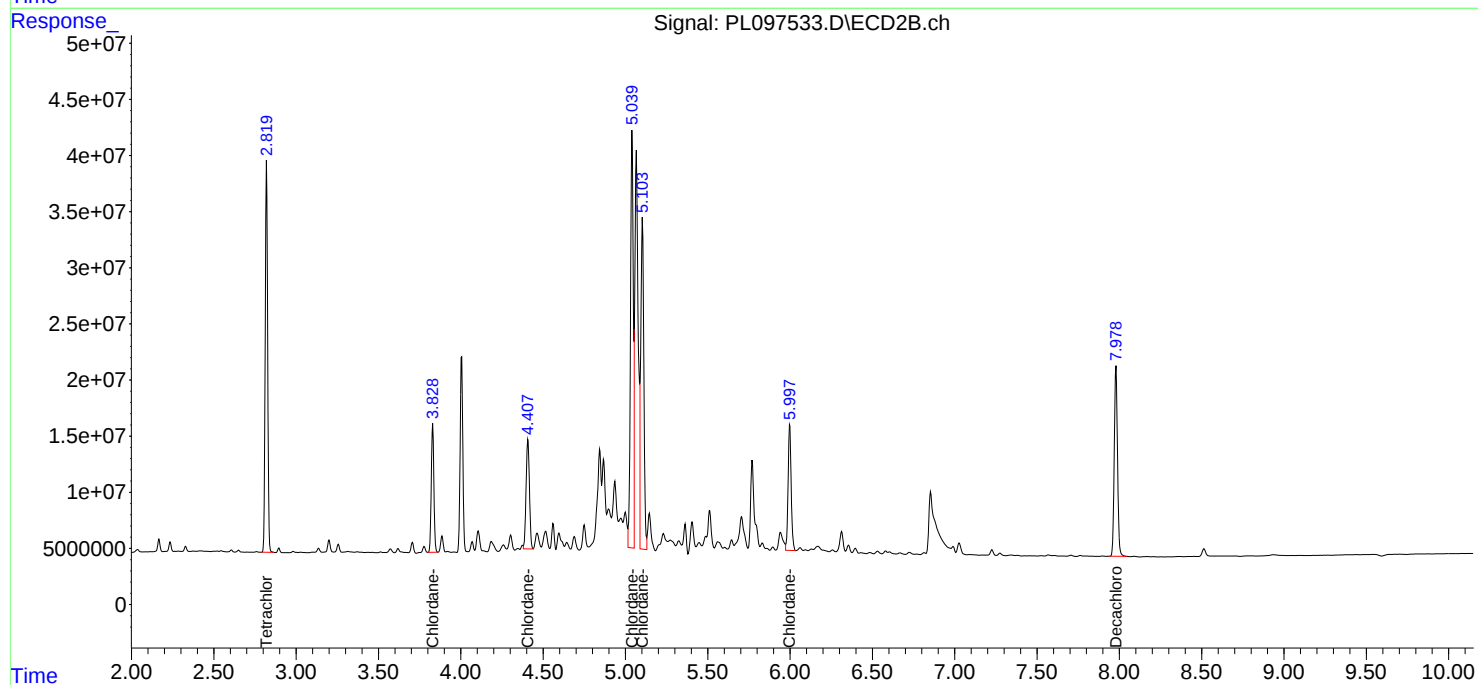
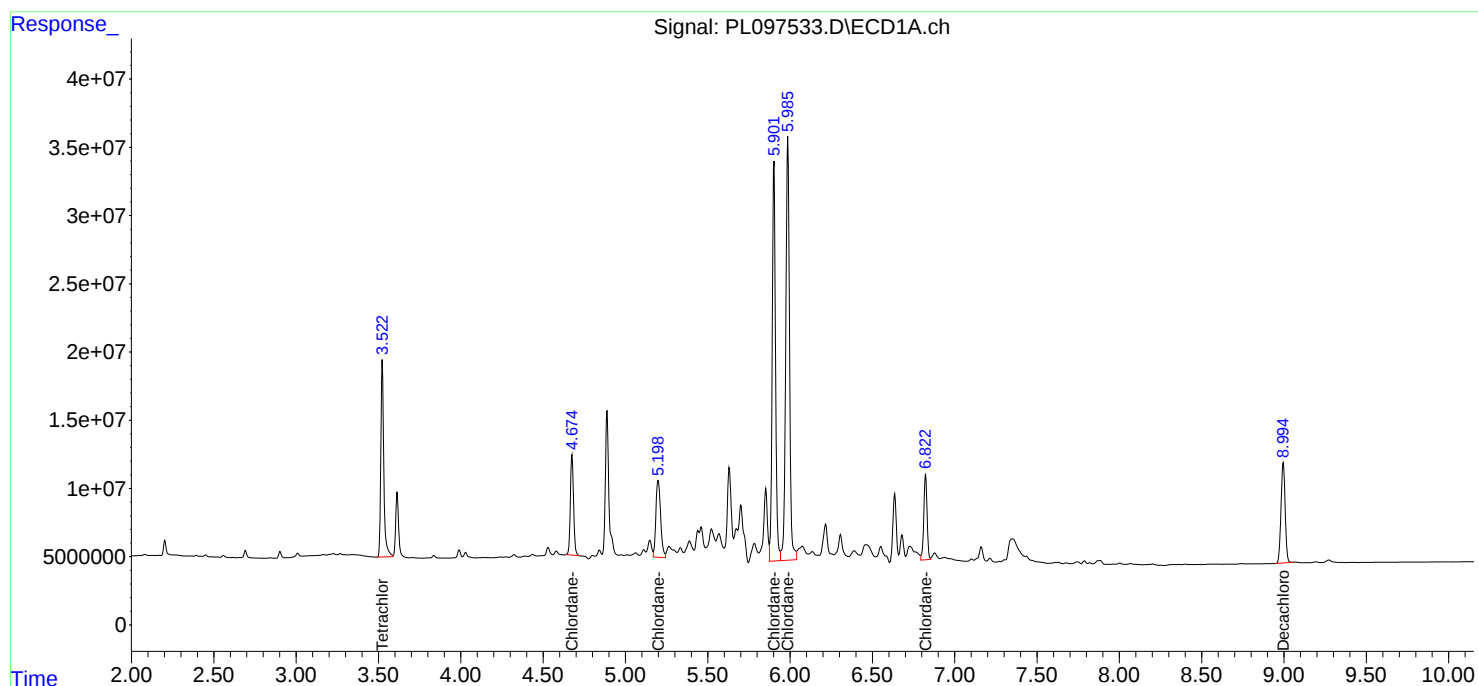
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

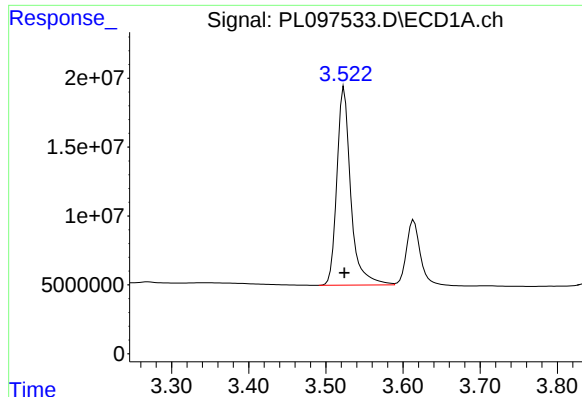
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097533.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 13:05  
Operator : AR\AJ  
Sample : PCHLORICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 13:27:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 13:26:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

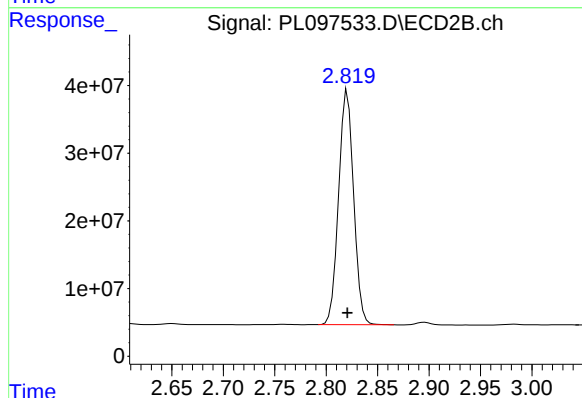




## #1 Tetrachloro-m-xylene

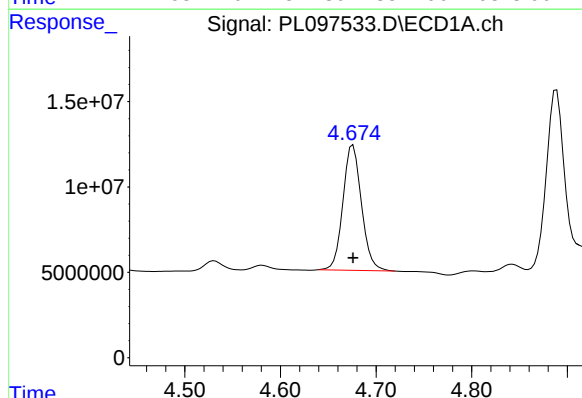
R.T.: 3.524 min  
Delta R.T.: 0.000 min  
Response: 180456880  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



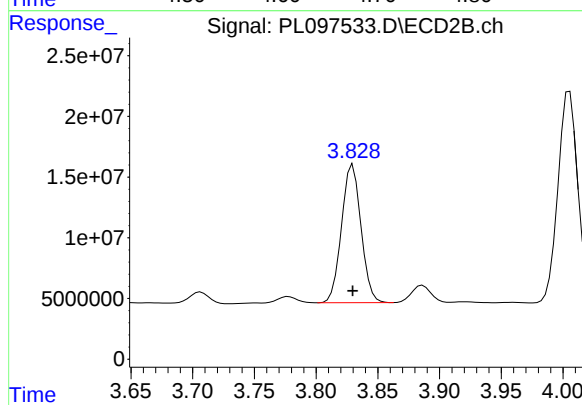
## #1 Tetrachloro-m-xylene

R.T.: 2.821 min  
Delta R.T.: 0.000 min  
Response: 352005643  
Conc: 50.00 ng/ml



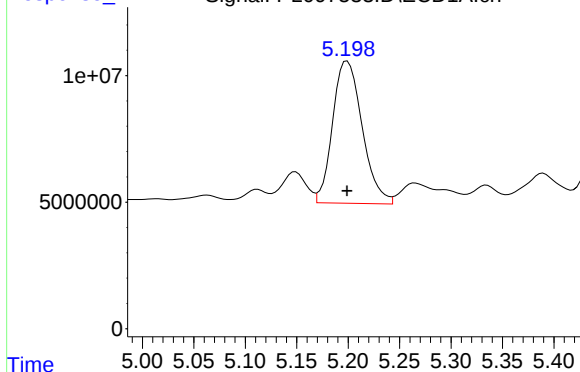
## #23 Chlordane-1

R.T.: 4.676 min  
Delta R.T.: 0.000 min  
Response: 98917512  
Conc: 500.00 ng/ml



## #23 Chlordane-1

R.T.: 3.830 min  
Delta R.T.: 0.000 min  
Response: 124843732  
Conc: 500.00 ng/ml



R.T.: 5.199 min  
Delta R.T.: 0.000 min  
Response: 112514401  
Conc: 500.00 ng/ml

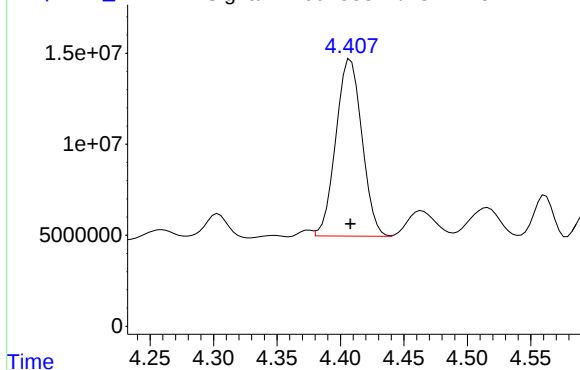
Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500

Time

Response\_

Signal: PL097533.D\ECD2B.ch

#24 Chlordane-2



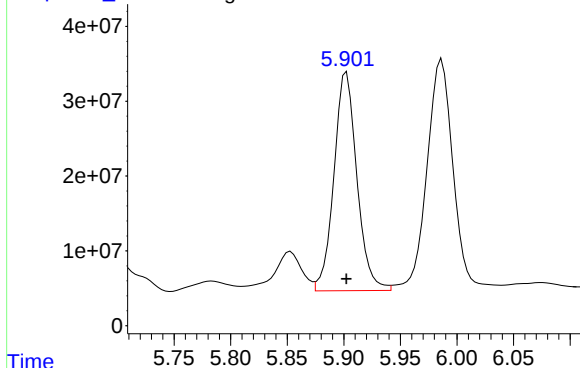
R.T.: 4.408 min  
Delta R.T.: 0.000 min  
Response: 139128679  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PL097533.D\ECD1A.ch

#25 Chlordane-3



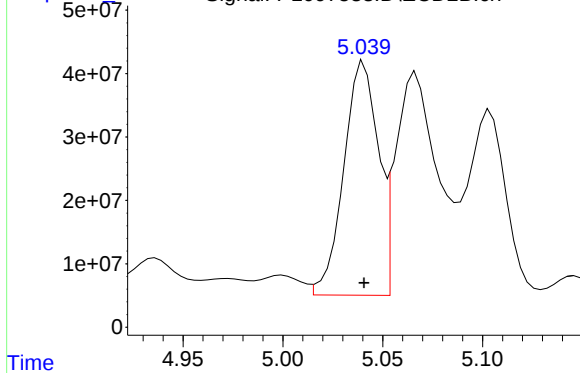
R.T.: 5.902 min  
Delta R.T.: 0.000 min  
Response: 412457375  
Conc: 500.00 ng/ml

Time

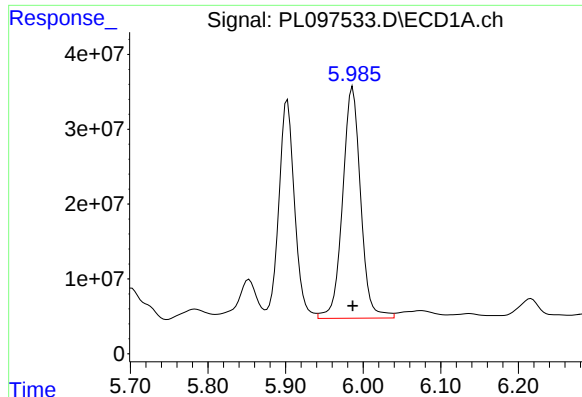
Response\_

Signal: PL097533.D\ECD2B.ch

#25 Chlordane-3



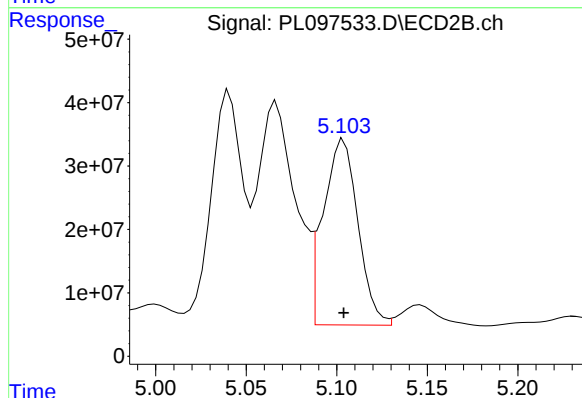
R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 442019519  
Conc: 500.00 ng/ml



#26 Chlordane-4

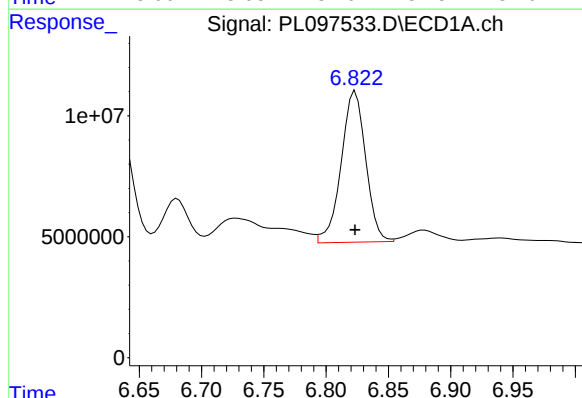
R.T.: 5.987 min  
Delta R.T.: 0.000 min  
Response: 499923860  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



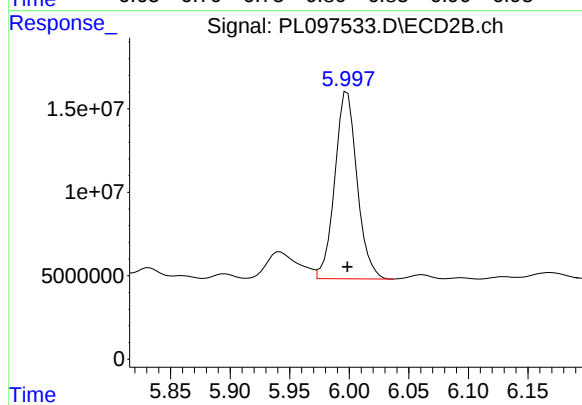
#26 Chlordane-4

R.T.: 5.104 min  
Delta R.T.: 0.000 min  
Response: 390988552  
Conc: 500.00 ng/ml



#27 Chlordane-5

R.T.: 6.823 min  
Delta R.T.: 0.000 min  
Response: 86009600  
Conc: 500.00 ng/ml



#27 Chlordane-5

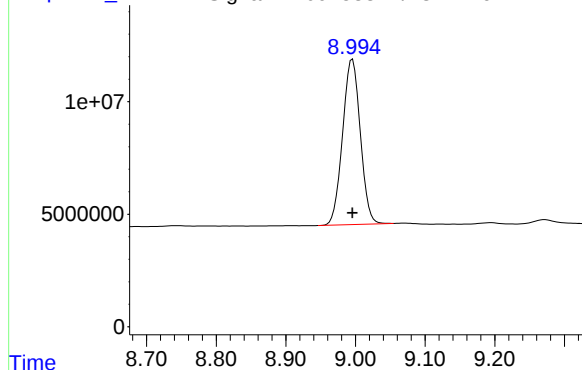
R.T.: 5.998 min  
Delta R.T.: 0.000 min  
Response: 145879541  
Conc: 500.00 ng/ml

Response\_

Signal: PL097533.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 8.996 min  
Delta R.T.: 0.000 min  
Response: 129851357  
Conc: 50.00 ng/ml

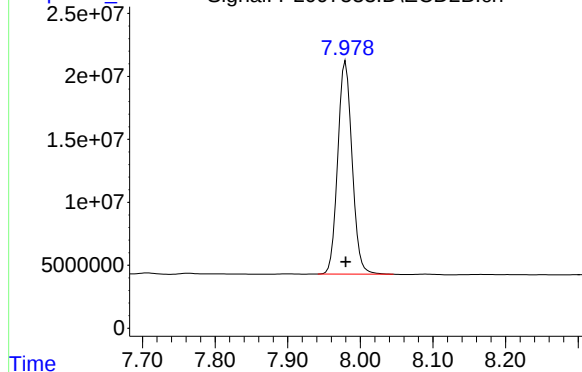
Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500

Time

Response

Signal: PL097533.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 231809198  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097538.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 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: Oct 08 02:44:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX100725.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Oct 08 02:43:27 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.525 | 2.823 | 201.8E6  | 303.5E6  | 50.000  | 50.000  |
| 7) SA Decachlor...          | 8.995 | 7.980 | 152.2E6  | 268.7E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.197 | 5.064 | 19618950 | 21824392 | 500.000 | 500.000 |
| 3) Toxaphene-2              | 6.596 | 5.749 | 15978539 | 27407056 | 500.000 | 500.000 |
| 4) Toxaphene-3              | 7.010 | 6.029 | 70581901 | 28284734 | 500.000 | 500.000 |
| 5) Toxaphene-4              | 7.100 | 6.664 | 51701599 | 86131706 | 500.000 | 500.000 |
| 6) Toxaphene-5              | 7.879 | 7.104 | 37008274 | 52364800 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

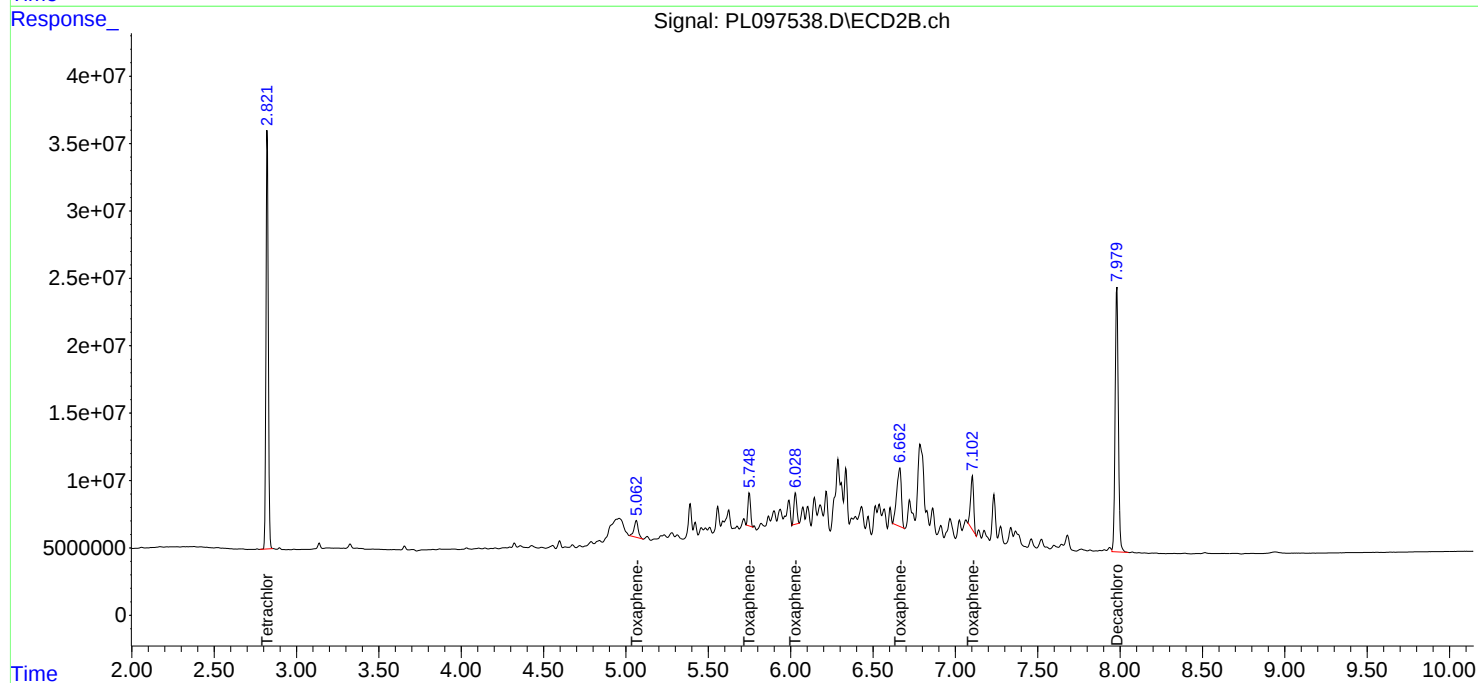
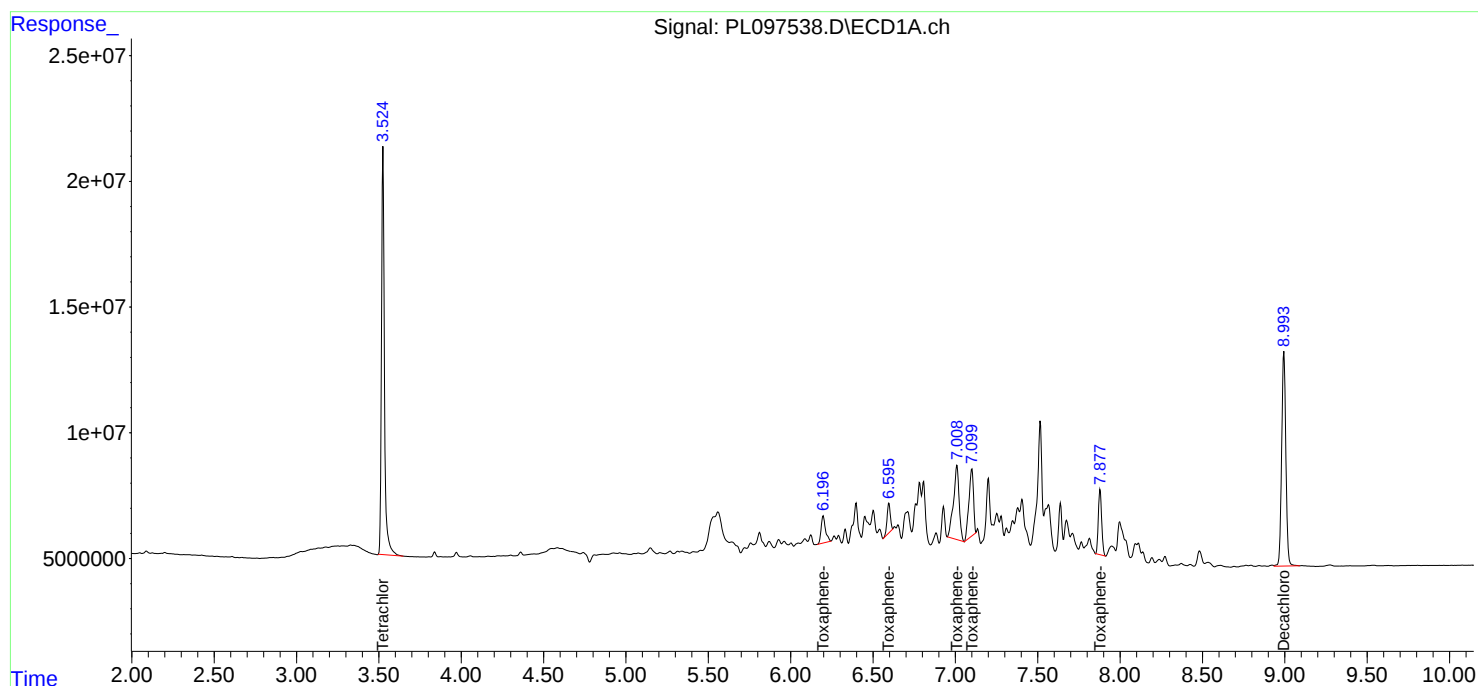
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

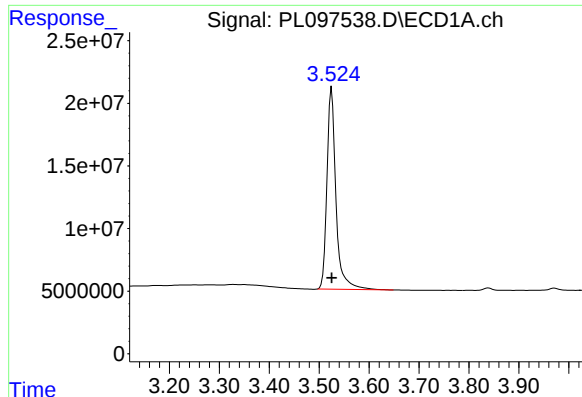
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097538.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 14:13  
Operator : AR\AJ  
Sample : PTOXICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 08 02:44:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX100725.M  
Quant Title : GC Extractables  
QLast Update : Wed Oct 08 02:43:27 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

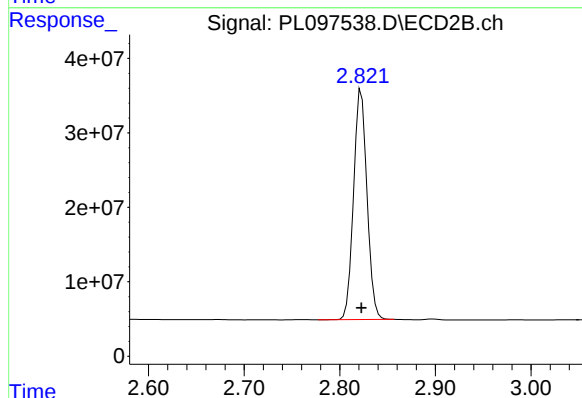




## #1 Tetrachloro-m-xylene

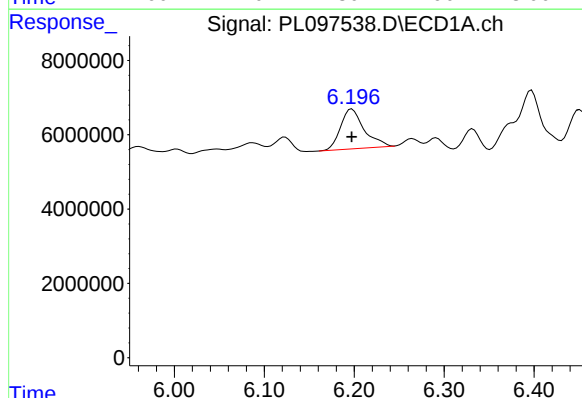
R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 201809321  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



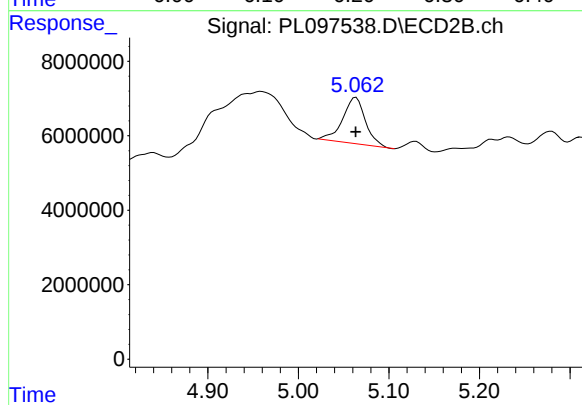
## #1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 303527691  
Conc: 50.00 ng/ml



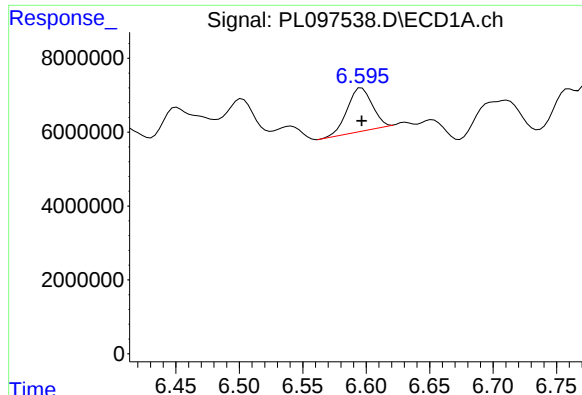
## #2 Toxaphene-1

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 19618950  
Conc: 500.00 ng/ml



## #2 Toxaphene-1

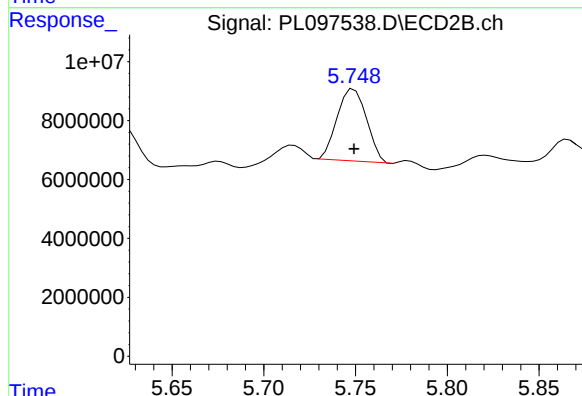
R.T.: 5.064 min  
Delta R.T.: 0.000 min  
Response: 21824392  
Conc: 500.00 ng/ml



## #3 Toxaphene-2

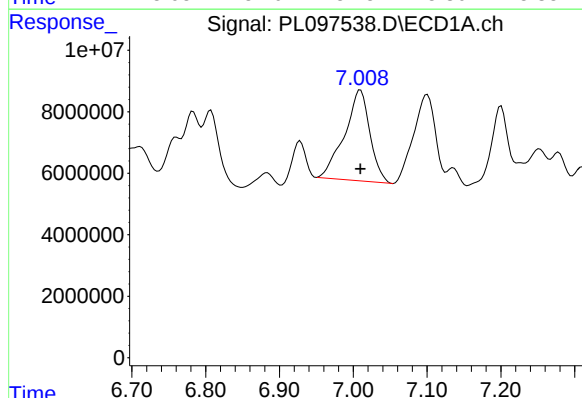
R.T.: 6.596 min  
Delta R.T.: 0.000 min  
Response: 15978539  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



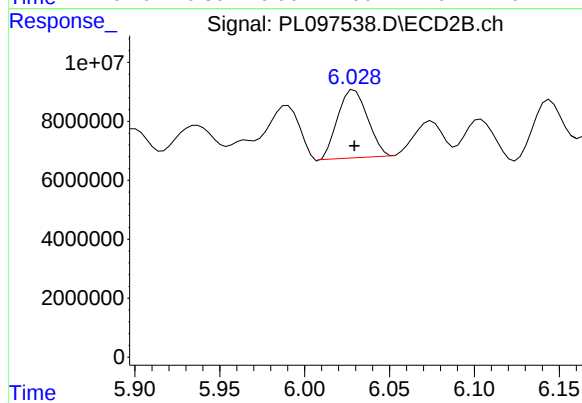
## #3 Toxaphene-2

R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 27407056  
Conc: 500.00 ng/ml



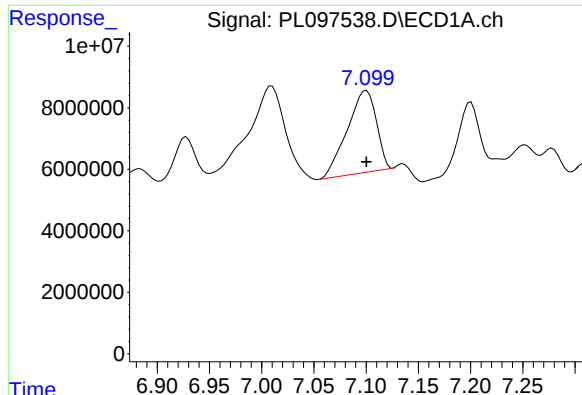
## #4 Toxaphene-3

R.T.: 7.010 min  
Delta R.T.: 0.000 min  
Response: 70581901  
Conc: 500.00 ng/ml



## #4 Toxaphene-3

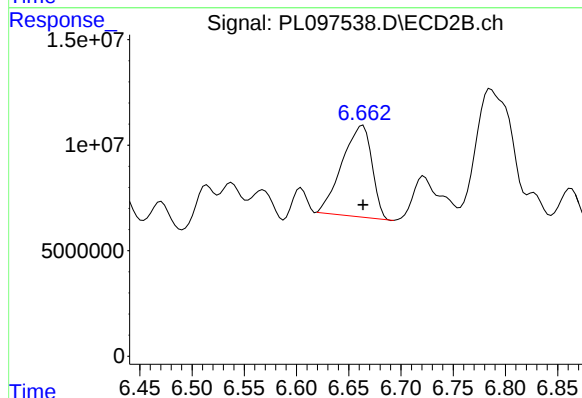
R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 28284734  
Conc: 500.00 ng/ml



## #5 Toxaphene-4

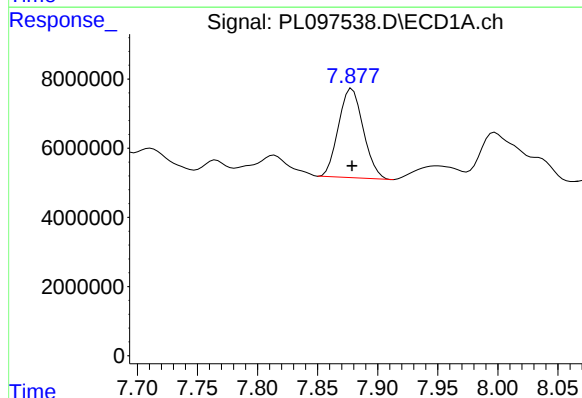
R.T.: 7.100 min  
Delta R.T.: 0.000 min  
Response: 51701599  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



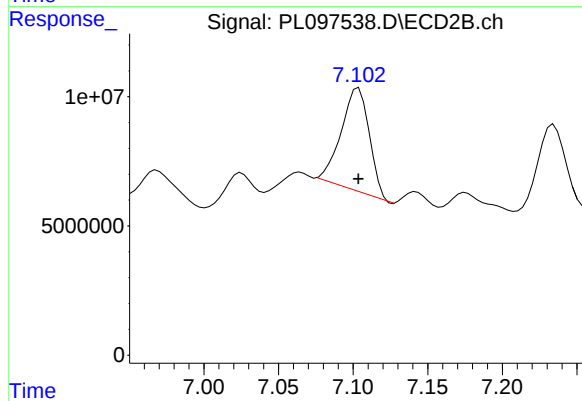
## #5 Toxaphene-4

R.T.: 6.664 min  
Delta R.T.: 0.000 min  
Response: 86131706  
Conc: 500.00 ng/ml



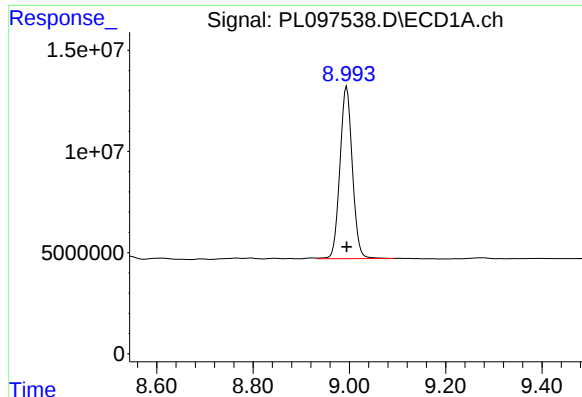
## #6 Toxaphene-5

R.T.: 7.879 min  
Delta R.T.: 0.000 min  
Response: 37008274  
Conc: 500.00 ng/ml



## #6 Toxaphene-5

R.T.: 7.104 min  
Delta R.T.: 0.000 min  
Response: 52364800  
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 8.995 min

Delta R.T.: 0.000 min

Response: 152214224

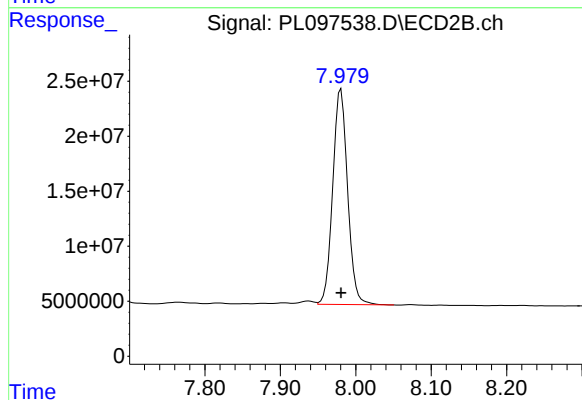
Conc: 50.00 ng/ml

Instrument :

ECD\_L

ClientSampleId :

PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.980 min

Delta R.T.: 0.000 min

Response: 268707563

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097541.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 15:26  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL100725

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 15:40:40 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 14:32:10 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.525 | 2.823 | 196.5E6  | 292.3E6 | 48.196 | 48.031 |
| 28)                         | SA Decachlor... | 8.995 | 7.980 | 142.1E6  | 252.1E6 | 47.773 | 48.585 |
| Target Compounds            |                 |       |       |          |         |        |        |
| 2)                          | A alpha-BHC     | 3.971 | 3.328 | 328.4E6  | 485.0E6 | 48.686 | 49.152 |
| 3)                          | MA gamma-BHC... | 4.299 | 3.659 | 308.4E6  | 450.1E6 | 48.521 | 48.996 |
| 4)                          | MA Heptachlor   | 4.890 | 4.006 | 313.4E6  | 447.8E6 | 48.585 | 48.714 |
| 5)                          | MB Aldrin       | 5.229 | 4.288 | 291.3E6  | 424.4E6 | 48.442 | 48.941 |
| 6)                          | B beta-BHC      | 4.487 | 3.955 | 126.3E6  | 190.4E6 | 48.855 | 47.859 |
| 7)                          | B delta-BHC     | 4.732 | 4.187 | 292.7E6  | 444.7E6 | 48.193 | 49.227 |
| 8)                          | B Heptachlo...  | 5.648 | 4.790 | 273.0E6  | 382.8E6 | 46.897 | 48.472 |
| 9)                          | A Endosulfan I  | 6.029 | 5.160 | 241.0E6  | 360.5E6 | 48.470 | 48.891 |
| 10)                         | B gamma-Chl...  | 5.902 | 5.041 | 263.4E6  | 416.4E6 | 48.523 | 47.895 |
| 11)                         | B alpha-Chl...  | 5.982 | 5.105 | 261.8E6  | 400.4E6 | 48.243 | 48.084 |
| 12)                         | B 4,4'-DDE      | 6.152 | 5.294 | 226.2E6  | 374.0E6 | 48.560 | 49.257 |
| 13)                         | MA Dieldrin     | 6.301 | 5.424 | 256.3E6  | 394.7E6 | 48.731 | 47.735 |
| 14)                         | MA Endrin       | 6.528 | 5.699 | 216.5E6  | 354.0E6 | 48.392 | 47.833 |
| 15)                         | B Endosulfa...  | 6.741 | 5.991 | 224.4E6  | 339.0E6 | 45.863 | 49.093 |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.846 | 182.9E6  | 317.1E6 | 48.475 | 49.712 |
| 17)                         | MA 4,4'-DDT     | 6.975 | 6.099 | 198.7E6  | 329.8E6 | 48.993 | 49.499 |
| 18)                         | B Endrin al...  | 6.870 | 6.169 | 159.6E6  | 262.7E6 | 48.718 | 45.617 |
| 19)                         | B Endosulfa...  | 7.104 | 6.393 | 193.0E6  | 324.7E6 | 48.122 | 48.770 |
| 20)                         | A Methoxychlor  | 7.448 | 6.670 | 98984099 | 176.8E6 | 47.383 | 48.501 |
| 21)                         | B Endrin ke...  | 7.583 | 6.896 | 208.7E6  | 364.2E6 | 48.749 | 46.108 |
| 22)                         | Mirex           | 8.061 | 7.086 | 147.4E6  | 256.2E6 | 47.423 | 47.897 |
| -----                       |                 |       |       |          |         |        |        |

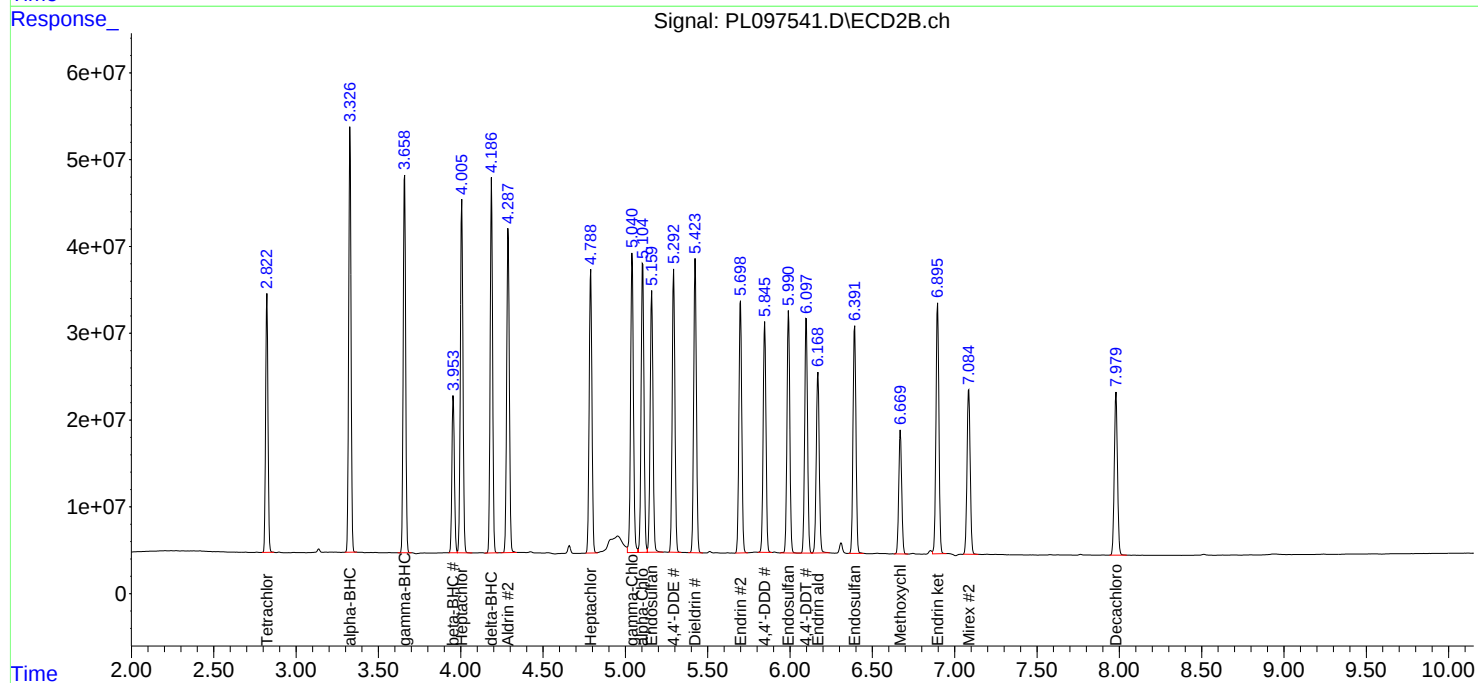
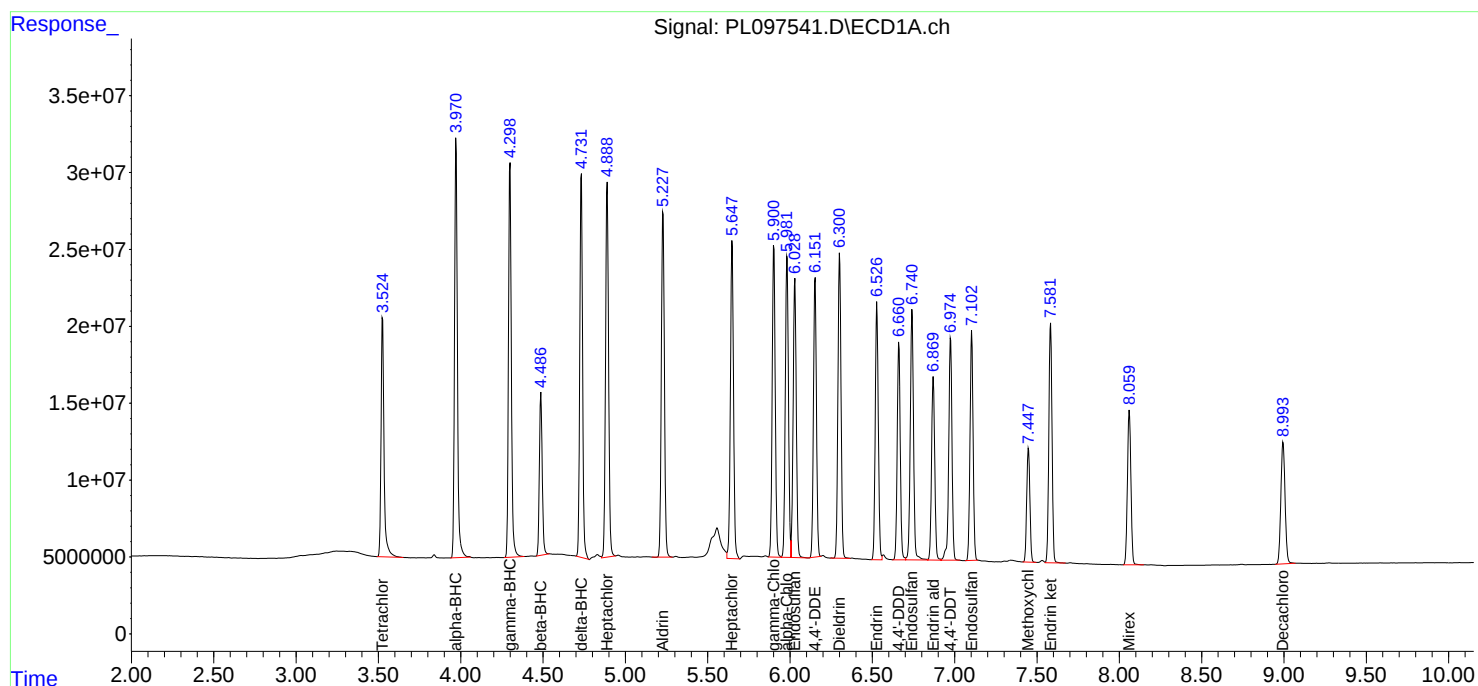
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

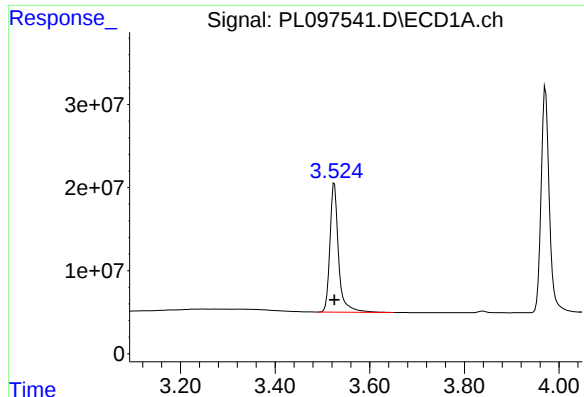
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097541.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 15:26  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 15:40:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 14:32:10 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

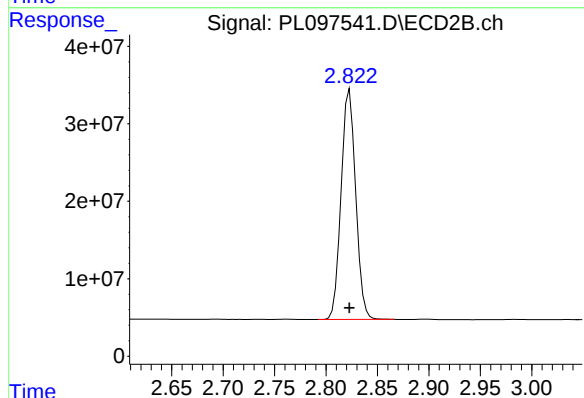




## #1 Tetrachloro-m-xylene

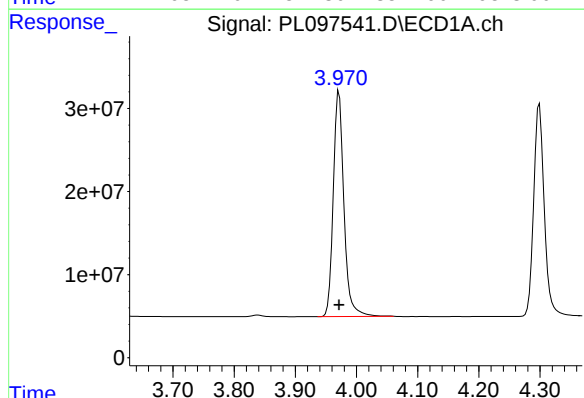
R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 196482893  
Conc: 48.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725



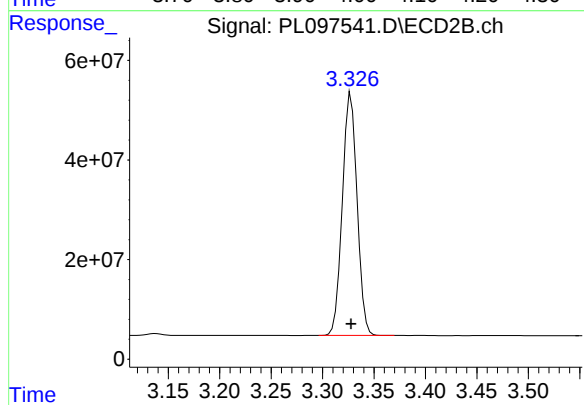
## #1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 292333717  
Conc: 48.03 ng/ml



## #2 alpha-BHC

R.T.: 3.971 min  
Delta R.T.: 0.000 min  
Response: 328421539  
Conc: 48.69 ng/ml



## #2 alpha-BHC

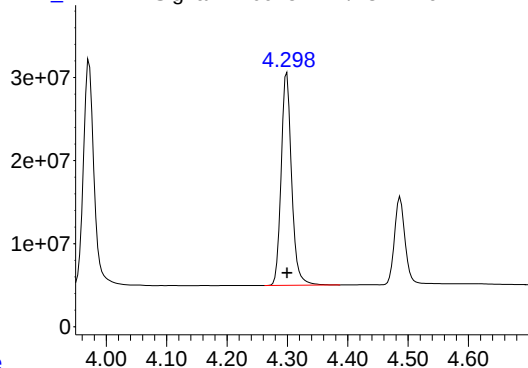
R.T.: 3.328 min  
Delta R.T.: 0.000 min  
Response: 484983368  
Conc: 49.15 ng/ml

Response\_

Signal: PL097541.D\ECD1A.ch

#3 gamma-BHC (Lindane)

ICAL Form



R.T.: 4.299 min  
Delta R.T.: 0.000 min  
Response: 308412608  
Conc: 48.52 ng/ml

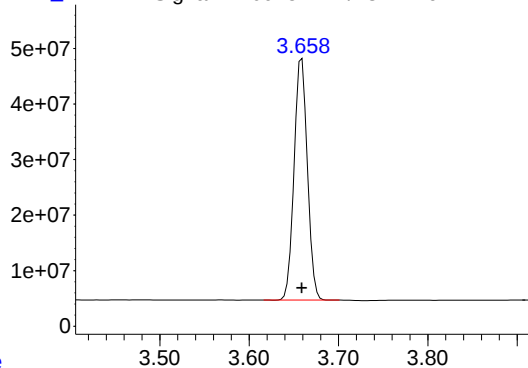
Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725

Time

Response\_

Signal: PL097541.D\ECD2B.ch

#3 gamma-BHC (Lindane)



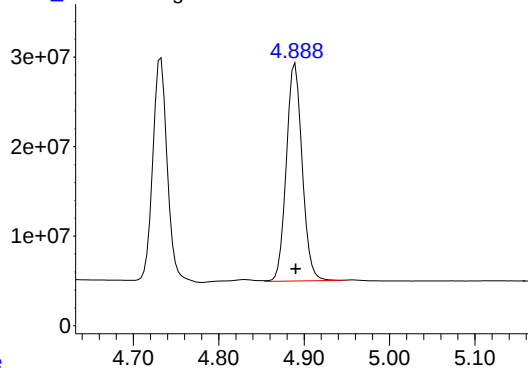
R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 450141815  
Conc: 49.00 ng/ml

Time

Response\_

Signal: PL097541.D\ECD1A.ch

#4 Heptachlor



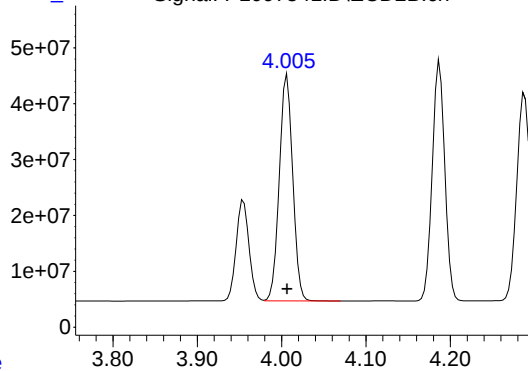
R.T.: 4.890 min  
Delta R.T.: 0.000 min  
Response: 313405395  
Conc: 48.58 ng/ml

Time

Response\_

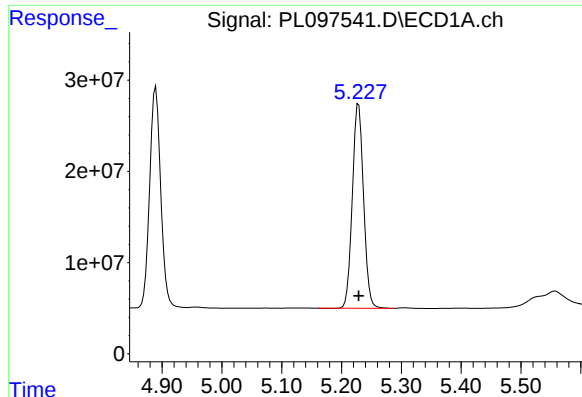
Signal: PL097541.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 447793721  
Conc: 48.71 ng/ml

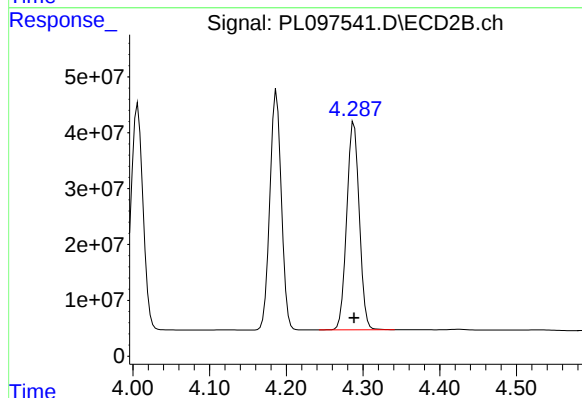
Time



#5 Aldrin

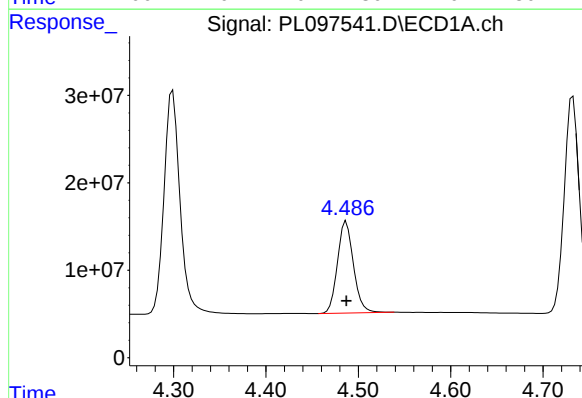
R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 291265201  
Conc: 48.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725



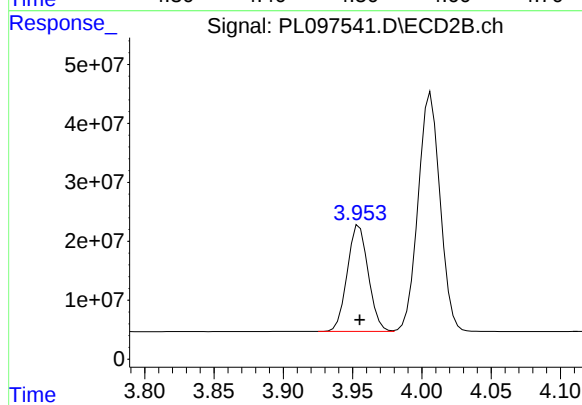
#5 Aldrin

R.T.: 4.288 min  
Delta R.T.: 0.000 min  
Response: 424404149  
Conc: 48.94 ng/ml



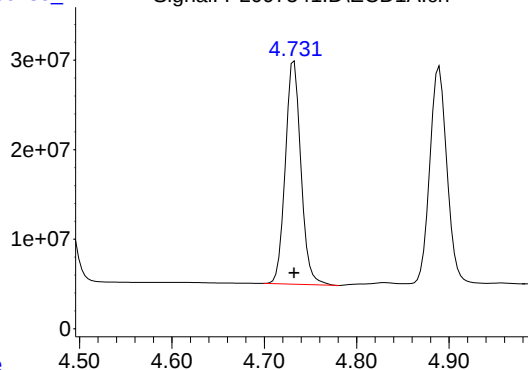
#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 126312544  
Conc: 48.85 ng/ml



#6 beta-BHC

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 190392056  
Conc: 47.86 ng/ml



R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 292659490  
Conc: 48.19 ng/ml

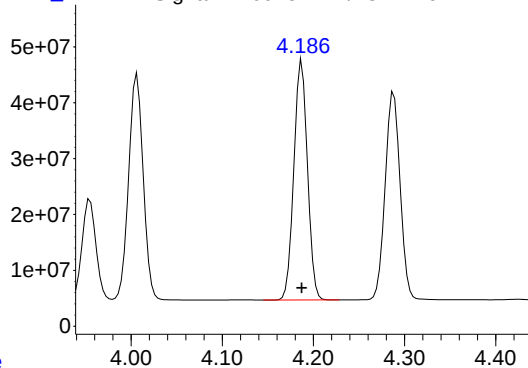
Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725

Time

Response\_

Signal: PL097541.D\ECD2B.ch

#7 delta-BHC



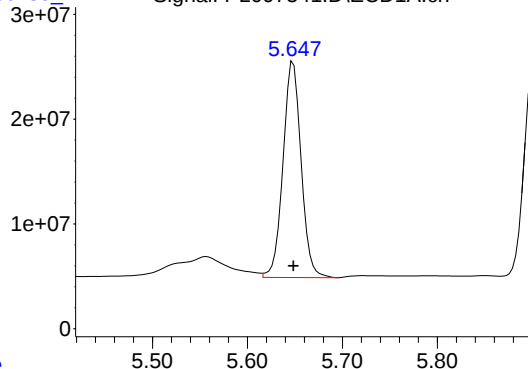
R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 444718183  
Conc: 49.23 ng/ml

Time

Response\_

Signal: PL097541.D\ECD1A.ch

#8 Heptachlor epoxide



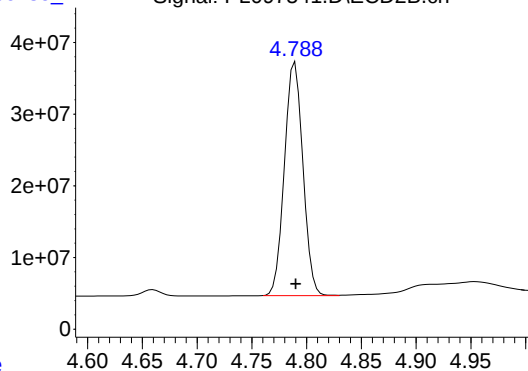
R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 273048910  
Conc: 46.90 ng/ml

Time

Response\_

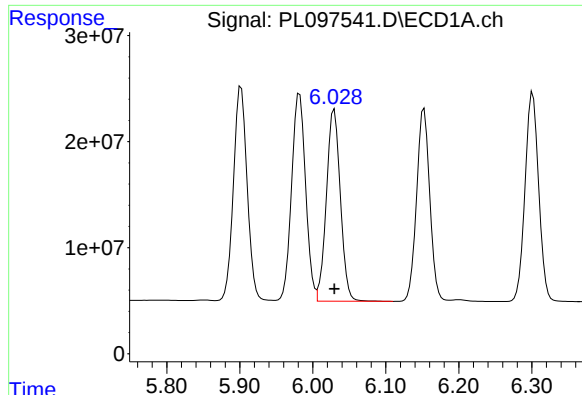
Signal: PL097541.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 382829880  
Conc: 48.47 ng/ml

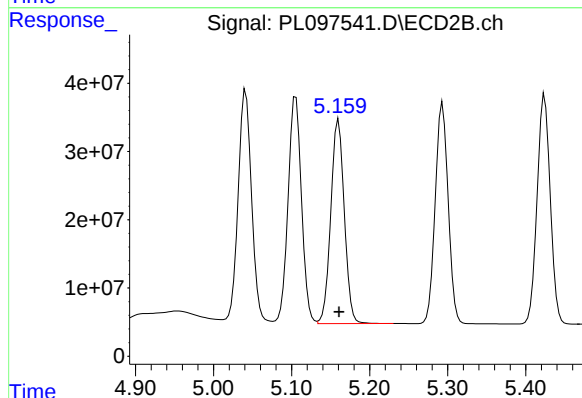
Time



#9 Endosulfan I

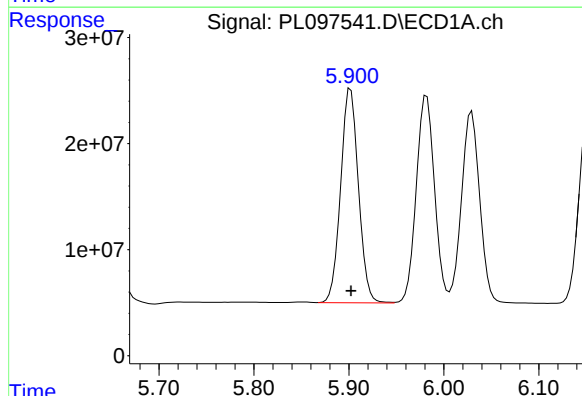
R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 240965227  
Conc: 48.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725



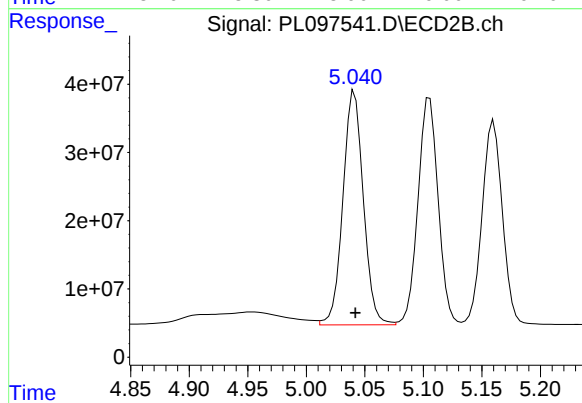
#9 Endosulfan I

R.T.: 5.160 min  
Delta R.T.: 0.000 min  
Response: 360535630  
Conc: 48.89 ng/ml



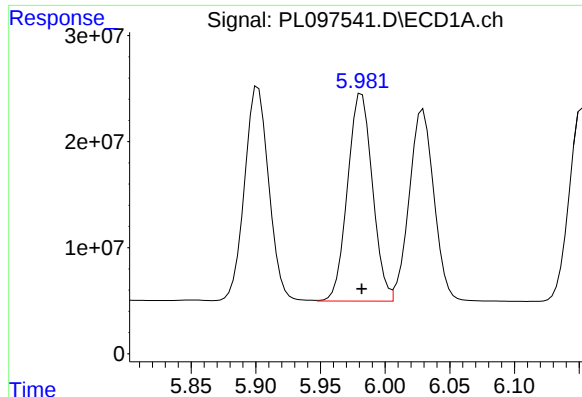
#10 gamma-Chlordane

R.T.: 5.902 min  
Delta R.T.: 0.000 min  
Response: 263356915  
Conc: 48.52 ng/ml



#10 gamma-Chlordane

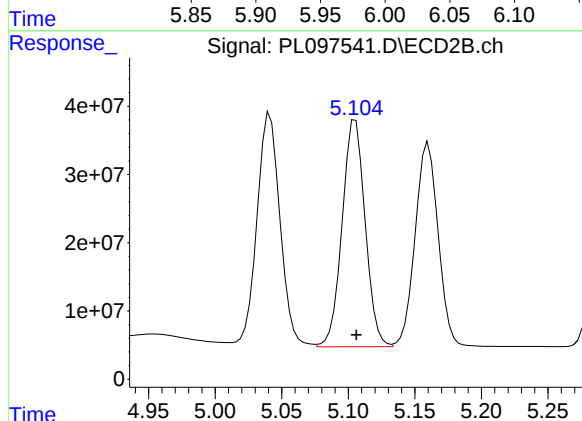
R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 416359312  
Conc: 47.89 ng/ml



#11 alpha-Chlordane

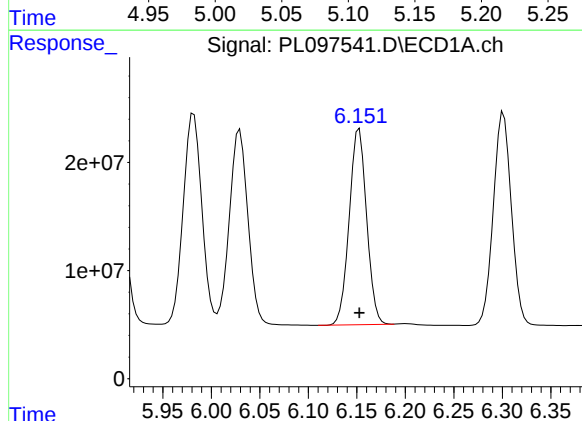
R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 261789451  
Conc: 48.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725



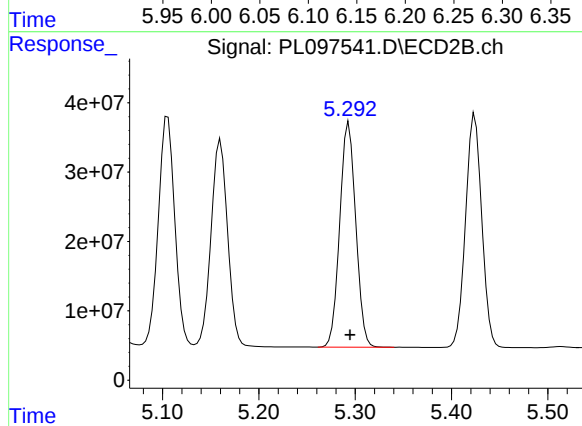
#11 alpha-Chlordane

R.T.: 5.105 min  
Delta R.T.: 0.000 min  
Response: 400410496  
Conc: 48.08 ng/ml



#12 4,4'-DDE

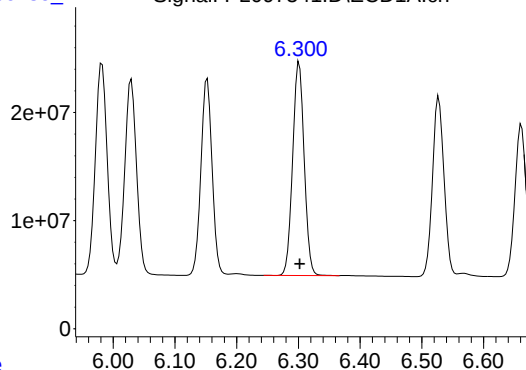
R.T.: 6.152 min  
Delta R.T.: 0.000 min  
Response: 226154265  
Conc: 48.56 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min  
Delta R.T.: -0.001 min  
Response: 373981080  
Conc: 49.26 ng/ml

Response\_ Signal: PL097541.D\ECD1A.ch

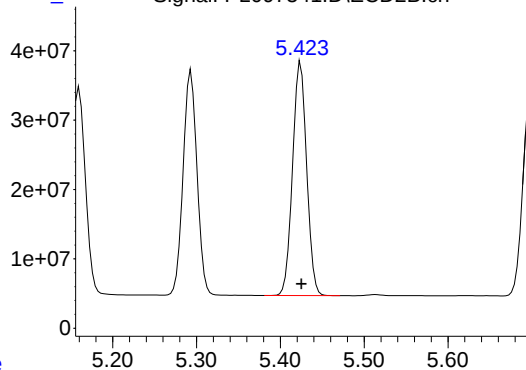


#13 Dieldrin

R.T.: 6.301 min  
Delta R.T.: 0.000 min  
Response: 256347423  
Conc: 48.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725

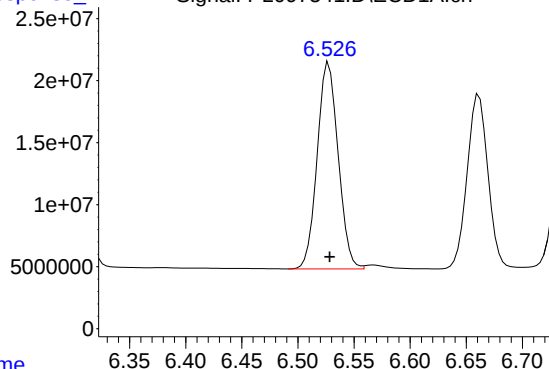
Time Response\_ Signal: PL097541.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.424 min  
Delta R.T.: 0.000 min  
Response: 394690004  
Conc: 47.74 ng/ml

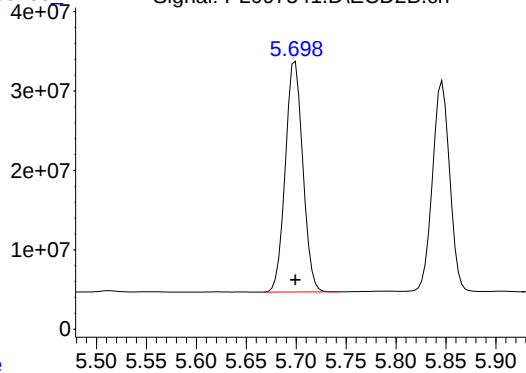
Time Response\_ Signal: PL097541.D\ECD1A.ch



#14 Endrin

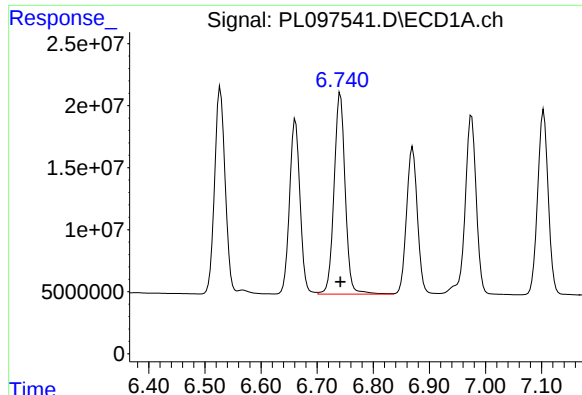
R.T.: 6.528 min  
Delta R.T.: 0.000 min  
Response: 216519829  
Conc: 48.39 ng/ml

Time Response\_ Signal: PL097541.D\ECD2B.ch



#14 Endrin

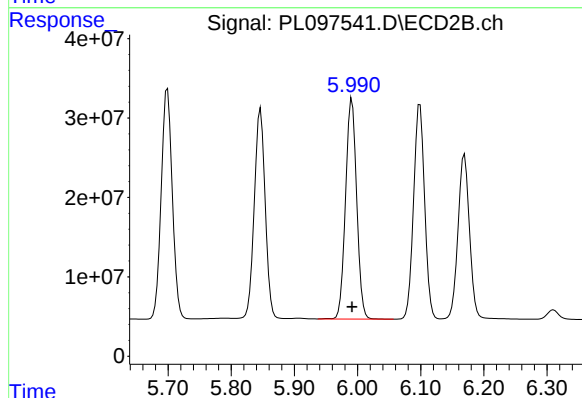
R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 354033463  
Conc: 47.83 ng/ml



#15 Endosulfan II

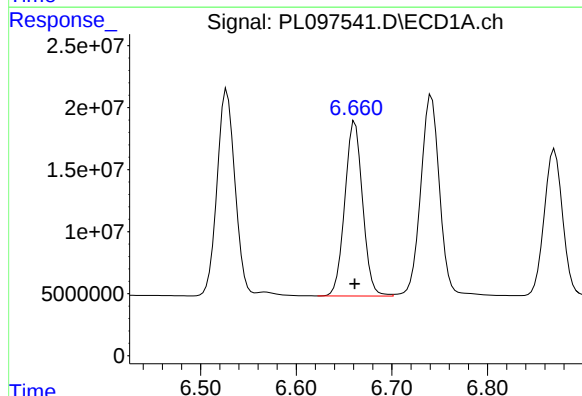
R.T.: 6.741 min  
Delta R.T.: 0.000 min  
Response: 224365413  
Conc: 45.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725



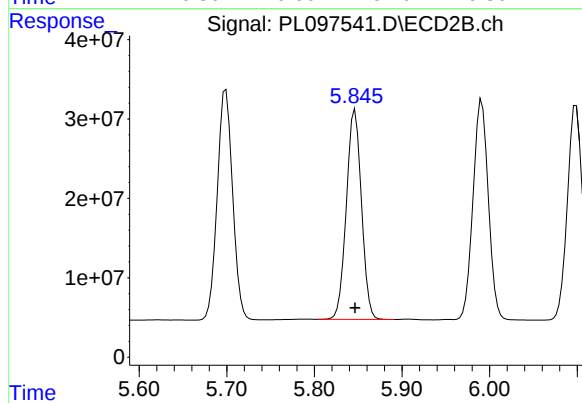
#15 Endosulfan II

R.T.: 5.991 min  
Delta R.T.: 0.000 min  
Response: 338985521  
Conc: 49.09 ng/ml



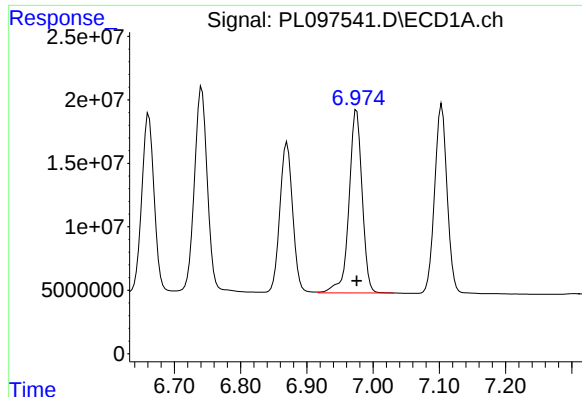
#16 4,4'-DDD

R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 182920575  
Conc: 48.48 ng/ml



#16 4,4'-DDD

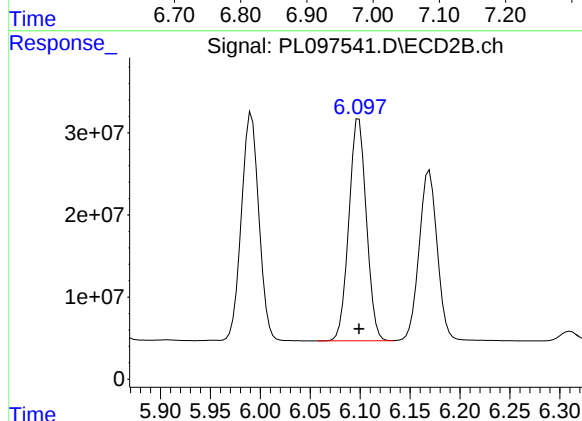
R.T.: 5.846 min  
Delta R.T.: 0.000 min  
Response: 317106324  
Conc: 49.71 ng/ml



#17 4,4'-DDT

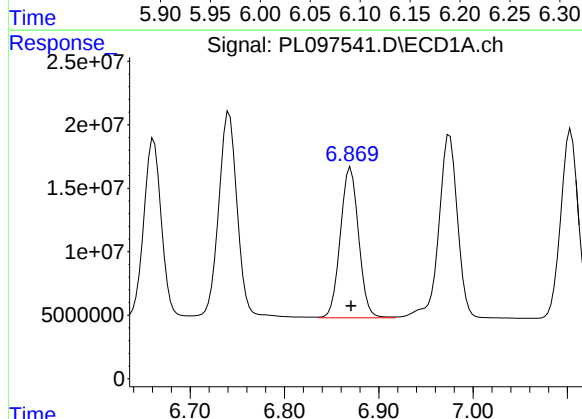
R.T.: 6.975 min  
Delta R.T.: 0.000 min  
Response: 198654134  
Conc: 48.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725



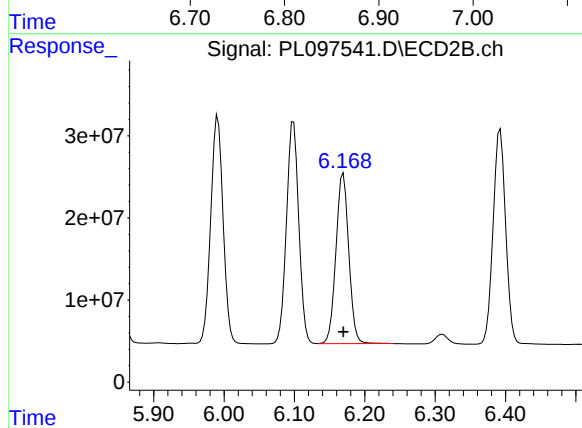
#17 4,4'-DDT

R.T.: 6.099 min  
Delta R.T.: 0.000 min  
Response: 329830202  
Conc: 49.50 ng/ml



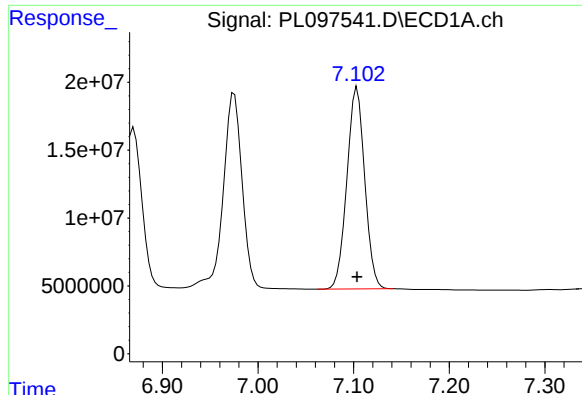
#18 Endrin aldehyde

R.T.: 6.870 min  
Delta R.T.: 0.000 min  
Response: 159636547  
Conc: 48.72 ng/ml



#18 Endrin aldehyde

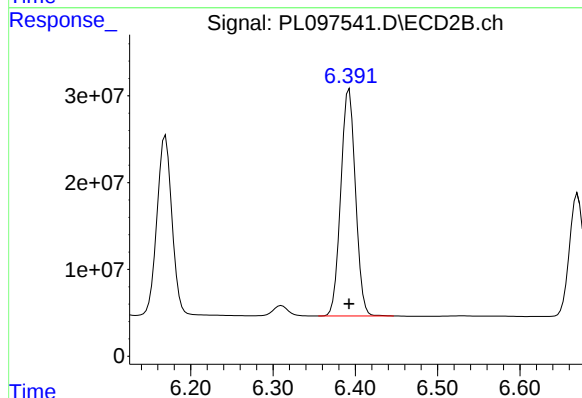
R.T.: 6.169 min  
Delta R.T.: 0.000 min  
Response: 262683506  
Conc: 45.62 ng/ml



## #19 Endosulfan Sulfate

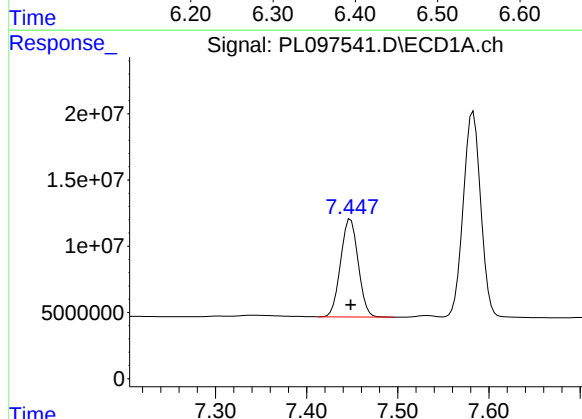
R.T.: 7.104 min  
Delta R.T.: 0.000 min  
Response: 192965349  
Conc: 48.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725



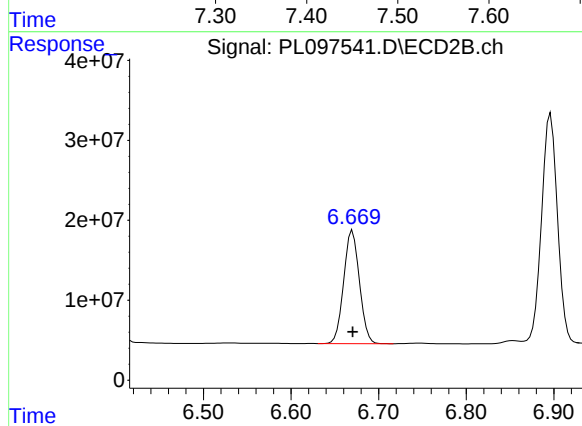
## #19 Endosulfan Sulfate

R.T.: 6.393 min  
Delta R.T.: 0.000 min  
Response: 324704517  
Conc: 48.77 ng/ml



## #20 Methoxychlor

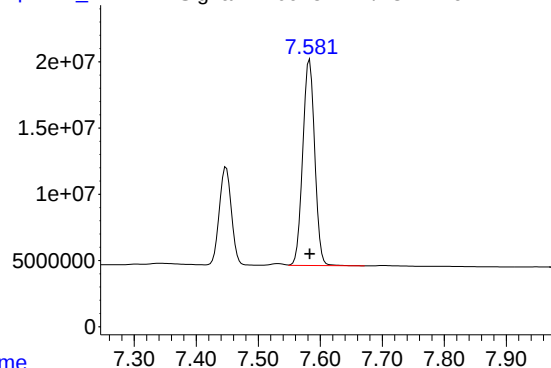
R.T.: 7.448 min  
Delta R.T.: 0.000 min  
Response: 98984099  
Conc: 47.38 ng/ml



## #20 Methoxychlor

R.T.: 6.670 min  
Delta R.T.: 0.000 min  
Response: 176797136  
Conc: 48.50 ng/ml

Response\_ Signal: PL097541.D\ECD1A.ch

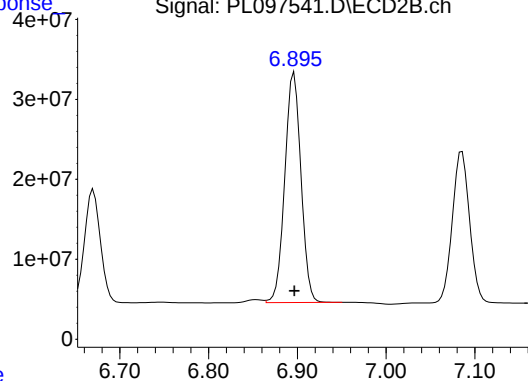


#21 Endrin ketone

R.T.: 7.583 min  
Delta R.T.: 0.000 min  
Response: 208730161  
Conc: 48.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725

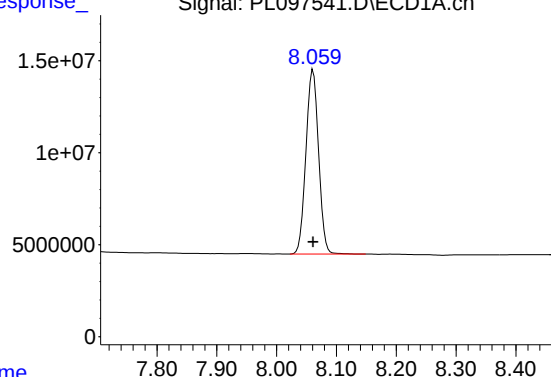
Time Response\_ Signal: PL097541.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.896 min  
Delta R.T.: 0.000 min  
Response: 364248294  
Conc: 46.11 ng/ml

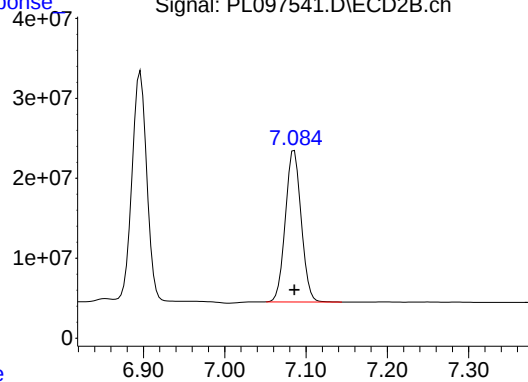
Time Response\_ Signal: PL097541.D\ECD1A.ch



#22 Mirex

R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 147362852  
Conc: 47.42 ng/ml

Time Response\_ Signal: PL097541.D\ECD2B.ch



#22 Mirex

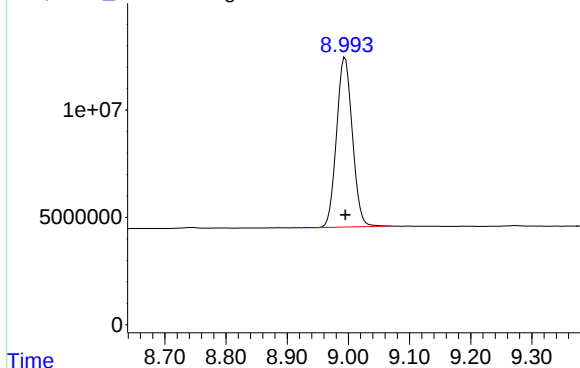
R.T.: 7.086 min  
Delta R.T.: 0.000 min  
Response: 256240187  
Conc: 47.90 ng/ml

Response\_

Signal: PL097541.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 142061071  
Conc: 47.77 ng/ml

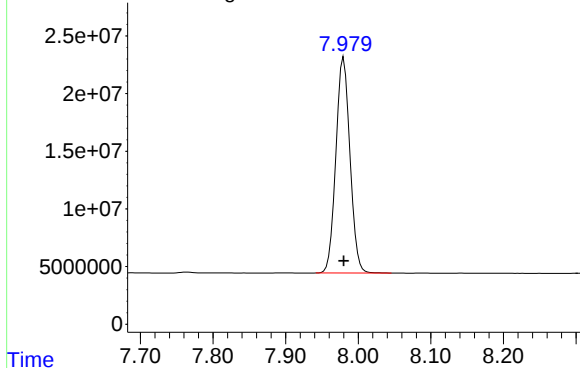
Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL100725

Time

Response\_

Signal: PL097541.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 252110570  
Conc: 48.58 ng/ml



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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 13:05

Initial Calibration Time(s): 10:33

11:55

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.00       | 9.00      | 8.90      | 9.10 | 0.00       |
| Tetrachloro-m-xylene | 3.52       | 3.53      | 3.43      | 3.63 | 0.01       |
| alpha-BHC            | 3.97       | 3.97      | 3.87      | 4.07 | 0.00       |
| beta-BHC             | 4.49       | 4.49      | 4.39      | 4.59 | 0.00       |
| delta-BHC            | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| gamma-BHC (Lindane)  | 4.30       | 4.30      | 4.20      | 4.40 | 0.00       |
| Heptachlor           | 4.89       | 4.89      | 4.79      | 4.99 | 0.00       |
| Aldrin               | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Heptachlor epoxide   | 5.65       | 5.65      | 5.55      | 5.75 | 0.00       |
| Endosulfan I         | 6.03       | 6.03      | 5.93      | 6.13 | 0.00       |
| Dieldrin             | 6.30       | 6.30      | 6.20      | 6.40 | 0.00       |
| 4,4'-DDE             | 6.15       | 6.15      | 6.05      | 6.25 | 0.00       |
| Endrin               | 6.53       | 6.53      | 6.43      | 6.63 | 0.00       |
| Endosulfan II        | 6.74       | 6.74      | 6.64      | 6.84 | 0.00       |
| 4,4'-DDD             | 6.66       | 6.66      | 6.56      | 6.76 | 0.00       |
| Endosulfan sulfate   | 7.11       | 7.10      | 7.00      | 7.20 | -0.01      |
| 4,4'-DDT             | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Methoxychlor         | 7.45       | 7.45      | 7.35      | 7.55 | 0.00       |
| Endrin ketone        | 7.58       | 7.58      | 7.48      | 7.68 | 0.00       |
| Endrin aldehyde      | 6.87       | 6.87      | 6.77      | 6.97 | 0.00       |
| alpha-Chlordane      | 5.98       | 5.98      | 5.88      | 6.08 | 0.00       |
| gamma-Chlordane      | 5.90       | 5.90      | 5.80      | 6.00 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 13:05

Initial Calibration Time(s): 10:33

11:55

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.98       | 7.98      | 7.88      | 8.08 | 0.00       |
| Tetrachloro-m-xylene | 2.82       | 2.82      | 2.72      | 2.92 | 0.00       |
| alpha-BHC            | 3.32       | 3.33      | 3.23      | 3.43 | 0.01       |
| beta-BHC             | 3.95       | 3.96      | 3.86      | 4.06 | 0.01       |
| delta-BHC            | 4.18       | 4.19      | 4.09      | 4.29 | 0.01       |
| gamma-BHC (Lindane)  | 3.66       | 3.66      | 3.56      | 3.76 | 0.01       |
| Heptachlor           | 4.00       | 4.01      | 3.91      | 4.11 | 0.01       |
| Aldrin               | 4.28       | 4.29      | 4.19      | 4.39 | 0.01       |
| Heptachlor epoxide   | 4.79       | 4.79      | 4.69      | 4.89 | 0.00       |
| Endosulfan I         | 5.16       | 5.16      | 5.06      | 5.26 | 0.00       |
| Dieldrin             | 5.42       | 5.43      | 5.33      | 5.53 | 0.01       |
| 4,4'-DDE             | 5.29       | 5.30      | 5.20      | 5.40 | 0.01       |
| Endrin               | 5.70       | 5.70      | 5.60      | 5.80 | 0.00       |
| Endosulfan II        | 5.99       | 5.99      | 5.89      | 6.09 | 0.00       |
| 4,4'-DDD             | 5.84       | 5.85      | 5.75      | 5.95 | 0.01       |
| Endosulfan sulfate   | 6.39       | 6.39      | 6.29      | 6.49 | 0.00       |
| 4,4'-DDT             | 6.10       | 6.10      | 6.00      | 6.20 | 0.00       |
| Methoxychlor         | 6.67       | 6.67      | 6.57      | 6.77 | 0.00       |
| Endrin ketone        | 6.90       | 6.90      | 6.80      | 7.00 | 0.01       |
| Endrin aldehyde      | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| alpha-Chlordane      | 5.10       | 5.11      | 5.01      | 5.21 | 0.01       |
| gamma-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** ROYF02  
**Lab Code:** ACE **SDG NO.:** Q3321  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/10/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PL097598.D **Time Analyzed:** 13:05

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.661 | 6.561     | 6.761 | 58.690             | 50.000            | 17.4 |
| 4,4'-DDE             | 6.153 | 6.053     | 6.253 | 59.650             | 50.000            | 19.3 |
| 4,4'-DDT             | 6.977 | 6.875     | 7.075 | 51.870             | 50.000            | 3.7  |
| Aldrin               | 5.229 | 5.129     | 5.329 | 56.650             | 50.000            | 13.3 |
| alpha-BHC            | 3.970 | 3.872     | 4.072 | 57.770             | 50.000            | 15.5 |
| alpha-Chlordane      | 5.981 | 5.882     | 6.082 | 56.890             | 50.000            | 13.8 |
| beta-BHC             | 4.486 | 4.387     | 4.587 | 57.420             | 50.000            | 14.8 |
| Decachlorobiphenyl   | 8.997 | 8.895     | 9.095 | 54.910             | 50.000            | 9.8  |
| delta-BHC            | 4.732 | 4.632     | 4.832 | 56.840             | 50.000            | 13.7 |
| Dieldrin             | 6.302 | 6.202     | 6.402 | 57.010             | 50.000            | 14.0 |
| Endosulfan I         | 6.028 | 5.930     | 6.130 | 55.680             | 50.000            | 11.4 |
| Endosulfan II        | 6.743 | 6.641     | 6.841 | 54.610             | 50.000            | 9.2  |
| Endosulfan sulfate   | 7.105 | 7.004     | 7.204 | 54.600             | 50.000            | 9.2  |
| Endrin               | 6.528 | 6.428     | 6.628 | 54.040             | 50.000            | 8.1  |
| Endrin aldehyde      | 6.870 | 6.771     | 6.971 | 55.110             | 50.000            | 10.2 |
| Endrin ketone        | 7.584 | 7.483     | 7.683 | 55.310             | 50.000            | 10.6 |
| gamma-BHC (Lindane)  | 4.298 | 4.200     | 4.400 | 57.600             | 50.000            | 15.2 |
| gamma-Chlordane      | 5.901 | 5.802     | 6.002 | 57.300             | 50.000            | 14.6 |
| Heptachlor           | 4.889 | 4.790     | 4.990 | 54.790             | 50.000            | 9.6  |
| Heptachlor epoxide   | 5.649 | 5.548     | 5.748 | 56.480             | 50.000            | 13.0 |
| Methoxychlor         | 7.450 | 7.348     | 7.548 | 47.920             | 50.000            | -4.2 |
| Tetrachloro-m-xylene | 3.524 | 3.425     | 3.625 | 57.280             | 50.000            | 14.6 |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** ROYF02  
**Lab Code:** ACE **SDG NO.:** Q3321  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/10/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PL097598.D **Time Analyzed:** 13:05

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.844 | 5.746     | 5.946 | 53.910             | 50.000            | 7.8   |
| 4,4'-DDE             | 5.291 | 5.195     | 5.395 | 50.870             | 50.000            | 1.7   |
| 4,4'-DDT             | 6.096 | 5.999     | 6.199 | 46.510             | 50.000            | -7.0  |
| Aldrin               | 4.284 | 4.188     | 4.388 | 51.220             | 50.000            | 2.4   |
| alpha-BHC            | 3.323 | 3.228     | 3.428 | 52.600             | 50.000            | 5.2   |
| alpha-Chlordane      | 5.102 | 5.006     | 5.206 | 49.920             | 50.000            | -0.2  |
| beta-BHC             | 3.951 | 3.855     | 4.055 | 49.480             | 50.000            | -1.0  |
| Decachlorobiphenyl   | 7.979 | 7.880     | 8.080 | 45.860             | 50.000            | -8.3  |
| delta-BHC            | 4.183 | 4.087     | 4.287 | 51.850             | 50.000            | 3.7   |
| Dieldrin             | 5.422 | 5.325     | 5.525 | 51.740             | 50.000            | 3.5   |
| Endosulfan I         | 5.157 | 5.061     | 5.261 | 48.740             | 50.000            | -2.5  |
| Endosulfan II        | 5.989 | 5.891     | 6.091 | 50.890             | 50.000            | 1.8   |
| Endosulfan sulfate   | 6.390 | 6.293     | 6.493 | 49.570             | 50.000            | -0.9  |
| Endrin               | 5.697 | 5.599     | 5.799 | 51.080             | 50.000            | 2.2   |
| Endrin aldehyde      | 6.167 | 6.069     | 6.269 | 45.200             | 50.000            | -9.6  |
| Endrin ketone        | 6.895 | 6.797     | 6.997 | 50.890             | 50.000            | 1.8   |
| gamma-BHC (Lindane)  | 3.655 | 3.559     | 3.759 | 52.160             | 50.000            | 4.3   |
| gamma-Chlordane      | 5.038 | 4.942     | 5.142 | 48.790             | 50.000            | -2.4  |
| Heptachlor           | 4.002 | 3.907     | 4.107 | 49.490             | 50.000            | -1.0  |
| Heptachlor epoxide   | 4.786 | 4.690     | 4.890 | 50.060             | 50.000            | 0.1   |
| Methoxychlor         | 6.669 | 6.571     | 6.771 | 44.110             | 50.000            | -11.8 |
| Tetrachloro-m-xylene | 2.818 | 2.723     | 2.923 | 51.780             | 50.000            | 3.6   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
 Data File : PL097598.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2025 13:05  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDCCC050

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 07:18:01 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|---------|---------|--------|
| -----                       |                 |       |       |         |         |         |        |
| System Monitoring Compounds |                 |       |       |         |         |         |        |
| 1)                          | SA Tetrachlo... | 3.524 | 2.818 | 233.5E6 | 315.2E6 | 57.282  | 51.780 |
| 28)                         | SA Decachlor... | 8.997 | 7.979 | 163.3E6 | 238.0E6 | 54.905  | 45.860 |
| Target Compounds            |                 |       |       |         |         |         |        |
| 2)                          | A alpha-BHC     | 3.970 | 3.323 | 389.7E6 | 519.1E6 | 57.772  | 52.605 |
| 3)                          | MA gamma-BHC... | 4.298 | 3.655 | 366.1E6 | 479.2E6 | 57.596  | 52.162 |
| 4)                          | MA Heptachlor   | 4.889 | 4.002 | 353.4E6 | 454.9E6 | 54.787  | 49.491 |
| 5)                          | MB Aldrin       | 5.229 | 4.284 | 340.6E6 | 444.2E6 | 56.647  | 51.218 |
| 6)                          | B beta-BHC      | 4.486 | 3.951 | 148.5E6 | 196.8E6 | 57.417  | 49.482 |
| 7)                          | B delta-BHC     | 4.732 | 4.183 | 345.2E6 | 468.4E6 | 56.844  | 51.853 |
| 8)                          | B Heptachlo...  | 5.649 | 4.786 | 328.8E6 | 395.3E6 | 56.481  | 50.056 |
| 9)                          | A Endosulfan I  | 6.028 | 5.157 | 276.8E6 | 359.4E6 | 55.680m | 48.736 |
| 10)                         | B gamma-Chl...  | 5.901 | 5.038 | 311.0E6 | 424.2E6 | 57.298m | 48.794 |
| 11)                         | B alpha-Chl...  | 5.981 | 5.102 | 308.7E6 | 415.7E6 | 56.885m | 49.920 |
| 12)                         | B 4,4'-DDE      | 6.153 | 5.291 | 277.8E6 | 386.3E6 | 59.650  | 50.875 |
| 13)                         | MA Dieldrin     | 6.302 | 5.422 | 299.9E6 | 427.8E6 | 57.010  | 51.741 |
| 14)                         | MA Endrin       | 6.528 | 5.697 | 241.8E6 | 378.1E6 | 54.038  | 51.078 |
| 15)                         | B Endosulfa...  | 6.743 | 5.989 | 267.2E6 | 351.4E6 | 54.614  | 50.890 |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.844 | 221.5E6 | 343.9E6 | 58.692m | 53.909 |
| 17)                         | MA 4,4'-DDT     | 6.977 | 6.096 | 210.3E6 | 309.9E6 | 51.867  | 46.509 |
| 18)                         | B Endrin al...  | 6.870 | 6.167 | 180.6E6 | 260.3E6 | 55.113m | 45.205 |
| 19)                         | B Endosulfa...  | 7.105 | 6.390 | 218.9E6 | 330.0E6 | 54.596  | 49.573 |
| 20)                         | A Methoxychlor  | 7.450 | 6.669 | 100.1E6 | 160.8E6 | 47.924  | 44.113 |
| 21)                         | B Endrin ke...  | 7.584 | 6.895 | 236.8E6 | 402.0E6 | 55.311  | 50.886 |
| 22)                         | Mirex           | 8.062 | 7.084 | 159.4E6 | 251.8E6 | 51.303  | 47.066 |
| -----                       |                 |       |       |         |         |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097598.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 13:05  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

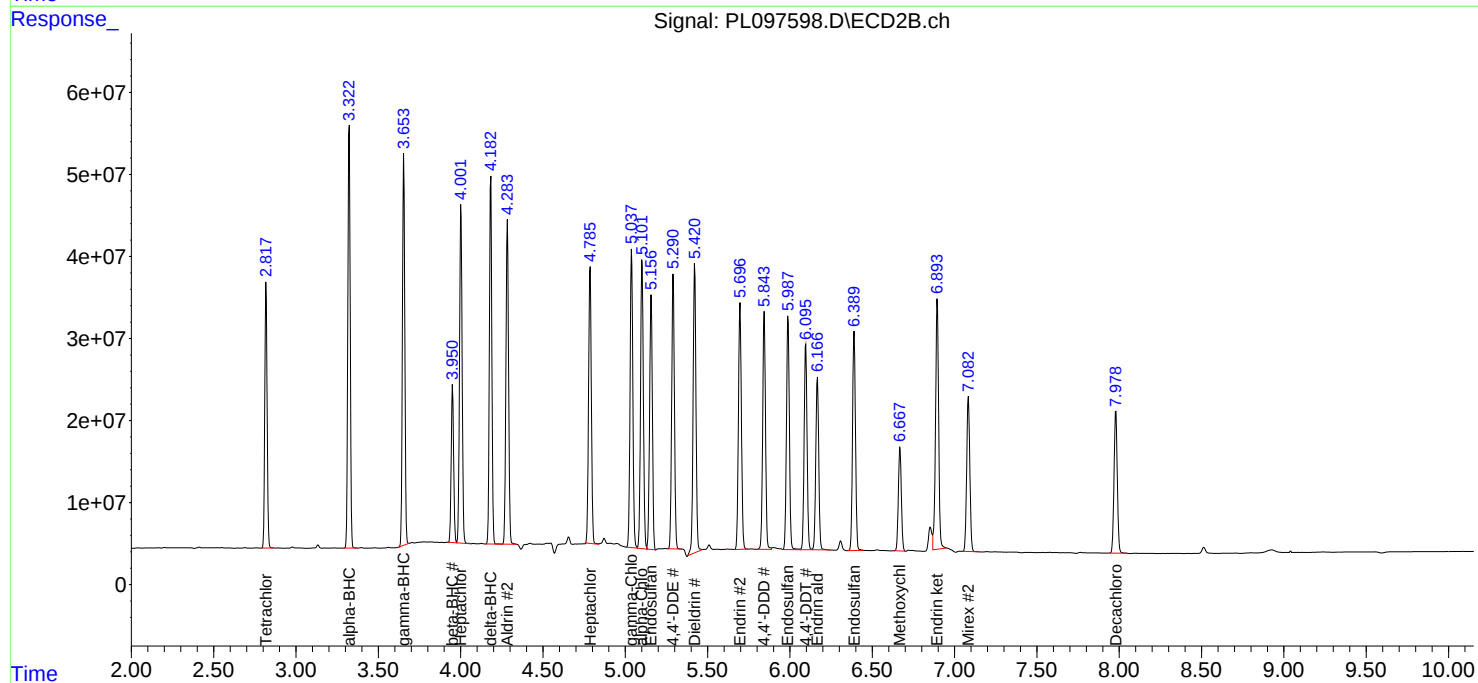
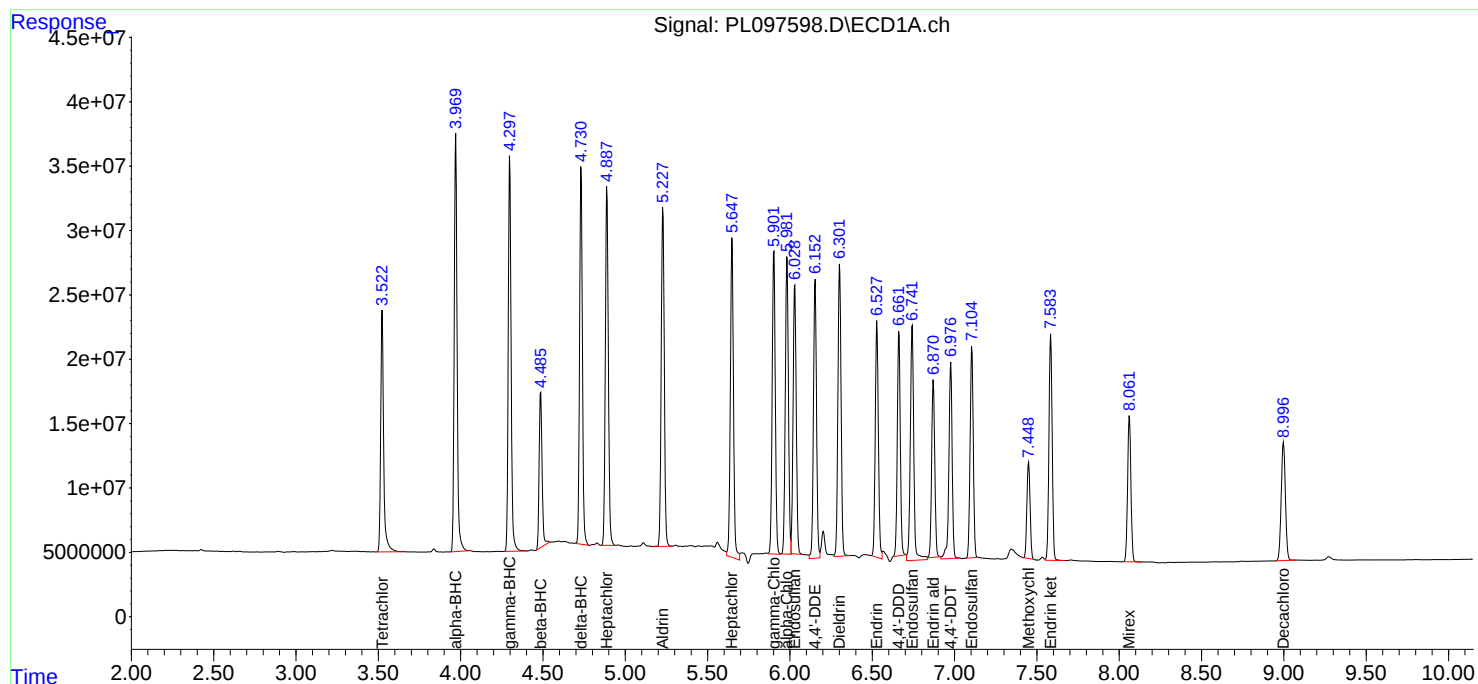
## APPROVED

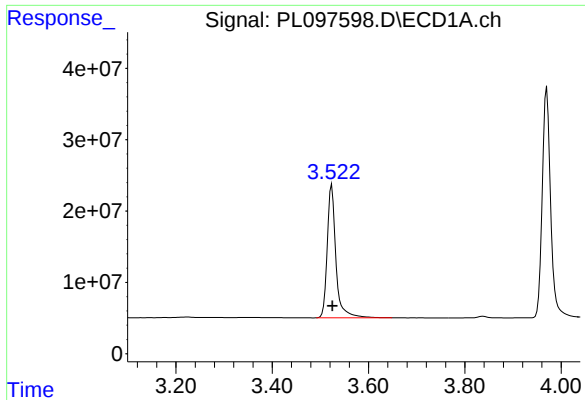
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:18:01 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





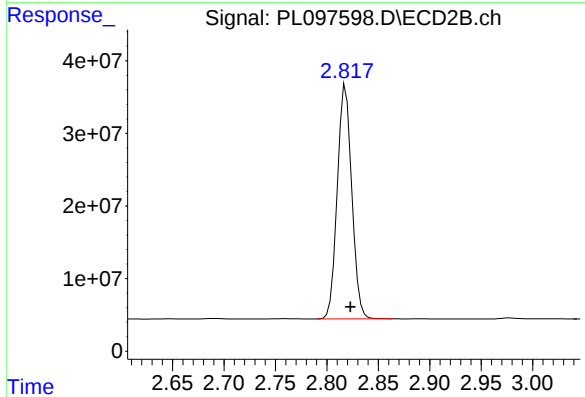
## #1 Tetrachloro-m-xylene

R.T.: 3.524 min  
Delta R.T.: -0.001 min  
Response: 233522611  
Conc: 57.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

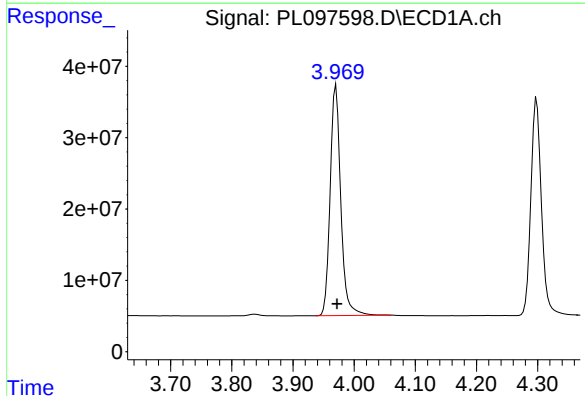
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



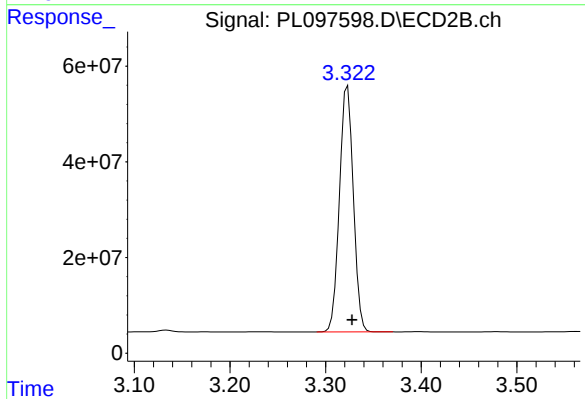
## #1 Tetrachloro-m-xylene

R.T.: 2.818 min  
Delta R.T.: -0.005 min  
Response: 315156549  
Conc: 51.78 ng/ml



## #2 alpha-BHC

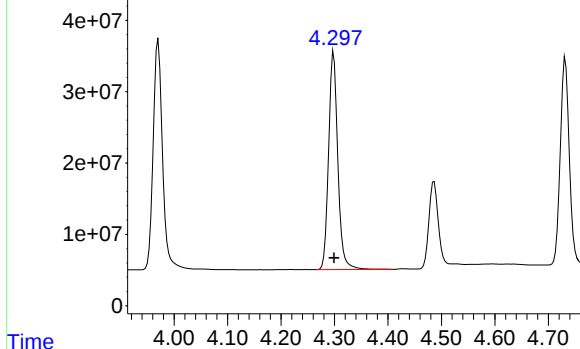
R.T.: 3.970 min  
Delta R.T.: -0.002 min  
Response: 389714505  
Conc: 57.77 ng/ml



## #2 alpha-BHC

R.T.: 3.323 min  
Delta R.T.: -0.005 min  
Response: 519050869  
Conc: 52.60 ng/ml

Response\_ Signal: PL097598.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.298 min  
Delta R.T.: -0.001 min  
Response: 366098360  
Conc: 57.60 ng/ml

Instrument :

ECD\_L

ClientSampleId :

PSTDCCC050

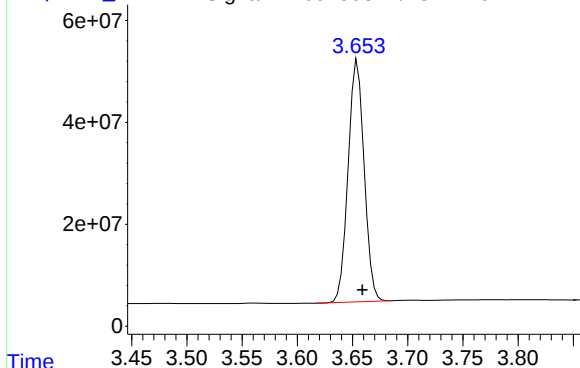
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

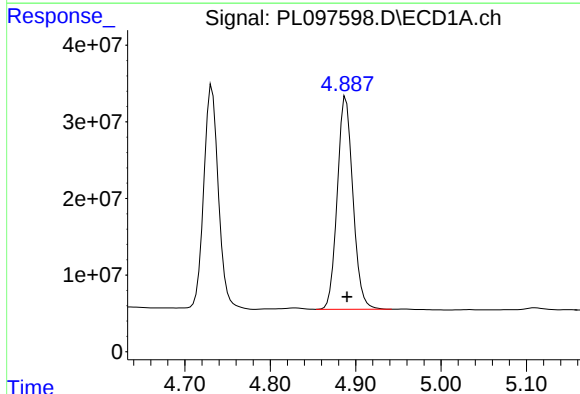
Response\_ Signal: PL097598.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.655 min  
Delta R.T.: -0.005 min  
Response: 479222313  
Conc: 52.16 ng/ml

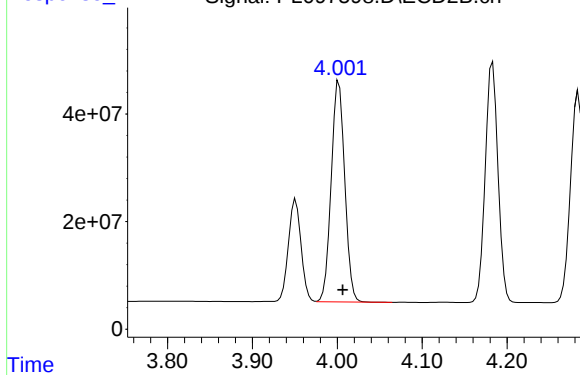
Response\_ Signal: PL097598.D\ECD1A.ch



#4 Heptachlor

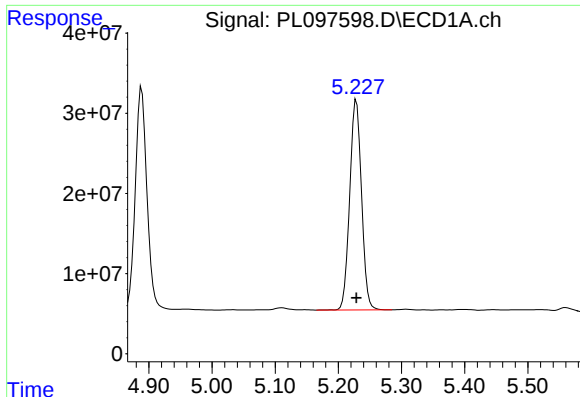
R.T.: 4.889 min  
Delta R.T.: -0.001 min  
Response: 353416265  
Conc: 54.79 ng/ml

Response\_ Signal: PL097598.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.002 min  
Delta R.T.: -0.004 min  
Response: 454930913  
Conc: 49.49 ng/ml



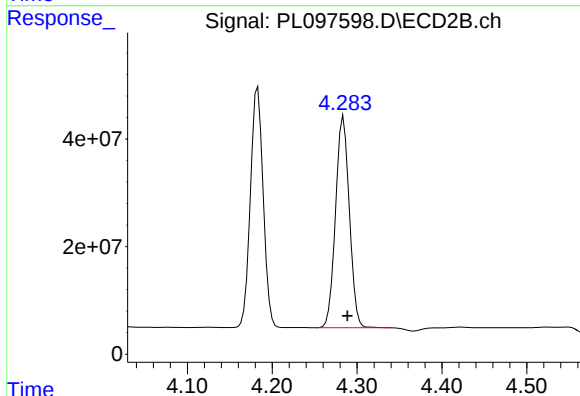
#5 Aldrin

R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 340600258  
Conc: 56.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

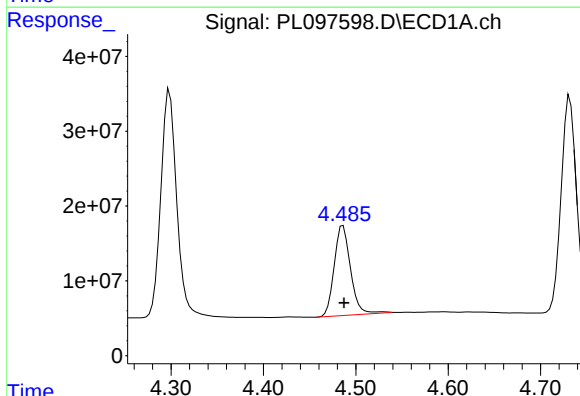
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



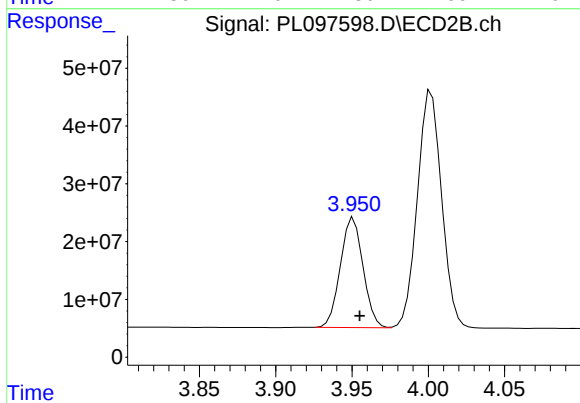
#5 Aldrin

R.T.: 4.284 min  
Delta R.T.: -0.004 min  
Response: 444151006  
Conc: 51.22 ng/ml



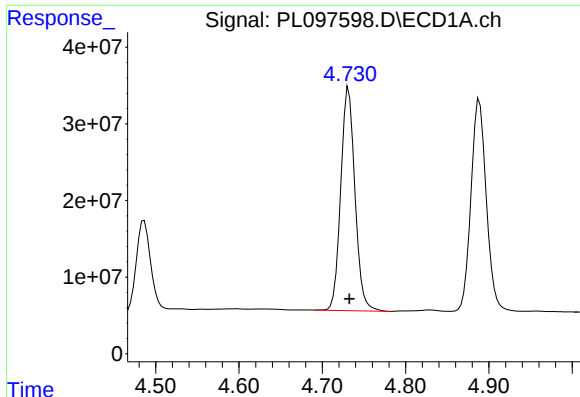
#6 beta-BHC

R.T.: 4.486 min  
Delta R.T.: -0.001 min  
Response: 148451333  
Conc: 57.42 ng/ml



#6 beta-BHC

R.T.: 3.951 min  
Delta R.T.: -0.004 min  
Response: 196845666  
Conc: 49.48 ng/ml



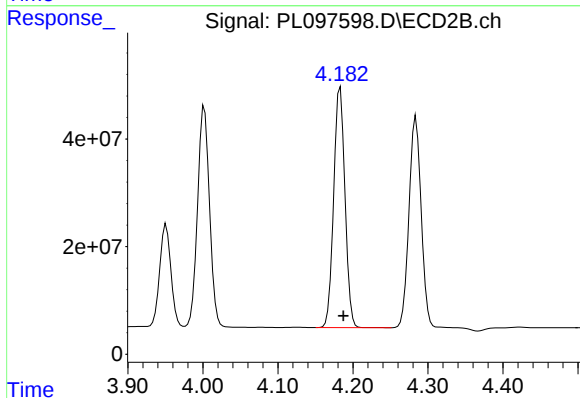
#7 delta-BHC

R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 345191737  
Conc: 56.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

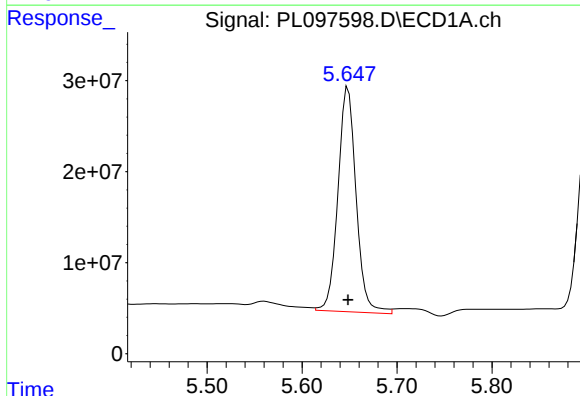
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



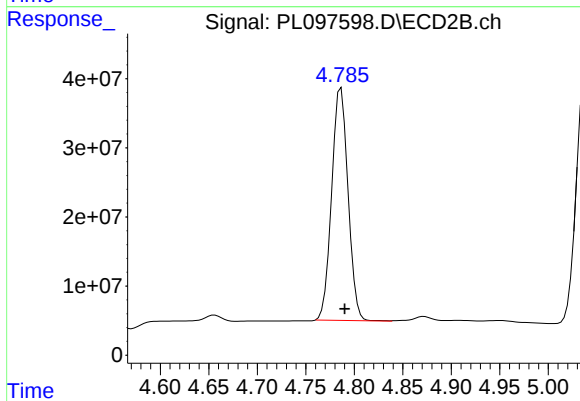
#7 delta-BHC

R.T.: 4.183 min  
Delta R.T.: -0.004 min  
Response: 468437540  
Conc: 51.85 ng/ml



#8 Heptachlor epoxide

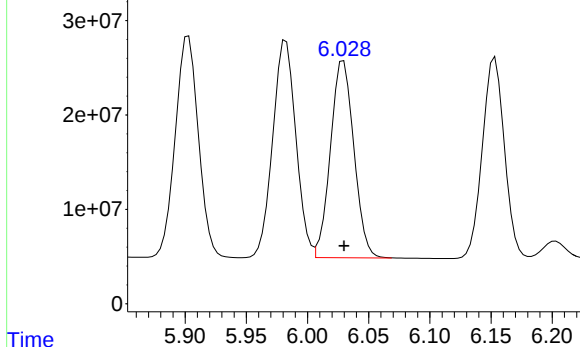
R.T.: 5.649 min  
Delta R.T.: 0.000 min  
Response: 328848412  
Conc: 56.48 ng/ml



#8 Heptachlor epoxide

R.T.: 4.786 min  
Delta R.T.: -0.004 min  
Response: 395342079  
Conc: 50.06 ng/ml

Response\_ Signal: PL097598.D\ECD1A.ch



#9 Endosulfan I

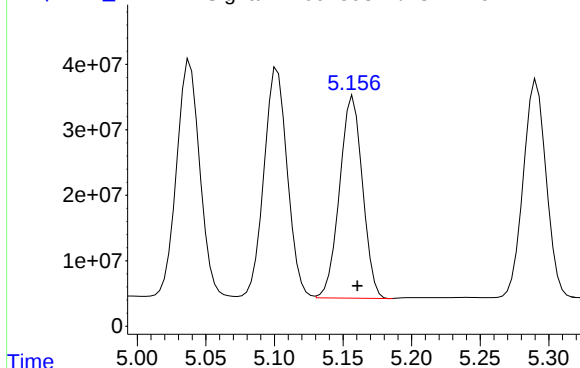
R.T.: 6.028 min  
Delta R.T.: -0.002 min  
Response: 276806947  
Conc: 55.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

**Manual Integrations  
APPROVED**

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Supervised By :mohammad ahmed 10/16/2025

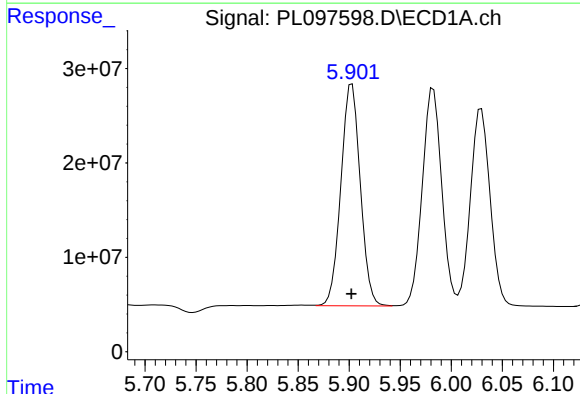
Response\_ Signal: PL097598.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.157 min  
Delta R.T.: -0.003 min  
Response: 359393160  
Conc: 48.74 ng/ml

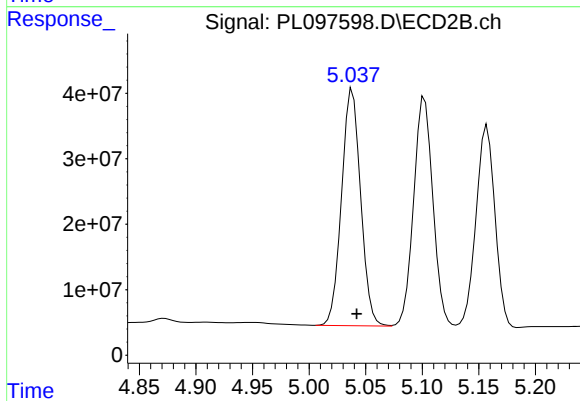
Response\_ Signal: PL097598.D\ECD1A.ch



#10 gamma-Chlordane

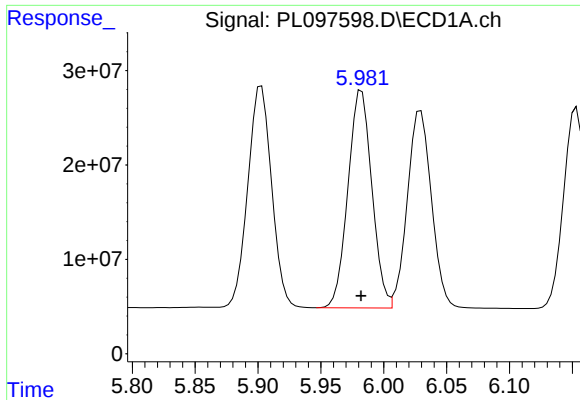
R.T.: 5.901 min  
Delta R.T.: 0.000 min  
Response: 310982922  
Conc: 57.30 ng/ml m

Response\_ Signal: PL097598.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.038 min  
Delta R.T.: -0.004 min  
Response: 424172824  
Conc: 48.79 ng/ml



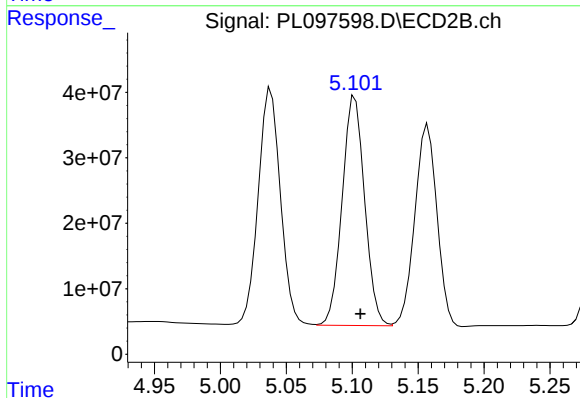
#11 alpha-Chlordane

R.T.: 5.981 min  
Delta R.T.: 0.000 min  
Response: 308686575  
Conc: 56.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

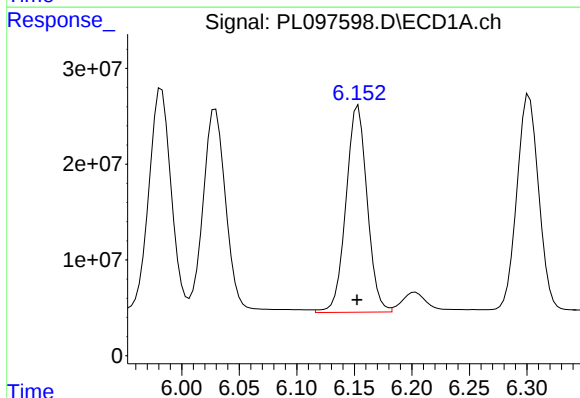
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 10/16/2025



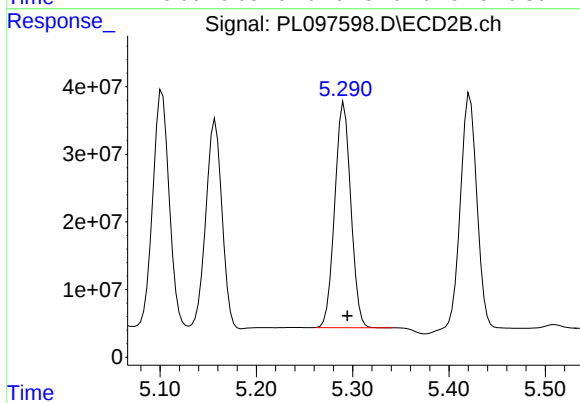
#11 alpha-Chlordane

R.T.: 5.102 min  
Delta R.T.: -0.004 min  
Response: 415694074  
Conc: 49.92 ng/ml



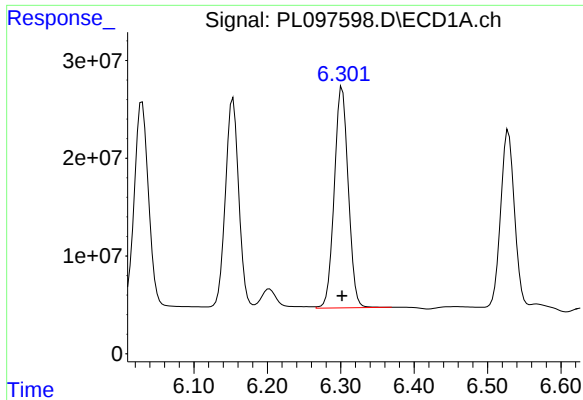
#12 4,4'-DDE

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 277799677  
Conc: 59.65 ng/ml



#12 4,4'-DDE

R.T.: 5.291 min  
Delta R.T.: -0.003 min  
Response: 386264097  
Conc: 50.87 ng/ml



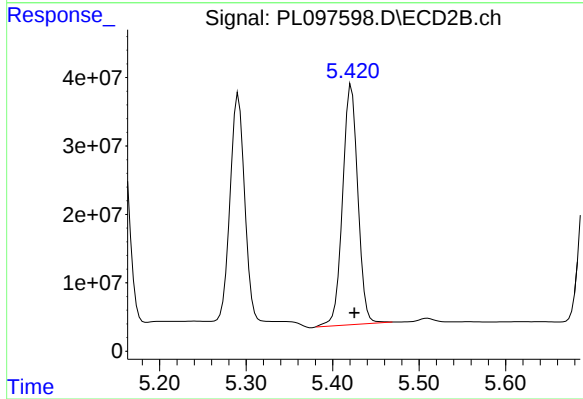
#13 Dieldrin

R.T.: 6.302 min  
Delta R.T.: 0.000 min  
Response: 299901392  
Conc: 57.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

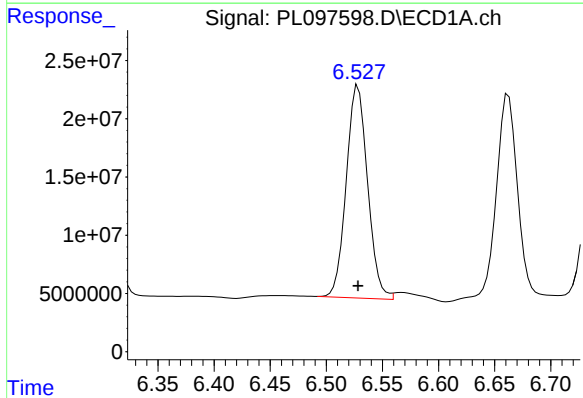
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



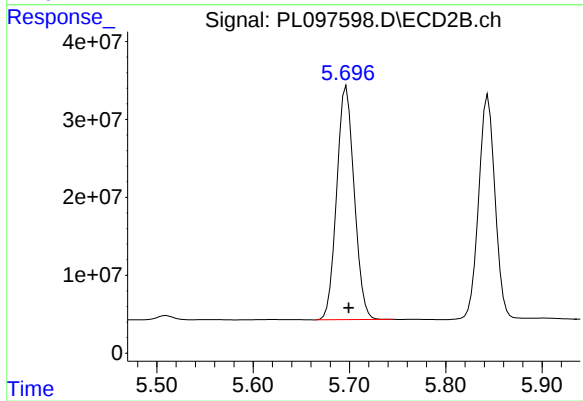
#13 Dieldrin

R.T.: 5.422 min  
Delta R.T.: -0.003 min  
Response: 427812650  
Conc: 51.74 ng/ml



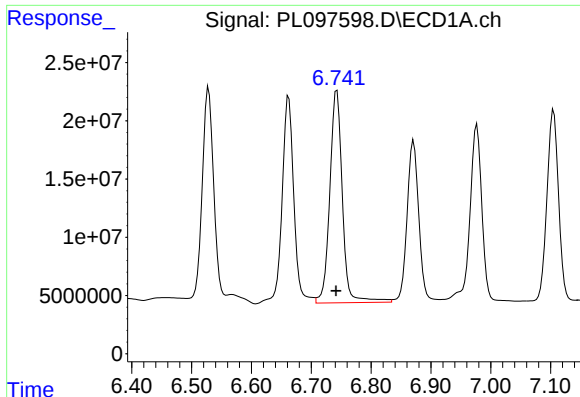
#14 Endrin

R.T.: 6.528 min  
Delta R.T.: 0.000 min  
Response: 241782731  
Conc: 54.04 ng/ml



#14 Endrin

R.T.: 5.697 min  
Delta R.T.: -0.002 min  
Response: 378052447  
Conc: 51.08 ng/ml



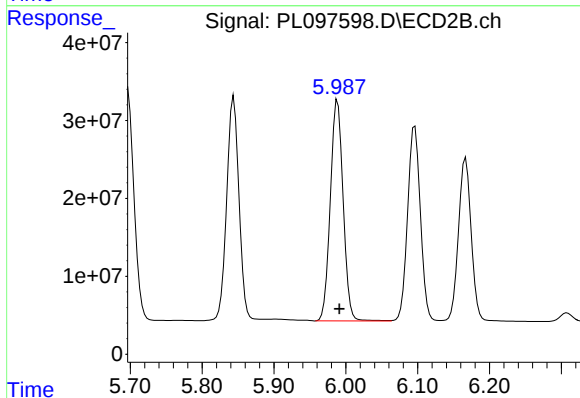
## #15 Endosulfan II

R.T.: 6.743 min  
Delta R.T.: 0.001 min  
Response: 267178474  
Conc: 54.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

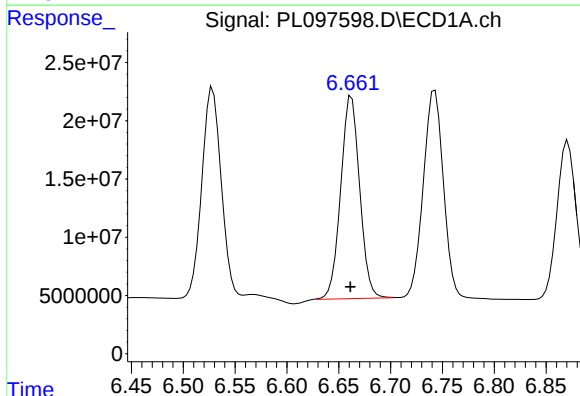
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



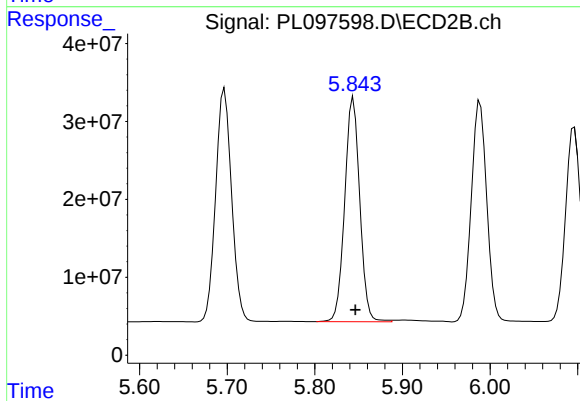
## #15 Endosulfan II

R.T.: 5.989 min  
Delta R.T.: -0.003 min  
Response: 351392688  
Conc: 50.89 ng/ml



## #16 4,4'-DDD

R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 221474451  
Conc: 58.69 ng/ml m

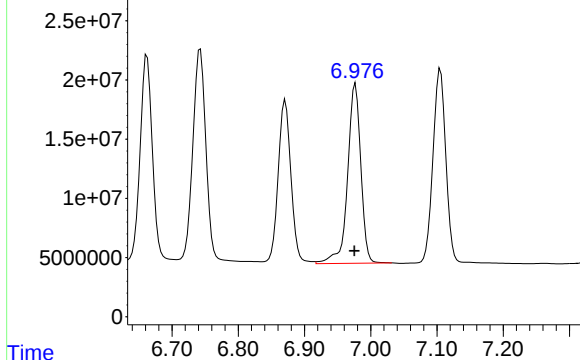


## #16 4,4'-DDD

R.T.: 5.844 min  
Delta R.T.: -0.002 min  
Response: 343879833  
Conc: 53.91 ng/ml

Response\_ Signal: PL097598.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 6.977 min  
Delta R.T.: 0.002 min  
Response: 210304197  
Conc: 51.87 ng/ml

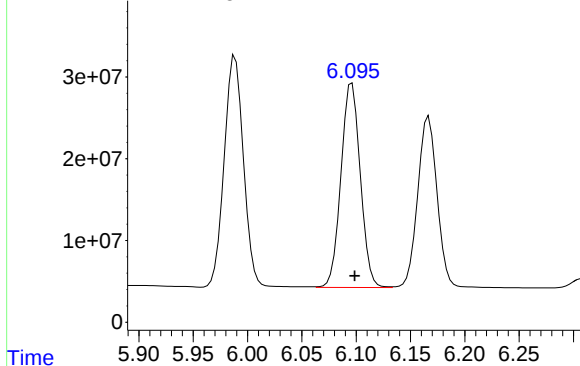
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

Time Response\_ Signal: PL097598.D\ECD2B.ch

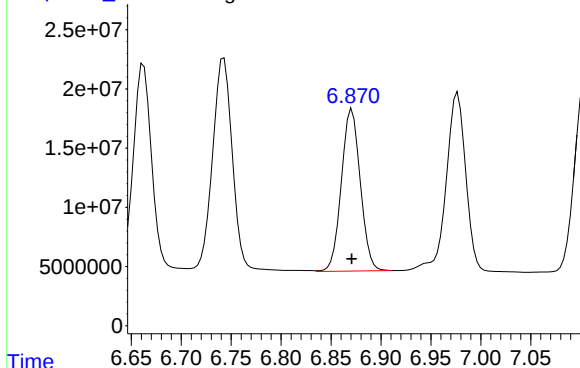
#17 4,4'-DDT



R.T.: 6.096 min  
Delta R.T.: -0.003 min  
Response: 309907821  
Conc: 46.51 ng/ml

Time Response\_ Signal: PL097598.D\ECD1A.ch

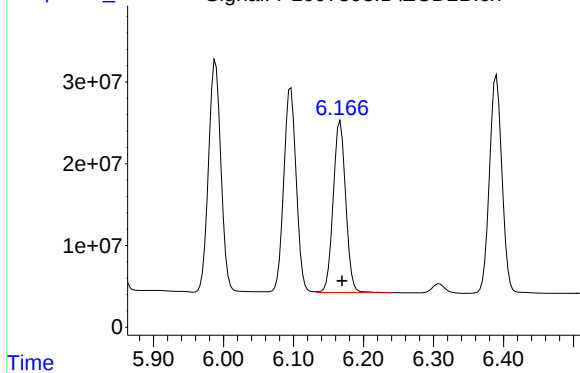
#18 Endrin aldehyde



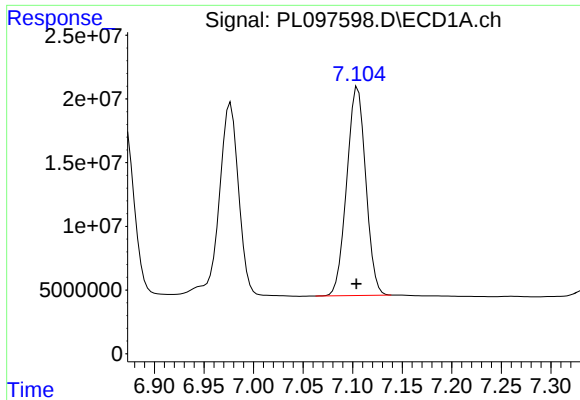
R.T.: 6.870 min  
Delta R.T.: -0.001 min  
Response: 180589301  
Conc: 55.11 ng/ml m

Time Response\_ Signal: PL097598.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.167 min  
Delta R.T.: -0.003 min  
Response: 260310244  
Conc: 45.20 ng/ml



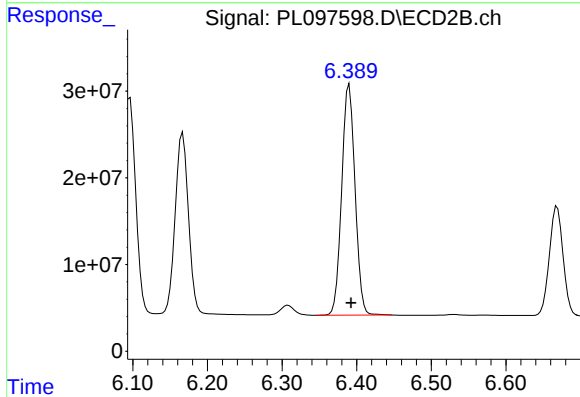
## #19 Endosulfan Sulfate

R.T.: 7.105 min  
Delta R.T.: 0.001 min  
Response: 218923022  
Conc: 54.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

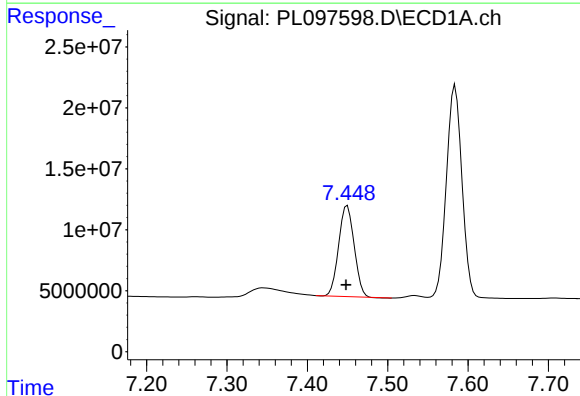
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



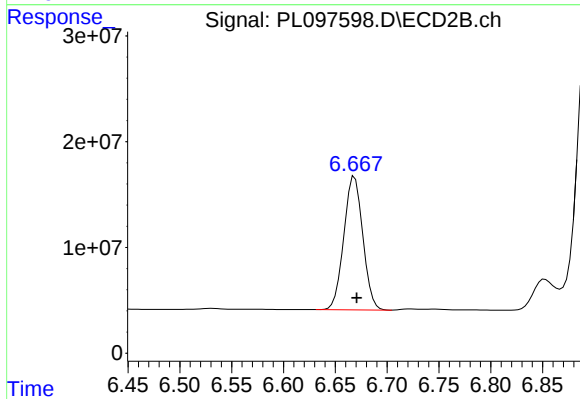
## #19 Endosulfan Sulfate

R.T.: 6.390 min  
Delta R.T.: -0.003 min  
Response: 330046731  
Conc: 49.57 ng/ml



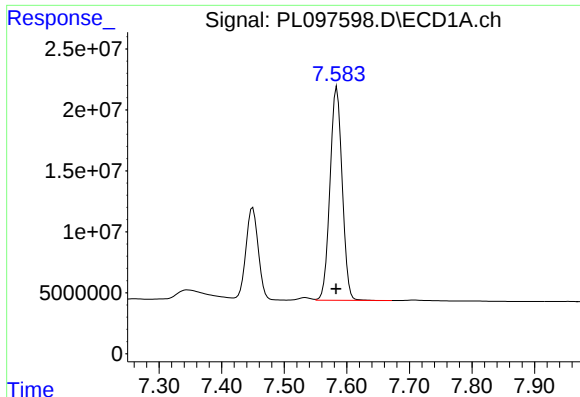
## #20 Methoxychlor

R.T.: 7.450 min  
Delta R.T.: 0.002 min  
Response: 100112440  
Conc: 47.92 ng/ml



## #20 Methoxychlor

R.T.: 6.669 min  
Delta R.T.: -0.002 min  
Response: 160800961  
Conc: 44.11 ng/ml



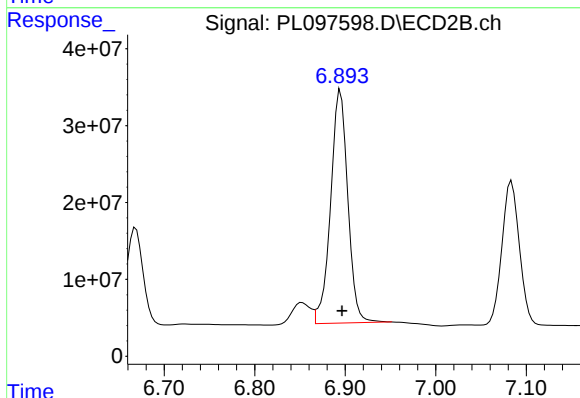
#21 Endrin ketone

R.T.: 7.584 min  
Delta R.T.: 0.000 min  
Response: 236828040  
Conc: 55.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

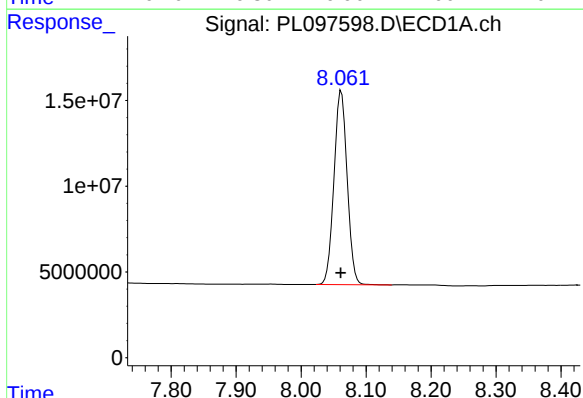
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



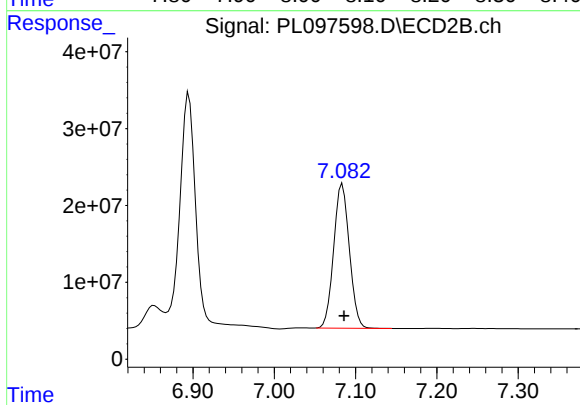
#21 Endrin ketone

R.T.: 6.895 min  
Delta R.T.: -0.002 min  
Response: 401995276  
Conc: 50.89 ng/ml



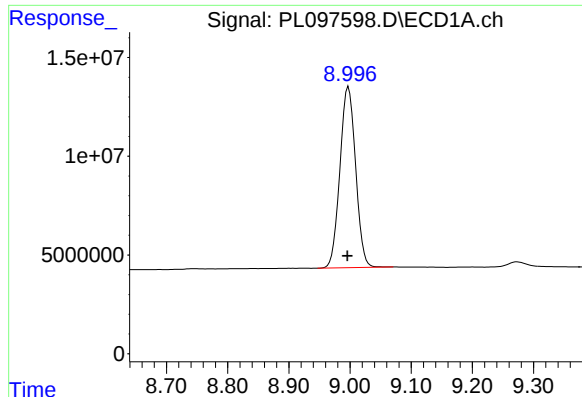
#22 Mirex

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 159422093  
Conc: 51.30 ng/ml



#22 Mirex

R.T.: 7.084 min  
Delta R.T.: -0.002 min  
Response: 251798302  
Conc: 47.07 ng/ml



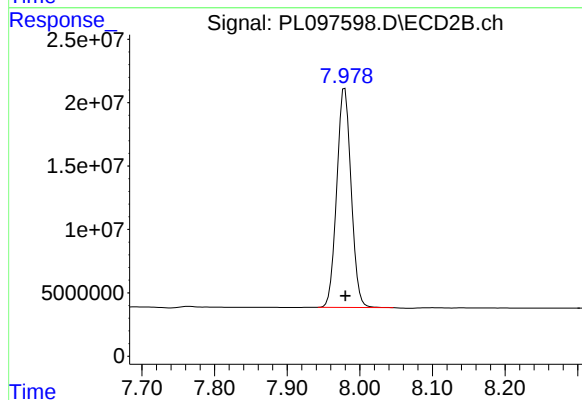
#28 Decachlorobiphenyl

R.T.: 8.997 min  
Delta R.T.: 0.002 min  
Response: 163268901  
Conc: 54.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.979 min  
Delta R.T.: 0.000 min  
Response: 237971377  
Conc: 45.86 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 17:20

Initial Calibration Time(s): 10:33

11:55

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.99       | 9.00      | 8.90      | 9.10 | 0.01       |
| Tetrachloro-m-xylene | 3.52       | 3.53      | 3.43      | 3.63 | 0.01       |
| alpha-BHC            | 3.97       | 3.97      | 3.87      | 4.07 | 0.00       |
| beta-BHC             | 4.49       | 4.49      | 4.39      | 4.59 | 0.00       |
| delta-BHC            | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| gamma-BHC (Lindane)  | 4.30       | 4.30      | 4.20      | 4.40 | 0.00       |
| Heptachlor           | 4.89       | 4.89      | 4.79      | 4.99 | 0.00       |
| Aldrin               | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Heptachlor epoxide   | 5.65       | 5.65      | 5.55      | 5.75 | 0.00       |
| Endosulfan I         | 6.03       | 6.03      | 5.93      | 6.13 | 0.00       |
| Dieldrin             | 6.30       | 6.30      | 6.20      | 6.40 | 0.00       |
| 4,4'-DDE             | 6.15       | 6.15      | 6.05      | 6.25 | 0.00       |
| Endrin               | 6.53       | 6.53      | 6.43      | 6.63 | 0.00       |
| Endosulfan II        | 6.74       | 6.74      | 6.64      | 6.84 | 0.00       |
| 4,4'-DDD             | 6.66       | 6.66      | 6.56      | 6.76 | 0.00       |
| Endosulfan sulfate   | 7.10       | 7.10      | 7.00      | 7.20 | 0.00       |
| 4,4'-DDT             | 6.97       | 6.98      | 6.88      | 7.08 | 0.01       |
| Methoxychlor         | 7.45       | 7.45      | 7.35      | 7.55 | 0.00       |
| Endrin ketone        | 7.58       | 7.58      | 7.48      | 7.68 | 0.00       |
| Endrin aldehyde      | 6.87       | 6.87      | 6.77      | 6.97 | 0.00       |
| alpha-Chlordane      | 5.98       | 5.98      | 5.88      | 6.08 | 0.00       |
| gamma-Chlordane      | 5.90       | 5.90      | 5.80      | 6.00 | 0.00       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 17:20

Initial Calibration Time(s): 10:33

11:55

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.98       | 7.98      | 7.88      | 8.08 | 0.00       |
| Tetrachloro-m-xylene | 2.82       | 2.82      | 2.72      | 2.92 | 0.00       |
| alpha-BHC            | 3.33       | 3.33      | 3.23      | 3.43 | 0.00       |
| beta-BHC             | 3.95       | 3.96      | 3.86      | 4.06 | 0.01       |
| delta-BHC            | 4.19       | 4.19      | 4.09      | 4.29 | 0.00       |
| gamma-BHC (Lindane)  | 3.66       | 3.66      | 3.56      | 3.76 | 0.00       |
| Heptachlor           | 4.01       | 4.01      | 3.91      | 4.11 | 0.00       |
| Aldrin               | 4.29       | 4.29      | 4.19      | 4.39 | 0.00       |
| Heptachlor epoxide   | 4.79       | 4.79      | 4.69      | 4.89 | 0.00       |
| Endosulfan I         | 5.16       | 5.16      | 5.06      | 5.26 | 0.00       |
| Dieldrin             | 5.42       | 5.43      | 5.33      | 5.53 | 0.01       |
| 4,4'-DDE             | 5.29       | 5.30      | 5.20      | 5.40 | 0.01       |
| Endrin               | 5.70       | 5.70      | 5.60      | 5.80 | 0.00       |
| Endosulfan II        | 5.99       | 5.99      | 5.89      | 6.09 | 0.00       |
| 4,4'-DDD             | 5.85       | 5.85      | 5.75      | 5.95 | 0.01       |
| Endosulfan sulfate   | 6.39       | 6.39      | 6.29      | 6.49 | 0.00       |
| 4,4'-DDT             | 6.10       | 6.10      | 6.00      | 6.20 | 0.00       |
| Methoxychlor         | 6.67       | 6.67      | 6.57      | 6.77 | 0.00       |
| Endrin ketone        | 6.90       | 6.90      | 6.80      | 7.00 | 0.01       |
| Endrin aldehyde      | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| alpha-Chlordane      | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| gamma-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** ROYF02  
**Lab Code:** ACE **SDG NO.:** Q3321  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/10/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PL097610.D **Time Analyzed:** 17:20

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.658 | 6.561     | 6.761 | 57.660             | 50.000            | 15.3 |
| 4,4'-DDE             | 6.152 | 6.053     | 6.253 | 55.800             | 50.000            | 11.6 |
| 4,4'-DDT             | 6.974 | 6.875     | 7.075 | 49.600             | 50.000            | -0.8 |
| Aldrin               | 5.227 | 5.129     | 5.329 | 55.100             | 50.000            | 10.2 |
| alpha-BHC            | 3.971 | 3.872     | 4.072 | 56.500             | 50.000            | 13.0 |
| alpha-Chlordane      | 5.981 | 5.882     | 6.082 | 55.870             | 50.000            | 11.7 |
| beta-BHC             | 4.486 | 4.387     | 4.587 | 57.220             | 50.000            | 14.4 |
| Decachlorobiphenyl   | 8.993 | 8.895     | 9.095 | 53.740             | 50.000            | 7.5  |
| delta-BHC            | 4.731 | 4.632     | 4.832 | 56.350             | 50.000            | 12.7 |
| Dieldrin             | 6.300 | 6.202     | 6.402 | 54.460             | 50.000            | 8.9  |
| Endosulfan I         | 6.028 | 5.930     | 6.130 | 55.290             | 50.000            | 10.6 |
| Endosulfan II        | 6.738 | 6.641     | 6.841 | 48.640             | 50.000            | -2.7 |
| Endosulfan sulfate   | 7.102 | 7.004     | 7.204 | 53.060             | 50.000            | 6.1  |
| Endrin               | 6.526 | 6.428     | 6.628 | 53.160             | 50.000            | 6.3  |
| Endrin aldehyde      | 6.869 | 6.771     | 6.971 | 56.440             | 50.000            | 12.9 |
| Endrin ketone        | 7.581 | 7.483     | 7.683 | 54.110             | 50.000            | 8.2  |
| gamma-BHC (Lindane)  | 4.298 | 4.200     | 4.400 | 56.350             | 50.000            | 12.7 |
| gamma-Chlordane      | 5.899 | 5.802     | 6.002 | 54.440             | 50.000            | 8.9  |
| Heptachlor           | 4.889 | 4.790     | 4.990 | 52.670             | 50.000            | 5.3  |
| Heptachlor epoxide   | 5.646 | 5.548     | 5.748 | 51.040             | 50.000            | 2.1  |
| Methoxychlor         | 7.447 | 7.348     | 7.548 | 46.340             | 50.000            | -7.3 |
| Tetrachloro-m-xylene | 3.524 | 3.425     | 3.625 | 56.490             | 50.000            | 13.0 |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** ROYF02  
**Lab Code:** ACE **SDG NO.:** Q3321  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/10/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PL097610.D **Time Analyzed:** 17:20

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.845 | 5.746     | 5.946 | 53.260             | 50.000            | 6.5   |
| 4,4'-DDE             | 5.293 | 5.195     | 5.395 | 50.590             | 50.000            | 1.2   |
| 4,4'-DDT             | 6.098 | 5.999     | 6.199 | 44.110             | 50.000            | -11.8 |
| Aldrin               | 4.287 | 4.188     | 4.388 | 52.020             | 50.000            | 4.0   |
| alpha-BHC            | 3.326 | 3.228     | 3.428 | 53.340             | 50.000            | 6.7   |
| alpha-Chlordane      | 5.105 | 5.006     | 5.206 | 50.610             | 50.000            | 1.2   |
| beta-BHC             | 3.954 | 3.855     | 4.055 | 50.650             | 50.000            | 1.3   |
| Decachlorobiphenyl   | 7.978 | 7.880     | 8.080 | 44.110             | 50.000            | -11.8 |
| delta-BHC            | 4.187 | 4.087     | 4.287 | 52.710             | 50.000            | 5.4   |
| Dieldrin             | 5.423 | 5.325     | 5.525 | 51.960             | 50.000            | 3.9   |
| Endosulfan I         | 5.159 | 5.061     | 5.261 | 49.010             | 50.000            | -2.0  |
| Endosulfan II        | 5.990 | 5.891     | 6.091 | 49.870             | 50.000            | -0.3  |
| Endosulfan sulfate   | 6.391 | 6.293     | 6.493 | 48.820             | 50.000            | -2.4  |
| Endrin               | 5.699 | 5.599     | 5.799 | 51.790             | 50.000            | 3.6   |
| Endrin aldehyde      | 6.168 | 6.069     | 6.269 | 44.840             | 50.000            | -10.3 |
| Endrin ketone        | 6.895 | 6.797     | 6.997 | 47.470             | 50.000            | -5.1  |
| gamma-BHC (Lindane)  | 3.658 | 3.559     | 3.759 | 52.610             | 50.000            | 5.2   |
| gamma-Chlordane      | 5.041 | 4.942     | 5.142 | 50.490             | 50.000            | 1.0   |
| Heptachlor           | 4.005 | 3.907     | 4.107 | 49.840             | 50.000            | -0.3  |
| Heptachlor epoxide   | 4.789 | 4.690     | 4.890 | 50.600             | 50.000            | 1.2   |
| Methoxychlor         | 6.669 | 6.571     | 6.771 | 42.860             | 50.000            | -14.3 |
| Tetrachloro-m-xylene | 2.822 | 2.723     | 2.923 | 52.170             | 50.000            | 4.3   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
 Data File : PL097610.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2025 17:20  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 10/13/2025  
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 07:21:00 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|---------|--------|
| -----                       |                 |       |       |          |         |         |        |
| System Monitoring Compounds |                 |       |       |          |         |         |        |
| 1)                          | SA Tetrachlo... | 3.524 | 2.822 | 230.3E6  | 317.6E6 | 56.492  | 52.174 |
| 28)                         | SA Decachlor... | 8.993 | 7.978 | 159.8E6  | 228.9E6 | 53.737  | 44.106 |
| Target Compounds            |                 |       |       |          |         |         |        |
| 2)                          | A alpha-BHC     | 3.971 | 3.326 | 381.1E6  | 526.3E6 | 56.500  | 53.340 |
| 3)                          | MA gamma-BHC... | 4.298 | 3.658 | 358.2E6  | 483.4E6 | 56.348  | 52.614 |
| 4)                          | MA Heptachlor   | 4.889 | 4.005 | 339.7E6  | 458.1E6 | 52.666  | 49.838 |
| 5)                          | MB Aldrin       | 5.227 | 4.287 | 331.3E6  | 451.1E6 | 55.100  | 52.018 |
| 6)                          | B beta-BHC      | 4.486 | 3.954 | 147.9E6  | 201.5E6 | 57.217  | 50.653 |
| 7)                          | B delta-BHC     | 4.731 | 4.187 | 342.2E6  | 476.2E6 | 56.354  | 52.713 |
| 8)                          | B Heptachlo...  | 5.646 | 4.789 | 297.2E6  | 399.7E6 | 51.041m | 50.603 |
| 9)                          | A Endosulfan I  | 6.028 | 5.159 | 274.9E6  | 361.5E6 | 55.294  | 49.015 |
| 10)                         | B gamma-Chl...  | 5.899 | 5.041 | 295.4E6  | 438.9E6 | 54.435m | 50.493 |
| 11)                         | B alpha-Chl...  | 5.981 | 5.105 | 303.2E6  | 421.4E6 | 55.870  | 50.606 |
| 12)                         | B 4,4'-DDE      | 6.152 | 5.293 | 259.9E6  | 384.1E6 | 55.797  | 50.593 |
| 13)                         | MA Dieldrin     | 6.300 | 5.423 | 286.5E6  | 429.6E6 | 54.456  | 51.962 |
| 14)                         | MA Endrin       | 6.526 | 5.699 | 237.9E6  | 383.3E6 | 53.164  | 51.792 |
| 15)                         | B Endosulfa...  | 6.738 | 5.990 | 237.9E6  | 344.3E6 | 48.638m | 49.866 |
| 16)                         | A 4,4'-DDD      | 6.658 | 5.845 | 217.6E6  | 339.7E6 | 57.661m | 53.255 |
| 17)                         | MA 4,4'-DDT     | 6.974 | 6.098 | 201.1E6  | 293.9E6 | 49.600  | 44.105 |
| 18)                         | B Endrin al...  | 6.869 | 6.168 | 184.9E6  | 258.2E6 | 56.439  | 44.843 |
| 19)                         | B Endosulfa...  | 7.102 | 6.391 | 212.8E6  | 325.0E6 | 53.065  | 48.821 |
| 20)                         | A Methoxychlor  | 7.447 | 6.669 | 96811752 | 156.2E6 | 46.344  | 42.864 |
| 21)                         | B Endrin ke...  | 7.581 | 6.895 | 231.7E6  | 375.0E6 | 54.113  | 47.468 |
| 22)                         | Mirex           | 8.059 | 7.084 | 151.6E6  | 243.5E6 | 48.786  | 45.508 |
| -----                       |                 |       |       |          |         |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097610.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 17:20  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

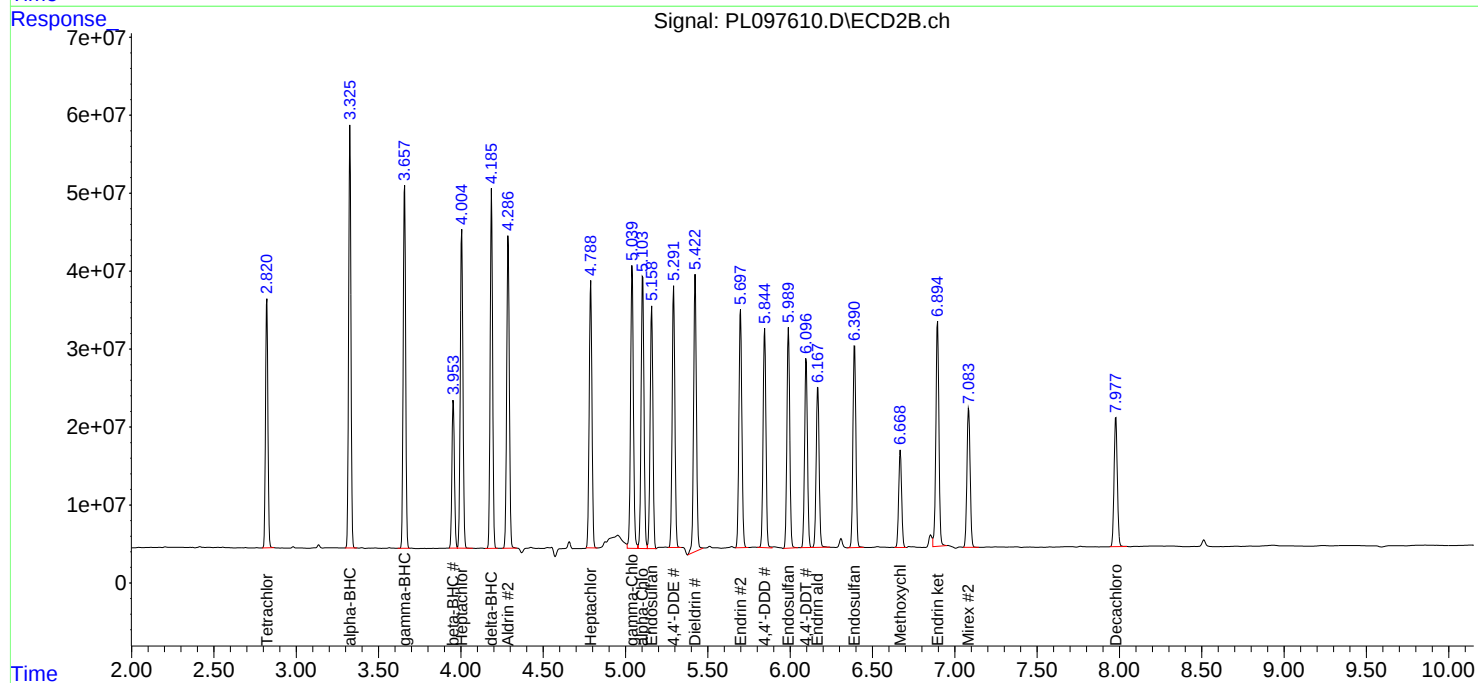
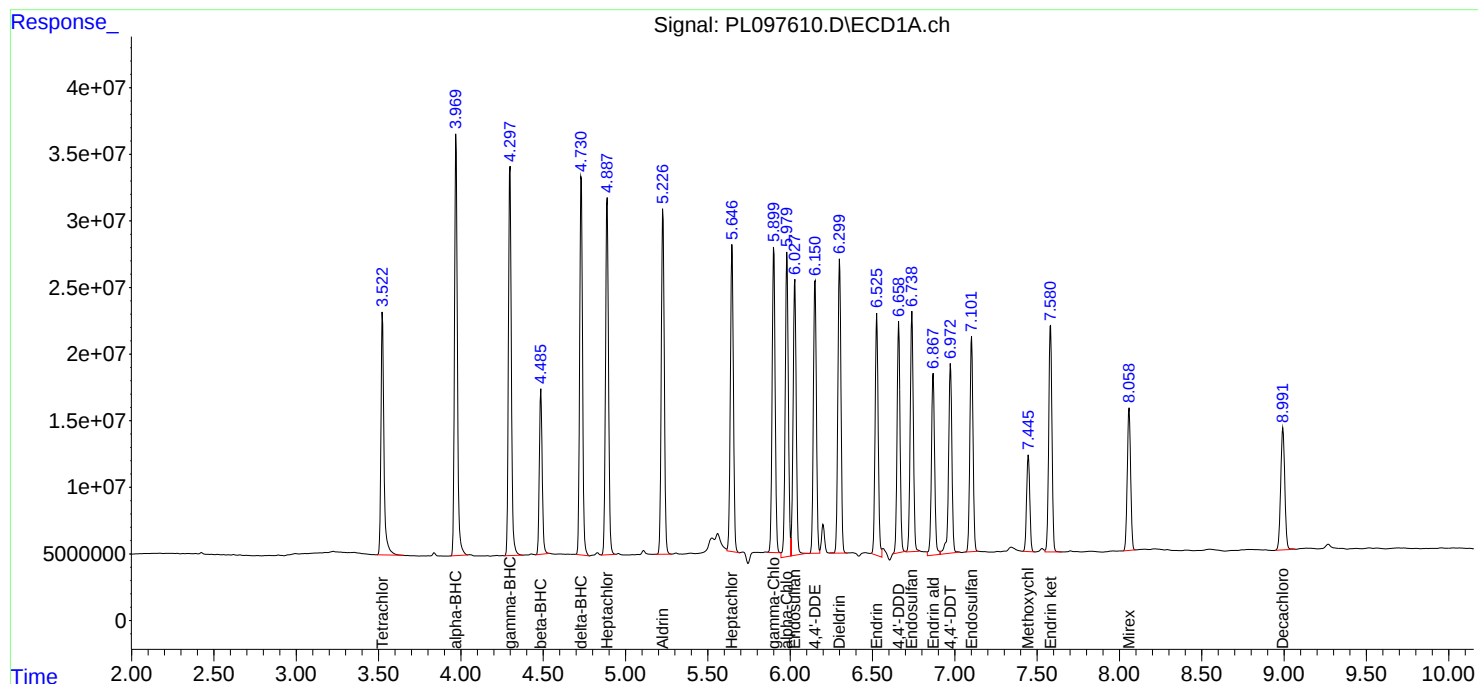
## APPROVED

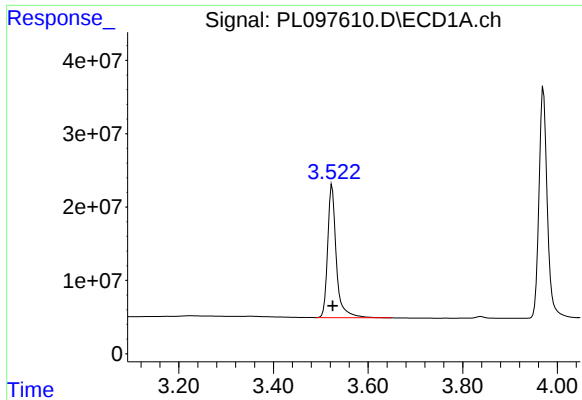
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:21:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





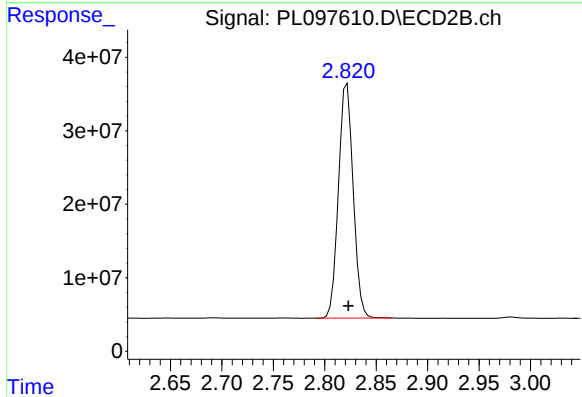
#1 Tetrachloro-m-xylene

R.T.: 3.524 min  
Delta R.T.: -0.001 min  
Response: 230303162  
Conc: 56.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

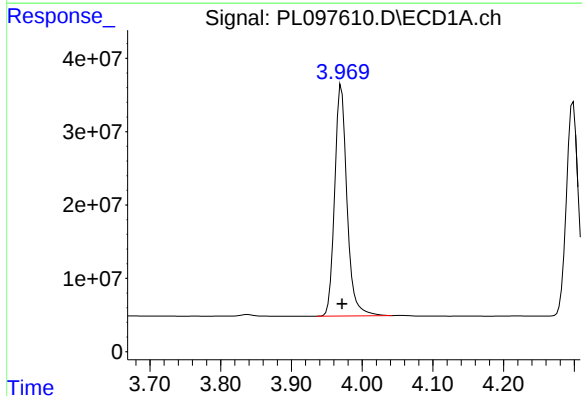
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



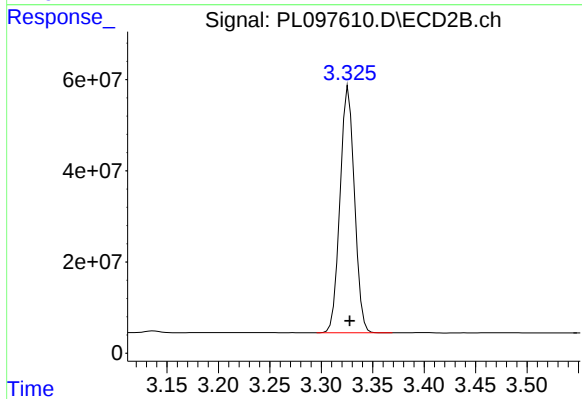
#1 Tetrachloro-m-xylene

R.T.: 2.822 min  
Delta R.T.: -0.001 min  
Response: 317551044  
Conc: 52.17 ng/ml



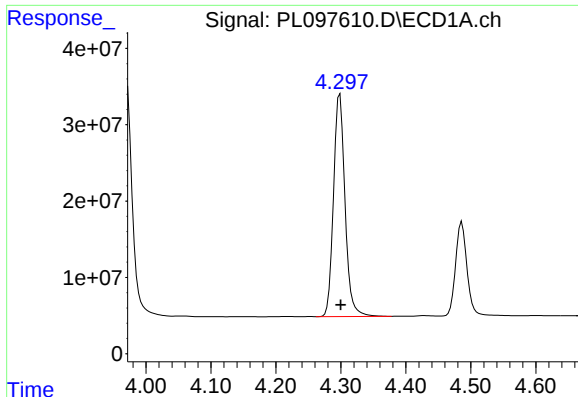
#2 alpha-BHC

R.T.: 3.971 min  
Delta R.T.: -0.001 min  
Response: 381127409  
Conc: 56.50 ng/ml



#2 alpha-BHC

R.T.: 3.326 min  
Delta R.T.: -0.001 min  
Response: 526305224  
Conc: 53.34 ng/ml



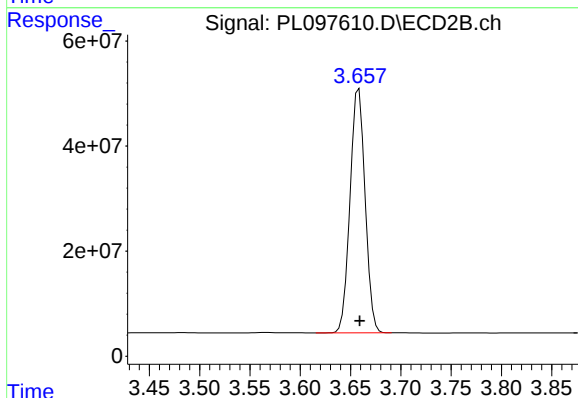
#3 gamma-BHC (Lindane)

R.T.: 4.298 min  
Delta R.T.: -0.001 min  
Response: 358163162  
Conc: 56.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

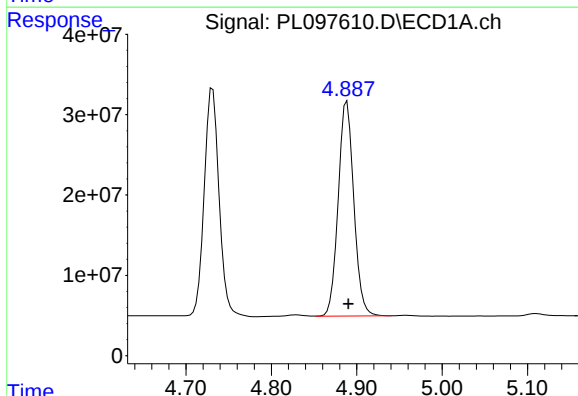
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



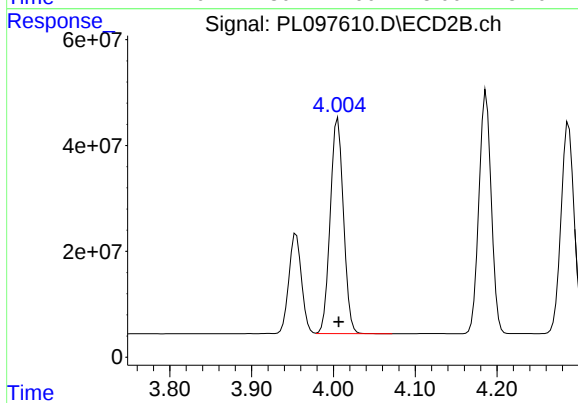
#3 gamma-BHC (Lindane)

R.T.: 3.658 min  
Delta R.T.: 0.000 min  
Response: 483376823  
Conc: 52.61 ng/ml



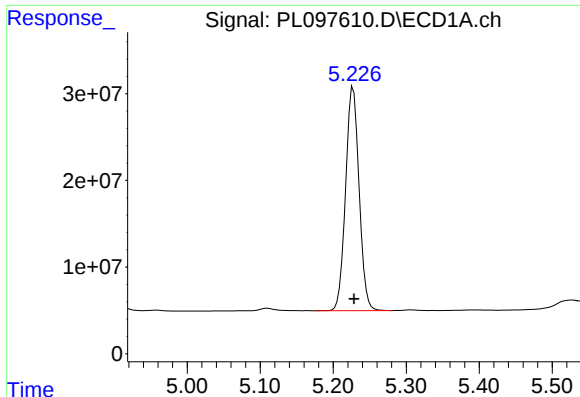
#4 Heptachlor

R.T.: 4.889 min  
Delta R.T.: -0.001 min  
Response: 339729817  
Conc: 52.67 ng/ml



#4 Heptachlor

R.T.: 4.005 min  
Delta R.T.: -0.001 min  
Response: 458119387  
Conc: 49.84 ng/ml



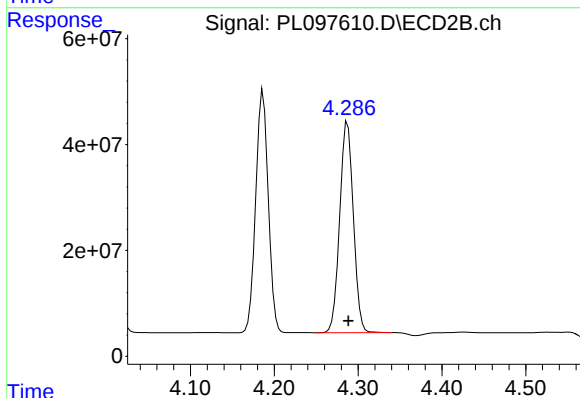
#5 Aldrin

R.T.: 5.227 min  
Delta R.T.: -0.001 min  
Response: 331299296  
Conc: 55.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

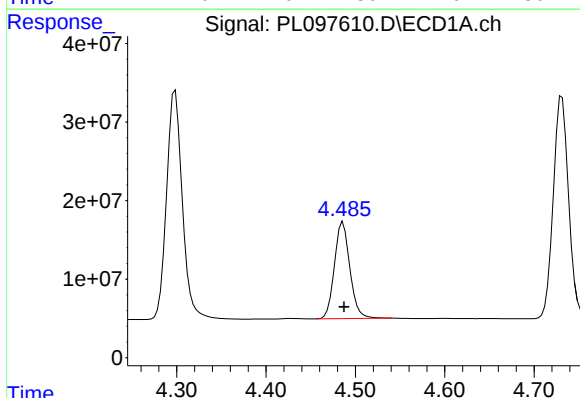
Manual Integrations  
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Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



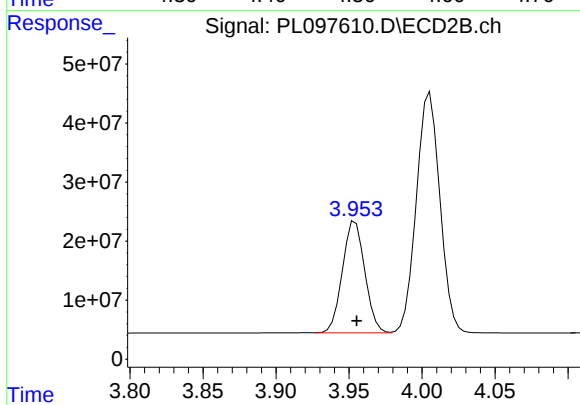
#5 Aldrin

R.T.: 4.287 min  
Delta R.T.: -0.001 min  
Response: 451088842  
Conc: 52.02 ng/ml



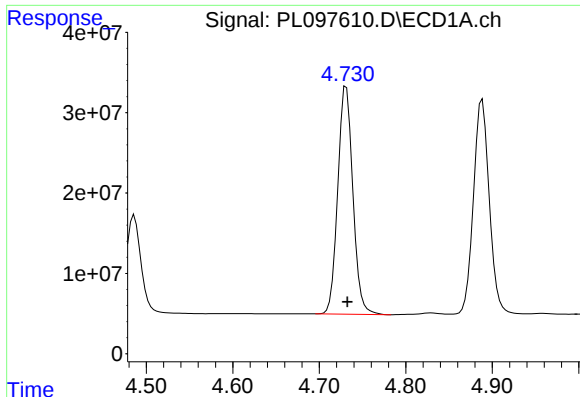
#6 beta-BHC

R.T.: 4.486 min  
Delta R.T.: -0.001 min  
Response: 147931755  
Conc: 57.22 ng/ml



#6 beta-BHC

R.T.: 3.954 min  
Delta R.T.: 0.000 min  
Response: 201503707  
Conc: 50.65 ng/ml



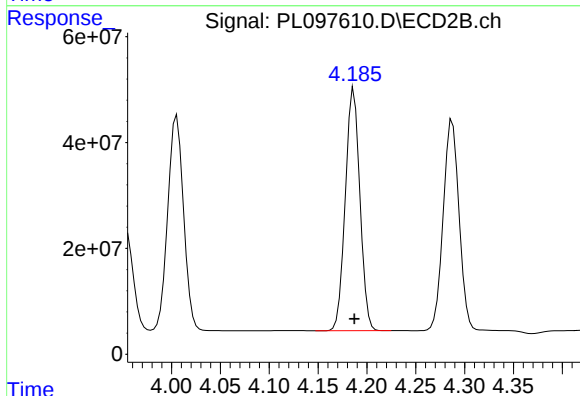
#7 delta-BHC

R.T.: 4.731 min  
Delta R.T.: -0.001 min  
Response: 342218173  
Conc: 56.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

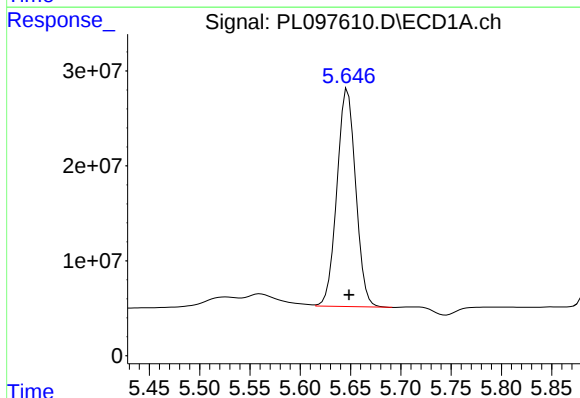
Manual Integrations  
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Supervised By :mohammad ahmed 10/16/2025



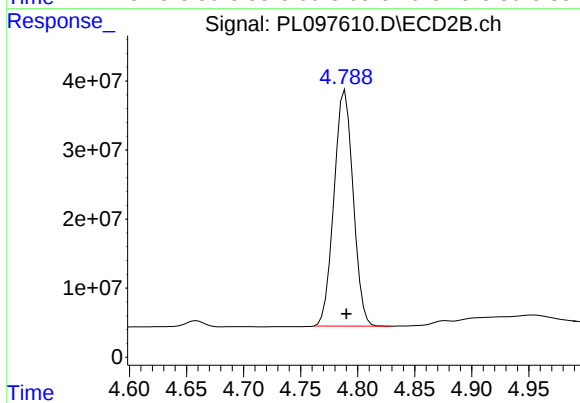
#7 delta-BHC

R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 476211860  
Conc: 52.71 ng/ml



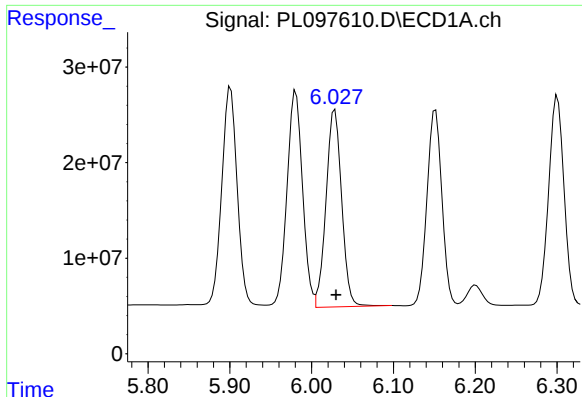
#8 Heptachlor epoxide

R.T.: 5.646 min  
Delta R.T.: -0.003 min  
Response: 297172828  
Conc: 51.04 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.789 min  
Delta R.T.: -0.001 min  
Response: 399663889  
Conc: 50.60 ng/ml



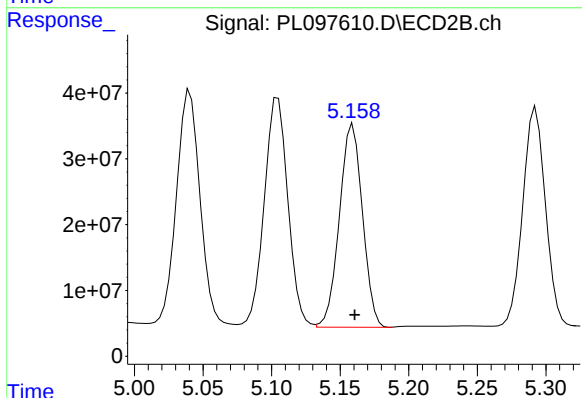
## #9 Endosulfan I

R.T.: 6.028 min  
Delta R.T.: -0.001 min  
Response: 274890793  
Conc: 55.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

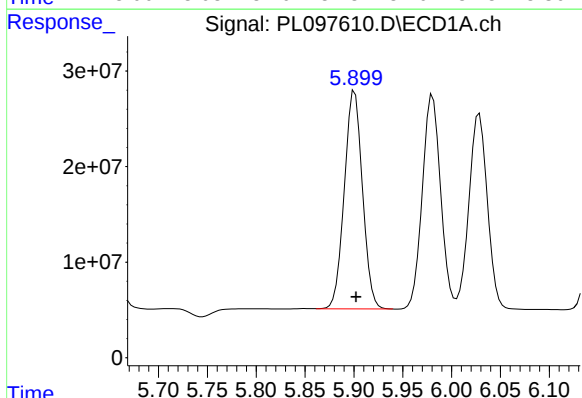
**Manual Integrations  
APPROVED**

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



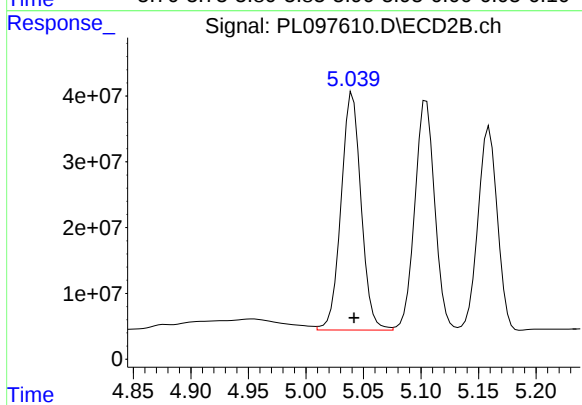
## #9 Endosulfan I

R.T.: 5.159 min  
Delta R.T.: -0.001 min  
Response: 361451484  
Conc: 49.01 ng/ml



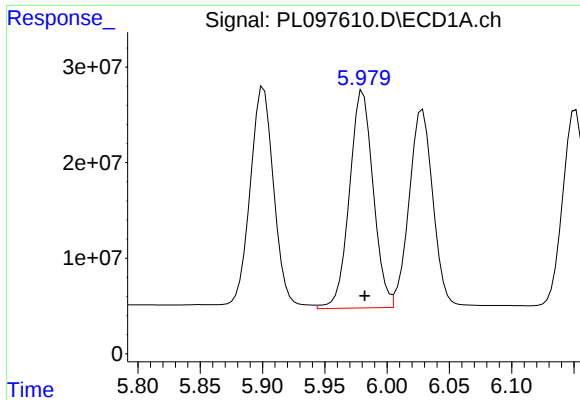
## #10 gamma-Chlordane

R.T.: 5.899 min  
Delta R.T.: -0.003 min  
Response: 295441562  
Conc: 54.44 ng/ml m



## #10 gamma-Chlordane

R.T.: 5.041 min  
Delta R.T.: -0.001 min  
Response: 438941417  
Conc: 50.49 ng/ml



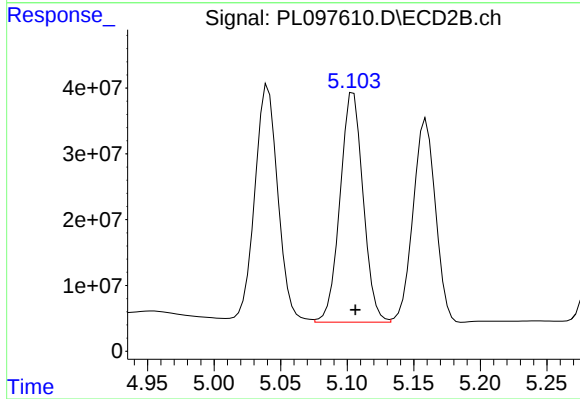
#11 alpha-Chlordane

R.T.: 5.981 min  
Delta R.T.: -0.001 min  
Response: 303176880  
Conc: 55.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

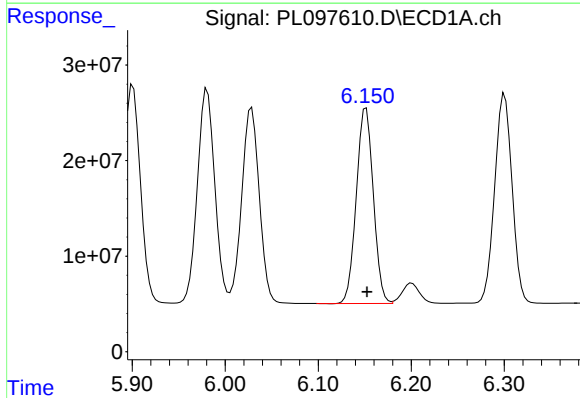
Manual Integrations  
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Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



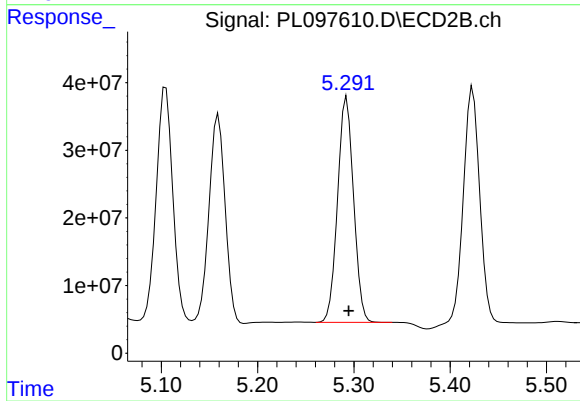
#11 alpha-Chlordane

R.T.: 5.105 min  
Delta R.T.: -0.001 min  
Response: 421404917  
Conc: 50.61 ng/ml



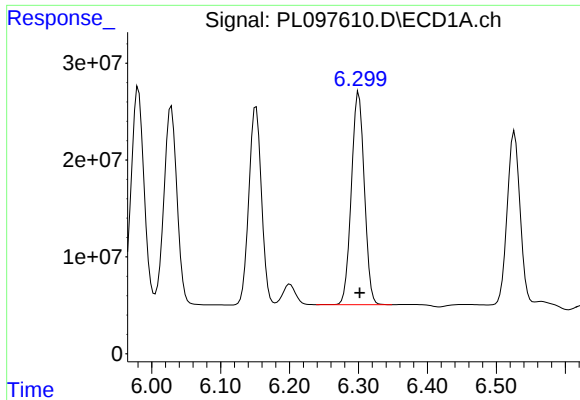
#12 4,4'-DDE

R.T.: 6.152 min  
Delta R.T.: -0.001 min  
Response: 259856196  
Conc: 55.80 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min  
Delta R.T.: -0.002 min  
Response: 384122832  
Conc: 50.59 ng/ml



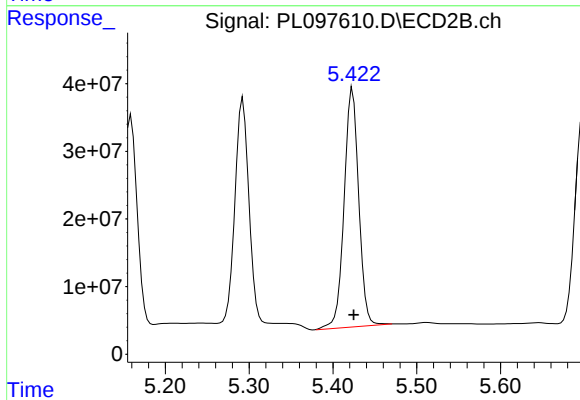
#13 Dieldrin

R.T.: 6.300 min  
Delta R.T.: -0.002 min  
Response: 286463069  
Conc: 54.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

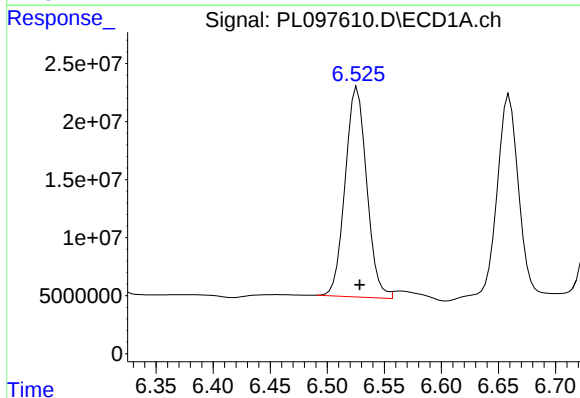
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



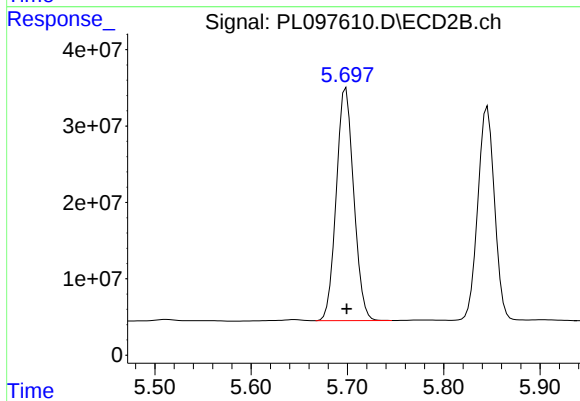
#13 Dieldrin

R.T.: 5.423 min  
Delta R.T.: -0.002 min  
Response: 429636536  
Conc: 51.96 ng/ml



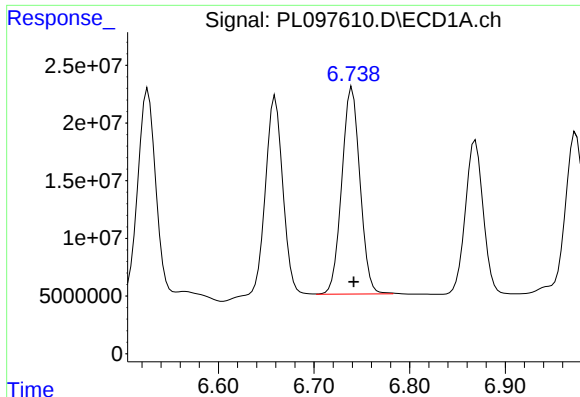
#14 Endrin

R.T.: 6.526 min  
Delta R.T.: -0.002 min  
Response: 237872371  
Conc: 53.16 ng/ml



#14 Endrin

R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 383339519  
Conc: 51.79 ng/ml



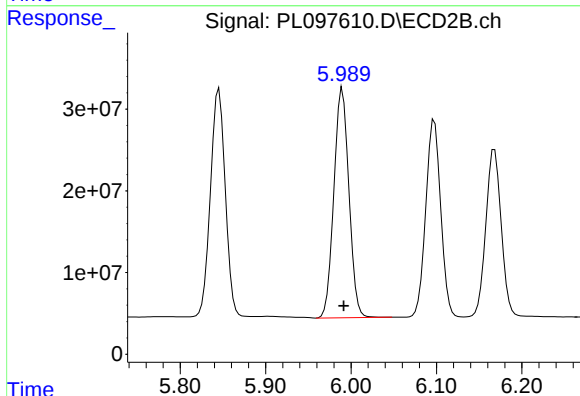
#15 Endosulfan II

R.T.: 6.738 min  
Delta R.T.: -0.003 min  
Response: 237941219  
Conc: 48.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

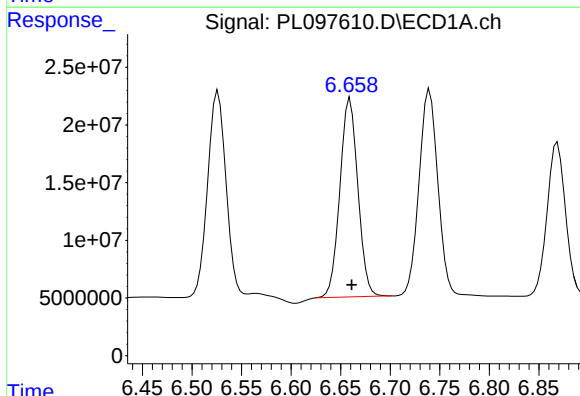
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



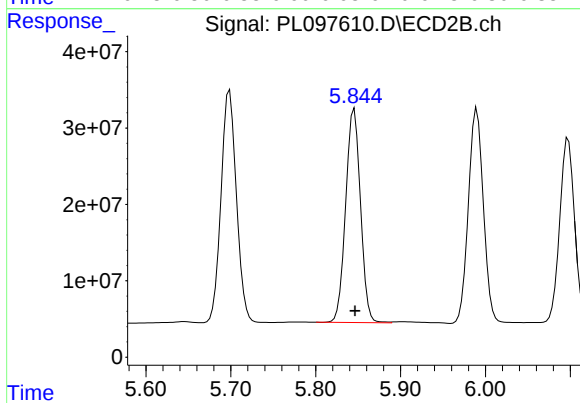
#15 Endosulfan II

R.T.: 5.990 min  
Delta R.T.: -0.001 min  
Response: 344325507  
Conc: 49.87 ng/ml



#16 4,4'-DDD

R.T.: 6.658 min  
Delta R.T.: -0.003 min  
Response: 217582194  
Conc: 57.66 ng/ml m

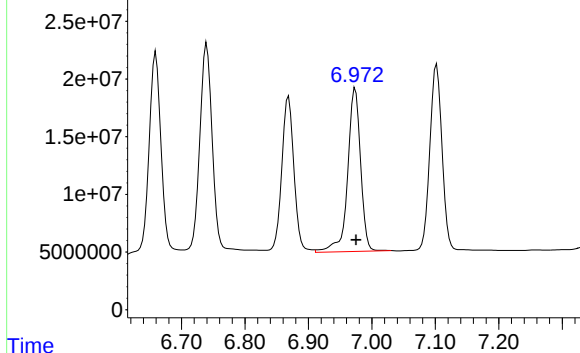


#16 4,4'-DDD

R.T.: 5.845 min  
Delta R.T.: 0.000 min  
Response: 339709329  
Conc: 53.26 ng/ml

Response\_ Signal: PL097610.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 6.974 min  
Delta R.T.: -0.001 min  
Response: 201112053  
Conc: 49.60 ng/ml

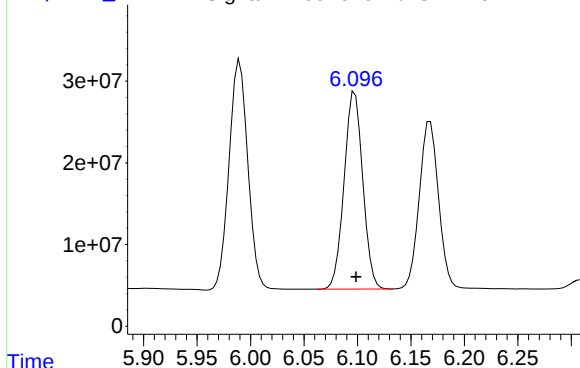
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
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Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

Time Response\_ Signal: PL097610.D\ECD2B.ch

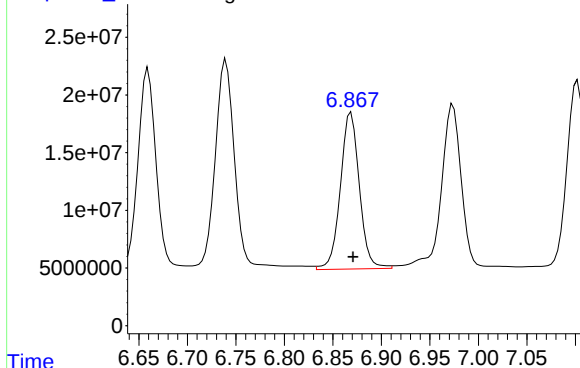
#17 4,4'-DDT



R.T.: 6.098 min  
Delta R.T.: -0.001 min  
Response: 293892171  
Conc: 44.11 ng/ml

Time Response\_ Signal: PL097610.D\ECD1A.ch

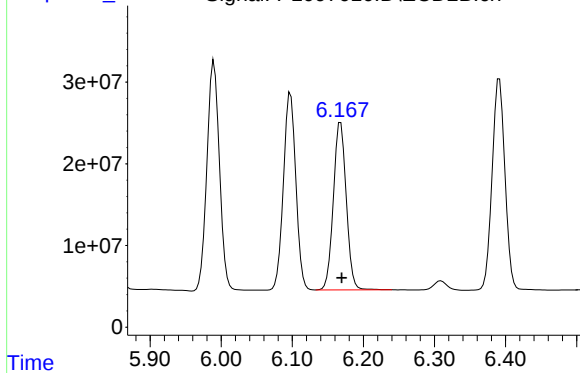
#18 Endrin aldehyde



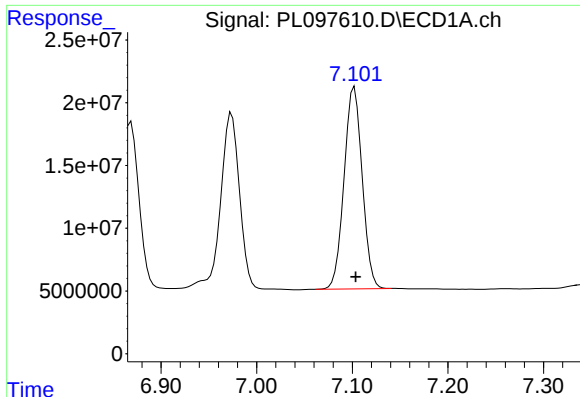
R.T.: 6.869 min  
Delta R.T.: -0.002 min  
Response: 184936139  
Conc: 56.44 ng/ml

Time Response\_ Signal: PL097610.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.168 min  
Delta R.T.: -0.001 min  
Response: 258226788  
Conc: 44.84 ng/ml



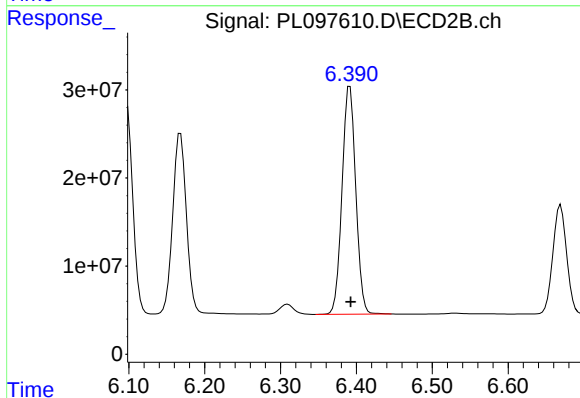
## #19 Endosulfan Sulfate

R.T.: 7.102 min  
Delta R.T.: -0.002 min  
Response: 212784685  
Conc: 53.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

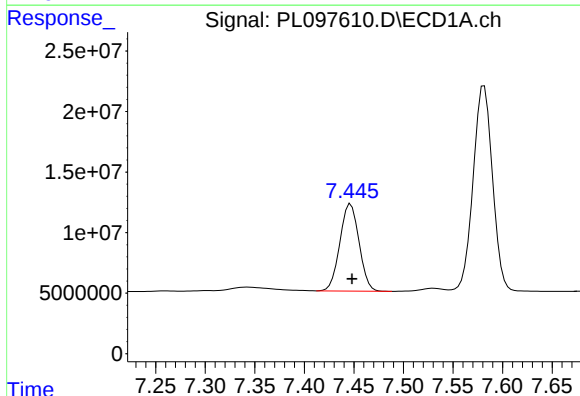
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



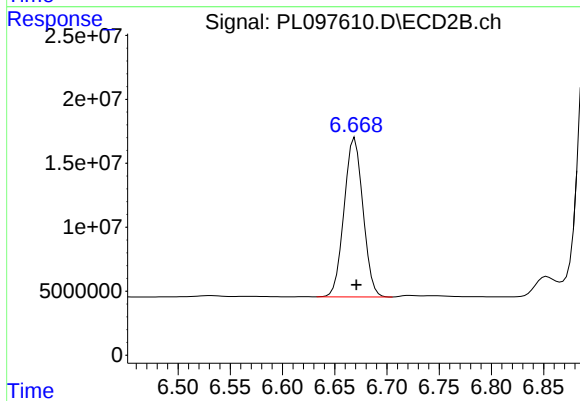
## #19 Endosulfan Sulfate

R.T.: 6.391 min  
Delta R.T.: -0.001 min  
Response: 325043426  
Conc: 48.82 ng/ml



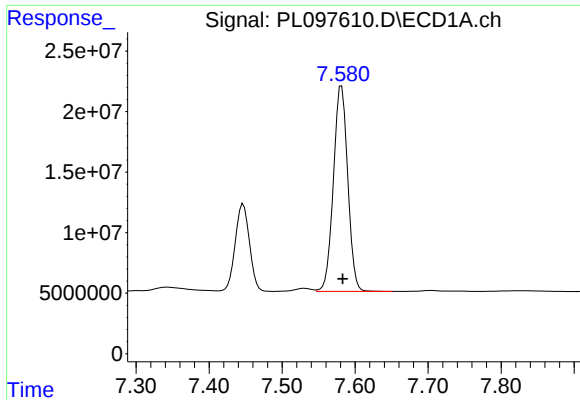
## #20 Methoxychlor

R.T.: 7.447 min  
Delta R.T.: -0.001 min  
Response: 96811752  
Conc: 46.34 ng/ml



## #20 Methoxychlor

R.T.: 6.669 min  
Delta R.T.: -0.001 min  
Response: 156247679  
Conc: 42.86 ng/ml



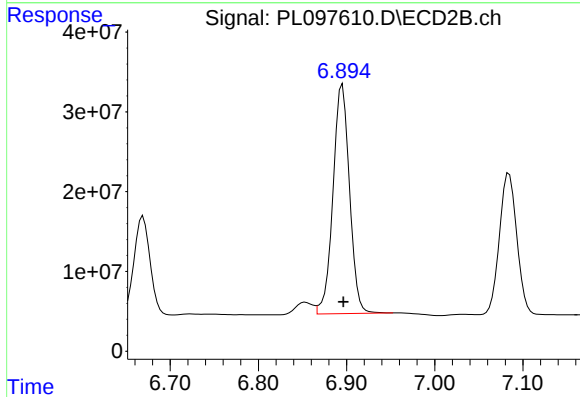
#21 Endrin ketone

R.T.: 7.581 min  
Delta R.T.: -0.002 min  
Response: 231697323  
Conc: 54.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

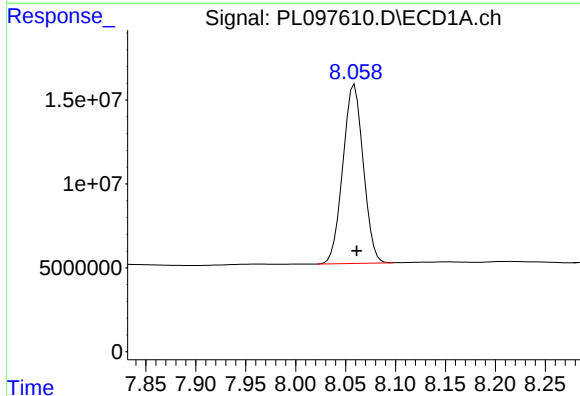
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



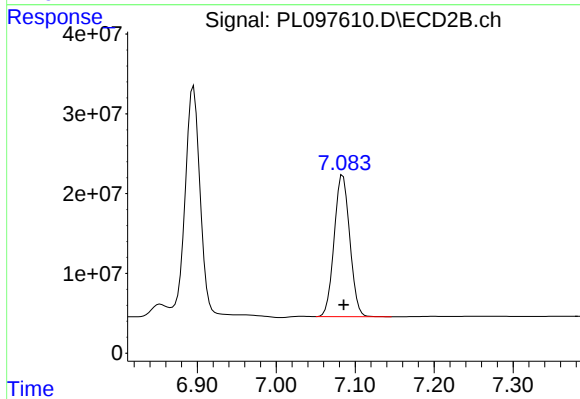
#21 Endrin ketone

R.T.: 6.895 min  
Delta R.T.: -0.001 min  
Response: 374990655  
Conc: 47.47 ng/ml



#22 Mirex

R.T.: 8.059 min  
Delta R.T.: -0.002 min  
Response: 151600990  
Conc: 48.79 ng/ml

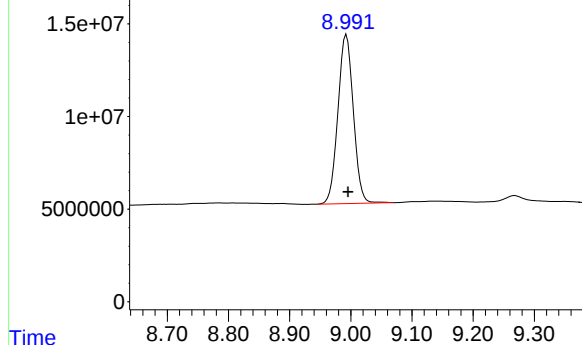


#22 Mirex

R.T.: 7.084 min  
Delta R.T.: -0.001 min  
Response: 243458710  
Conc: 45.51 ng/ml

Signal: PL097610.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 8.993 min  
Delta R.T.: -0.003 min  
Response: 159796365  
Conc: 53.74 ng/ml

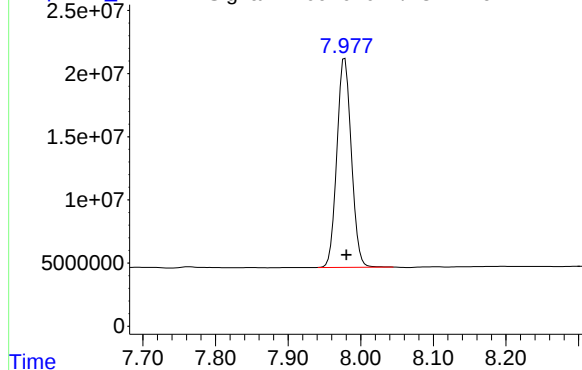
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

Signal: PL097610.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.978 min  
Delta R.T.: -0.002 min  
Response: 228870390  
Conc: 44.11 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097524.D Date Analyzed: 10/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 8.995 | 8.890     | 9.100 | 22.480             | 20.000            | 12.4 |
| Tetrachloro-m-xylene | 3.525 | 3.470     | 3.580 | 21.020             | 20.000            | 5.1  |
| alpha-BHC            | 3.972 | 3.920     | 4.020 | 9.250              | 10.000            | -7.5 |
| beta-BHC             | 4.487 | 4.440     | 4.540 | 9.770              | 10.000            | -2.3 |
| gamma-BHC (Lindane)  | 4.299 | 4.250     | 4.350 | 9.540              | 10.000            | -4.6 |
| Endrin               | 6.528 | 6.460     | 6.600 | 49.100             | 50.000            | -1.8 |
| 4,4'-DDT             | 6.976 | 6.910     | 7.050 | 99.450             | 100.000           | -0.6 |
| Methoxychlor         | 7.449 | 7.380     | 7.520 | 233.030            | 250.000           | -6.8 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097524.D Date Analyzed: 10/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 7.980 | 7.880     | 8.080 | 21.730             | 20.000            | 8.7   |
| Tetrachloro-m-xylene | 2.822 | 2.770     | 2.870 | 20.010             | 20.000            | 0.1   |
| alpha-BHC            | 3.327 | 3.280     | 3.380 | 9.920              | 10.000            | -0.8  |
| beta-BHC             | 3.954 | 3.900     | 4.000 | 9.860              | 10.000            | -1.4  |
| gamma-BHC (Lindane)  | 3.659 | 3.610     | 3.710 | 9.560              | 10.000            | -4.4  |
| Endrin               | 5.699 | 5.630     | 5.770 | 48.200             | 50.000            | -3.6  |
| 4,4'-DDT             | 6.098 | 6.030     | 6.170 | 101.840            | 100.000           | 1.8   |
| Methoxychlor         | 6.670 | 6.600     | 6.740 | 214.490            | 250.000           | -14.2 |

PEM  
 Data File: PL097524.D Date Acquired 10/7/2025 10:06  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.53 | 219684639.6 | 225208017             | 5523377.4           | 2.45         |
| Endrin aldehyde | 6.87 | 1414620.112 |                       |                     |              |
| Endrin ketone   | 7.58 | 4108757.284 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.70 | 356713869.9 | 383529672.1           | 26815802.2          | 6.99         |
| Endrin aldehyde #2 | 6.17 | 13411473.74 |                       |                     |              |
| Endrin ketone #2   | 6.90 | 13404328.48 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 6.98 | 403234840.2 | 407892171.9               | 4657331.7             | 1.14         |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.66 | 4657331.703 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.10 | 678588383.6 | 685623374.7               | 7034991.07            | 1.03         |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.85 | 7034991.065 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097524.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 10:06  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 14:33:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 14:32:10 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.525 | 2.822 | 85683400 | 121.8E6  | 21.018  | 20.011  |
| 28)                         | SA Decachlor... | 8.995 | 7.980 | 66841952 | 112.7E6  | 22.478  | 21.728  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.972 | 3.327 | 62410931 | 97859114 | 9.252   | 9.918   |
| 3)                          | MA gamma-BHC... | 4.299 | 3.659 | 60643492 | 87784486 | 9.541   | 9.555   |
| 6)                          | B beta-BHC      | 4.487 | 3.954 | 25254750 | 39230868 | 9.768   | 9.862   |
| 14)                         | MA Endrin       | 6.528 | 5.699 | 219.7E6  | 356.7E6  | 49.099  | 48.195  |
| 16)                         | A 4,4'-DDD      | 6.662 | 5.847 | 4657332  | 7034991  | 1.234   | 1.103   |
| 17)                         | MA 4,4'-DDT     | 6.976 | 6.098 | 403.2E6  | 678.6E6  | 99.449  | 101.838 |
| 18)                         | B Endrin al...  | 6.872 | 6.170 | 1414620  | 13411474 | 0.432m  | 2.329 # |
| 20)                         | A Methoxychlor  | 7.449 | 6.670 | 486.8E6  | 781.9E6  | 233.027 | 214.495 |
| 21)                         | B Endrin ke...  | 7.582 | 6.895 | 4108757  | 13404328 | 0.960m  | 1.697 # |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097524.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 10:06  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

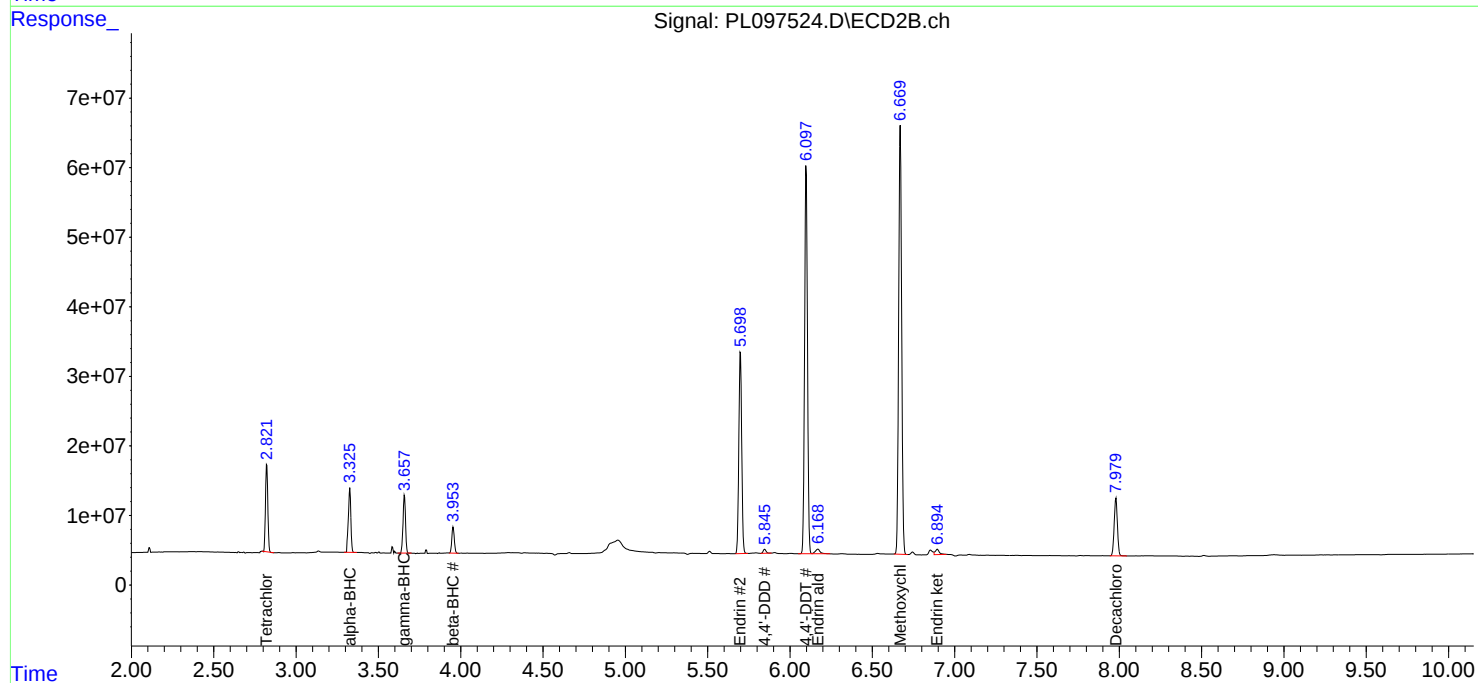
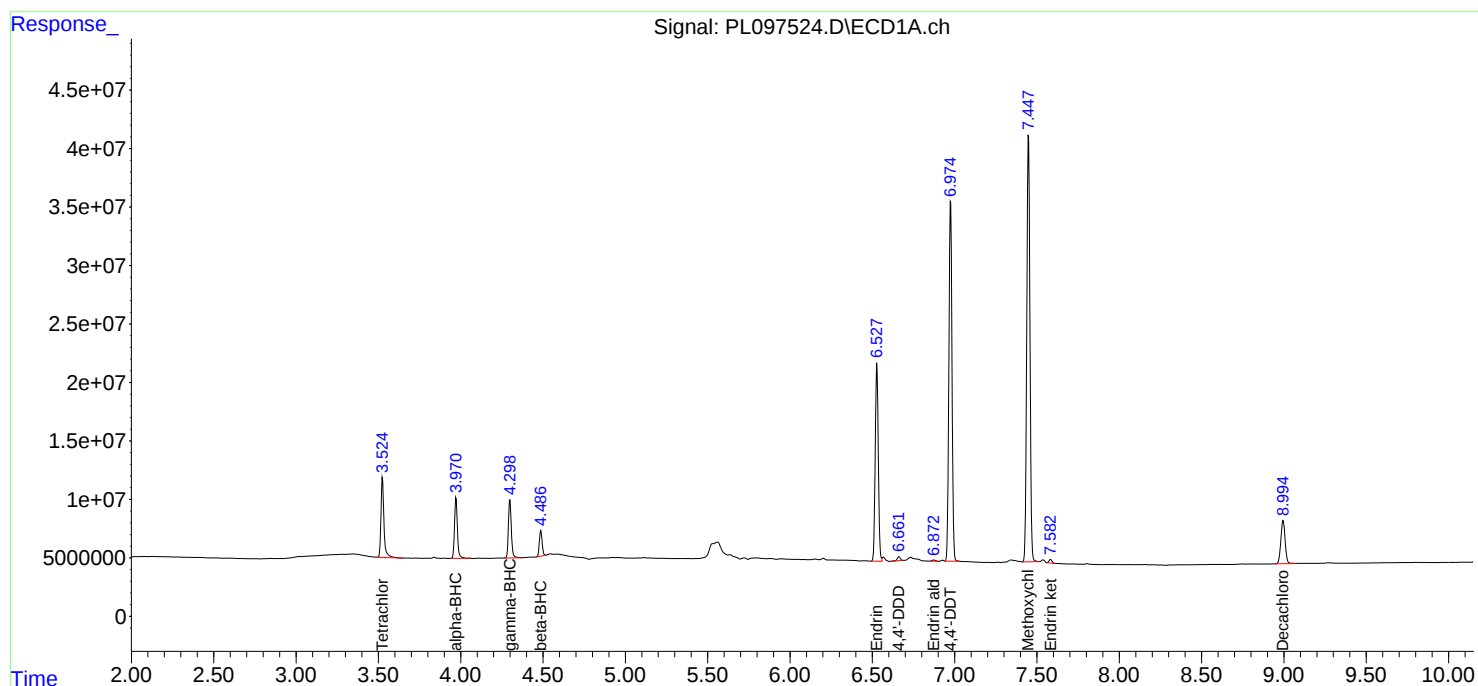
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

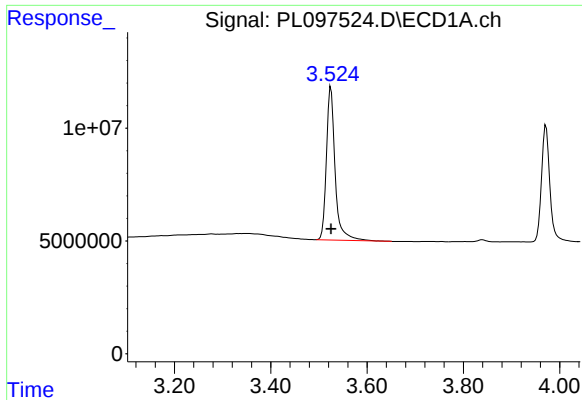
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 14:33:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 14:32:10 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





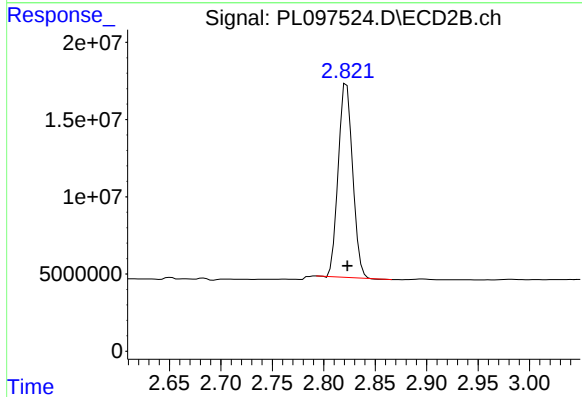
#1 Tetrachloro-m-xylene

R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 85683400  
Conc: 21.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

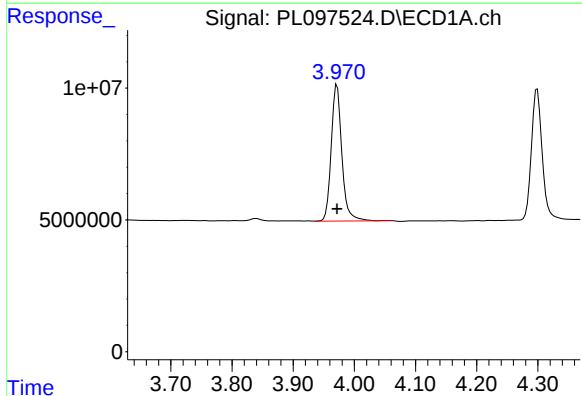
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



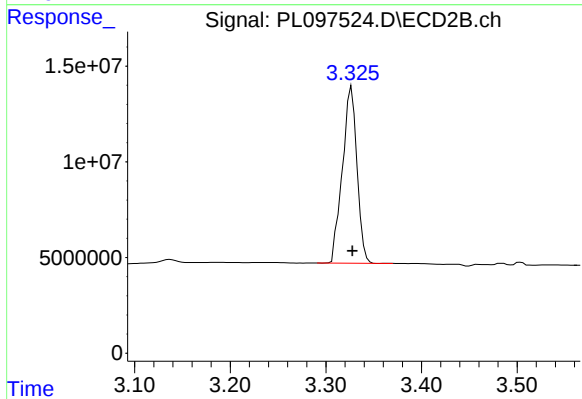
#1 Tetrachloro-m-xylene

R.T.: 2.822 min  
Delta R.T.: 0.000 min  
Response: 121795793  
Conc: 20.01 ng/ml



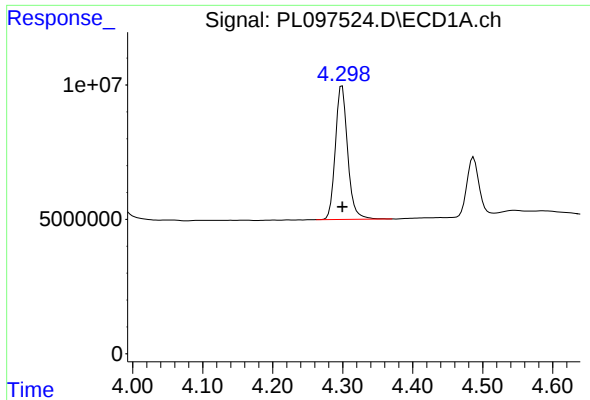
#2 alpha-BHC

R.T.: 3.972 min  
Delta R.T.: 0.000 min  
Response: 62410931  
Conc: 9.25 ng/ml



#2 alpha-BHC

R.T.: 3.327 min  
Delta R.T.: 0.000 min  
Response: 97859114  
Conc: 9.92 ng/ml



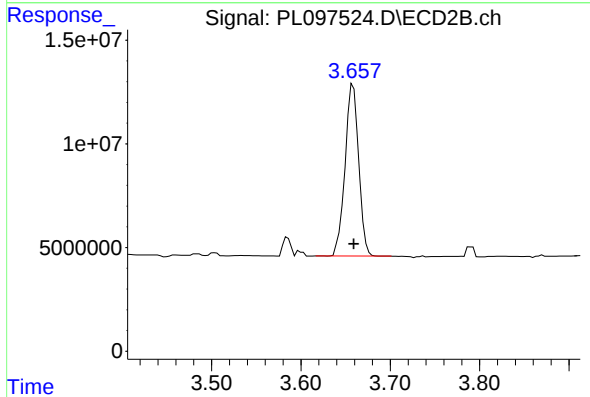
#3 gamma-BHC (Lindane)

R.T.: 4.299 min  
Delta R.T.: 0.000 min  
Response: 60643492  
Conc: 9.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

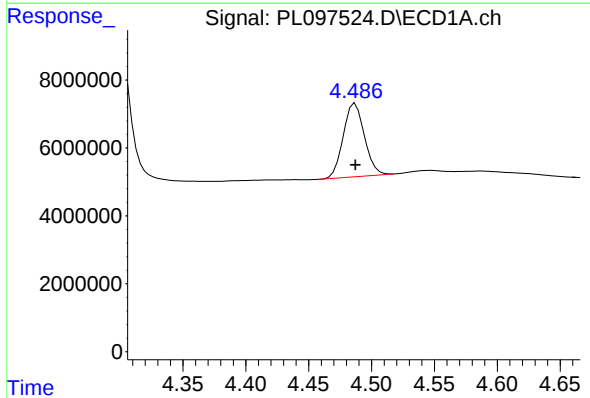
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



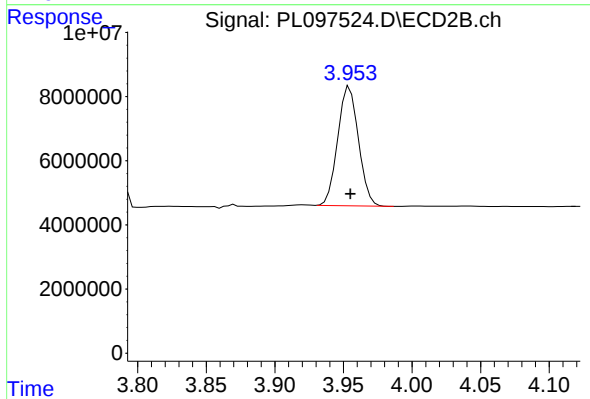
#3 gamma-BHC (Lindane)

R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 87784486  
Conc: 9.56 ng/ml



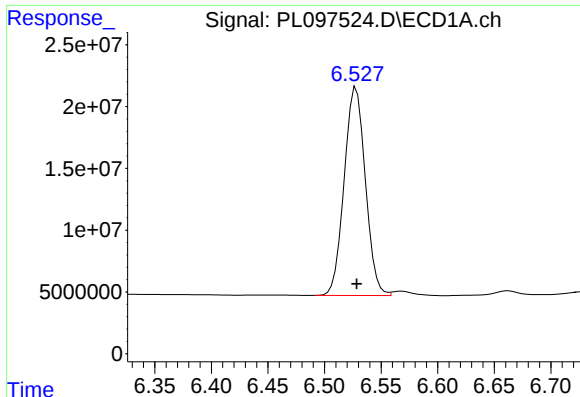
#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 25254750  
Conc: 9.77 ng/ml



#6 beta-BHC

R.T.: 3.954 min  
Delta R.T.: 0.000 min  
Response: 39230868  
Conc: 9.86 ng/ml



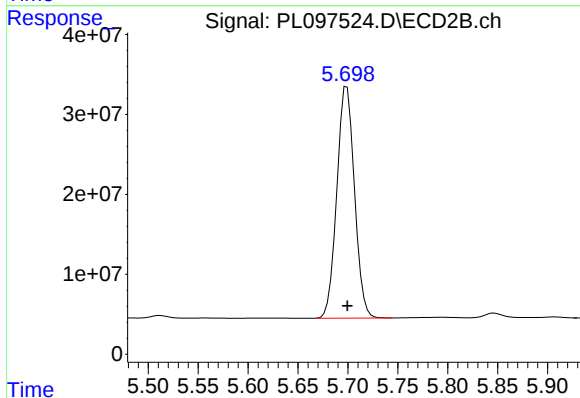
#14 Endrin

R.T.: 6.528 min  
Delta R.T.: 0.000 min  
Response: 219684640  
Conc: 49.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

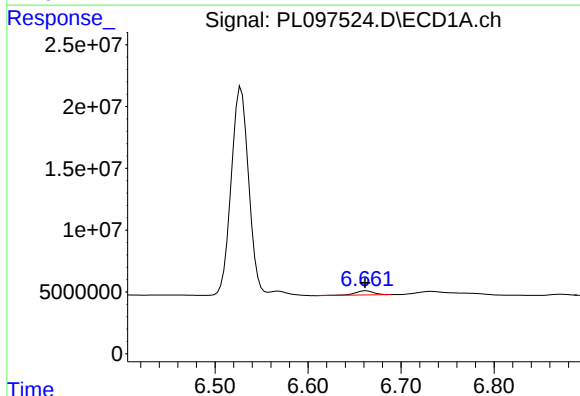
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



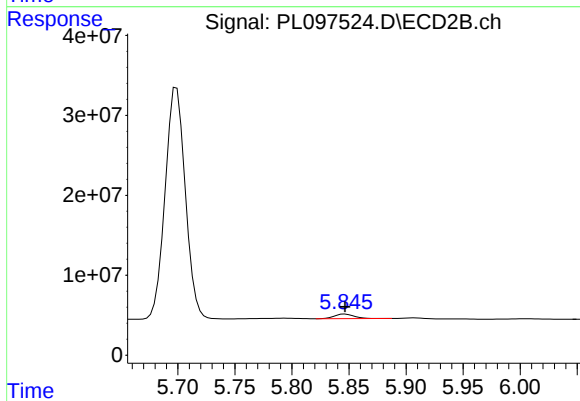
#14 Endrin

R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 356713870  
Conc: 48.20 ng/ml



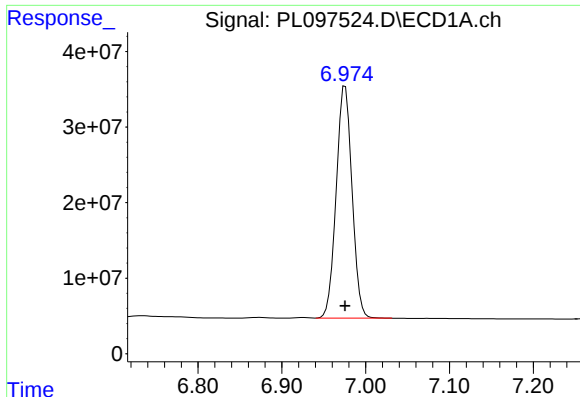
#16 4,4'-DDD

R.T.: 6.662 min  
Delta R.T.: 0.001 min  
Response: 4657332  
Conc: 1.23 ng/ml



#16 4,4'-DDD

R.T.: 5.847 min  
Delta R.T.: 0.000 min  
Response: 7034991  
Conc: 1.10 ng/ml



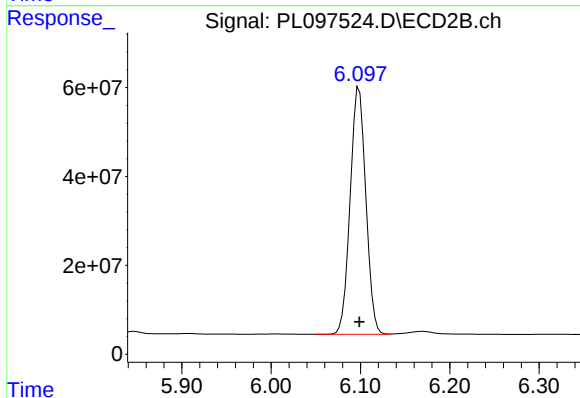
#17 4,4'-DDT

R.T.: 6.976 min  
Delta R.T.: 0.000 min  
Response: 403234840  
Conc: 99.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

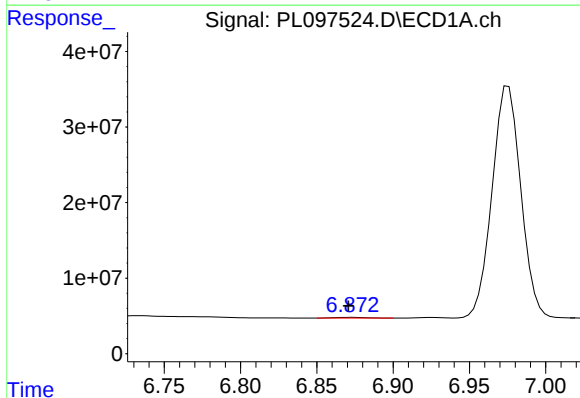
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



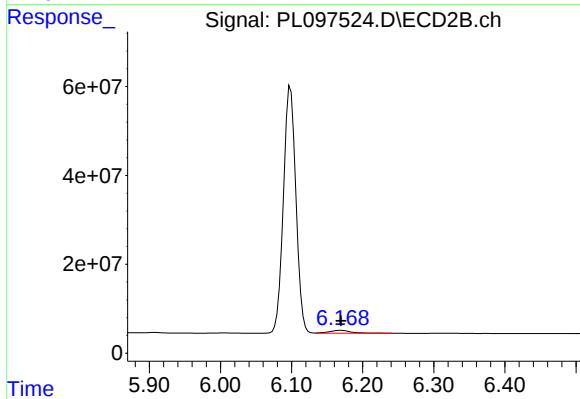
#17 4,4'-DDT

R.T.: 6.098 min  
Delta R.T.: 0.000 min  
Response: 678588384  
Conc: 101.84 ng/ml



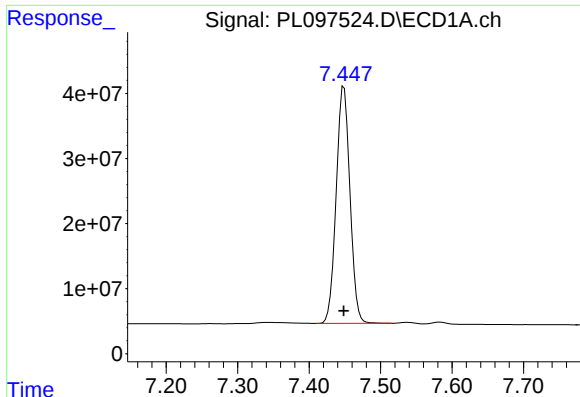
#18 Endrin aldehyde

R.T.: 6.872 min  
Delta R.T.: 0.000 min  
Response: 1414620  
Conc: 0.43 ng/ml m



#18 Endrin aldehyde

R.T.: 6.170 min  
Delta R.T.: 0.000 min  
Response: 13411474  
Conc: 2.33 ng/ml



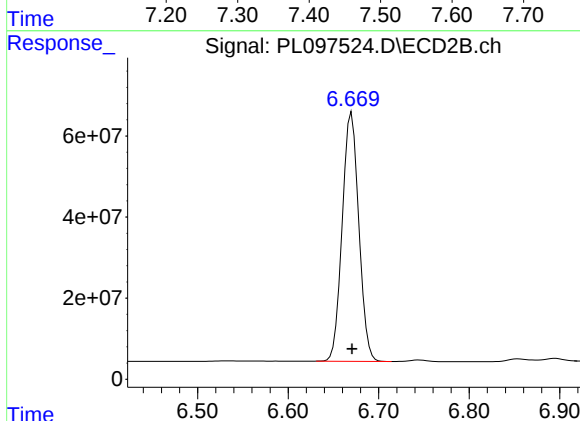
#20 Methoxychlor

R.T.: 7.449 min  
Delta R.T.: 0.000 min  
Response: 486793973  
Conc: 233.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

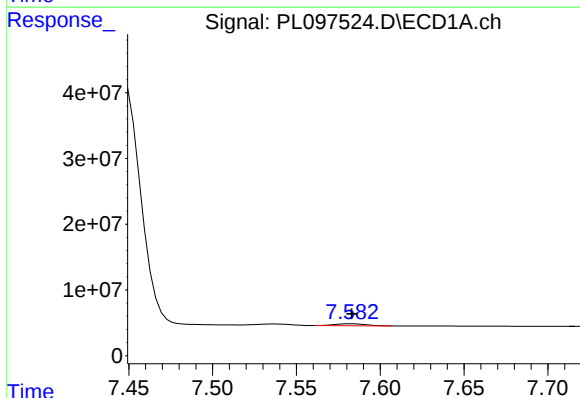
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



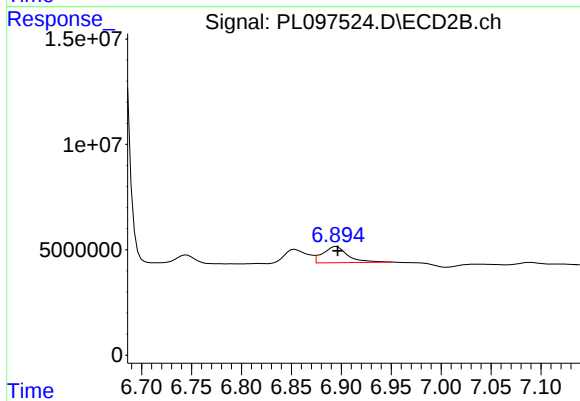
#20 Methoxychlor

R.T.: 6.670 min  
Delta R.T.: 0.000 min  
Response: 781879462  
Conc: 214.49 ng/ml



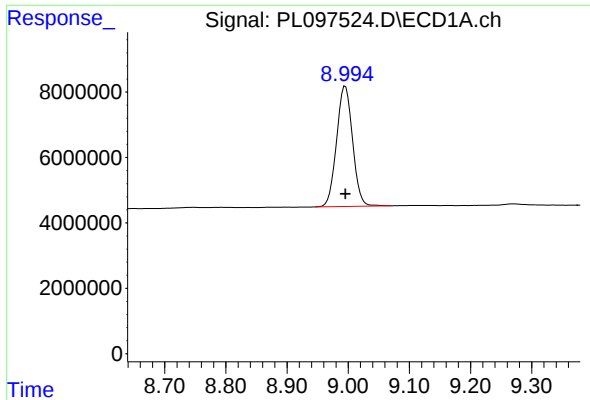
#21 Endrin ketone

R.T.: 7.582 min  
Delta R.T.: -0.001 min  
Response: 4108757  
Conc: 0.96 ng/ml m



#21 Endrin ketone

R.T.: 6.895 min  
Delta R.T.: -0.001 min  
Response: 13404328  
Conc: 1.70 ng/ml



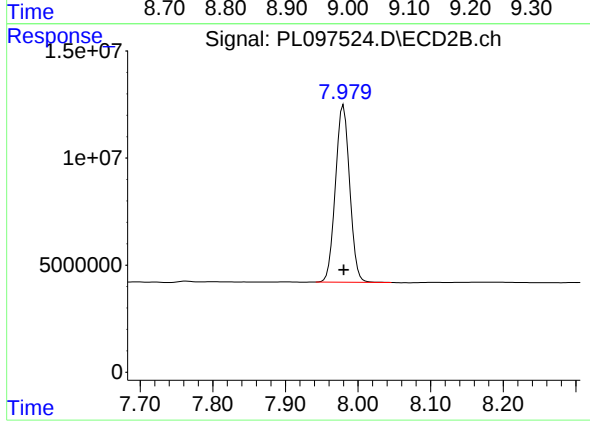
#28 Decachlorobiphenyl

R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 66841952  
Conc: 22.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 112748675  
Conc: 21.73 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097597.D Date Analyzed: 10/10/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:24

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 8.993 | 8.890     | 9.090 | 24.710             | 20.000            | 23.6 |
| Tetrachloro-m-xylene | 3.524 | 3.470     | 3.570 | 24.160             | 20.000            | 20.8 |
| alpha-BHC            | 3.970 | 3.920     | 4.020 | 10.510             | 10.000            | 5.1  |
| beta-BHC             | 4.486 | 4.440     | 4.540 | 11.630             | 10.000            | 16.3 |
| gamma-BHC (Lindane)  | 4.298 | 4.250     | 4.350 | 10.850             | 10.000            | 8.5  |
| Endrin               | 6.527 | 6.460     | 6.600 | 50.570             | 50.000            | 1.1  |
| 4,4'-DDT             | 6.974 | 6.900     | 7.040 | 97.640             | 100.000           | -2.4 |
| Methoxychlor         | 7.447 | 7.380     | 7.520 | 226.000            | 250.000           | -9.6 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097597.D Date Analyzed: 10/10/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:24

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 7.978 | 7.880     | 8.080 | 20.650             | 20.000            | 3.3   |
| Tetrachloro-m-xylene | 2.822 | 2.770     | 2.870 | 21.820             | 20.000            | 9.1   |
| alpha-BHC            | 3.326 | 3.280     | 3.380 | 9.620              | 10.000            | -3.8  |
| beta-BHC             | 3.954 | 3.900     | 4.000 | 10.300             | 10.000            | 3.0   |
| gamma-BHC (Lindane)  | 3.658 | 3.610     | 3.710 | 9.780              | 10.000            | -2.2  |
| Endrin               | 5.697 | 5.630     | 5.770 | 47.410             | 50.000            | -5.2  |
| 4,4'-DDT             | 6.097 | 6.030     | 6.170 | 93.730             | 100.000           | -6.3  |
| Methoxychlor         | 6.668 | 6.600     | 6.740 | 195.050            | 250.000           | -22.0 |

Data File: PEM  
 PL097597.D Date Acquired 10/10/2025 10:24  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down        |
|-----------------|------|-------------|-----------------------|---------------------|---------------------|
| Endrin          | 6.53 | 226250559.5 | 244958934.9           | 18708375.5          | Down<br><b>7.64</b> |
| Endrin aldehyde | 6.87 | 4045275.225 |                       |                     |                     |
| Endrin ketone   | 7.58 | 14663100.23 |                       |                     |                     |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.70 | 350884589.5 | 386959092.8           | 36074503.3          | <b>9.32</b>  |
| Endrin aldehyde #2 | 6.17 | 10218900.39 |                       |                     |              |
| Endrin ketone #2   | 6.89 | 25855602.86 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 6.97 | 395891219.9 | 421254790.3               | 25363570.4            | <b>6.02</b>  |
| 4,4'-DDE | 6.15 | 1209776.311 |                           |                       |              |
| 4,4'-DDD | 6.66 | 24153794.12 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.10 | 624542429.4 | 660680464.8               | 36138035.4            | <b>5.47</b>  |
| 4,4'-DDE #2 | 5.29 | 1222781.525 |                           |                       |              |
| 4,4'-DDD #2 | 5.84 | 34915253.88 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
 Data File : PL097597.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2025 10:24  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 07:17:44 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.524 | 2.822 | 98502248 | 132.8E6  | 24.162  | 21.821  |
| 28)                         | SA Decachlor... | 8.993 | 7.978 | 73476339 | 107.1E6  | 24.709  | 20.647  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.970 | 3.326 | 70897757 | 94957032 | 10.510  | 9.624   |
| 3)                          | MA gamma-BHC... | 4.298 | 3.658 | 68939208 | 89857619 | 10.846  | 9.781   |
| 6)                          | B beta-BHC      | 4.486 | 3.954 | 30056953 | 40955508 | 11.625  | 10.295  |
| 12)                         | B 4,4'-DDE      | 6.151 | 5.291 | 1209776  | 1222782  | 0.260m  | 0.161m# |
| 14)                         | MA Endrin       | 6.527 | 5.697 | 226.3E6  | 350.9E6  | 50.567  | 47.407  |
| 16)                         | A 4,4'-DDD      | 6.659 | 5.844 | 24153794 | 34915254 | 6.401m  | 5.474   |
| 17)                         | MA 4,4'-DDT     | 6.974 | 6.097 | 395.9E6  | 624.5E6  | 97.637  | 93.727  |
| 18)                         | B Endrin al...  | 6.869 | 6.168 | 4045275  | 10218900 | 1.235m  | 1.775 # |
| 20)                         | A Methoxychlor  | 7.447 | 6.668 | 472.1E6  | 711.0E6  | 226.000 | 195.050 |
| 21)                         | B Endrin ke...  | 7.581 | 6.894 | 14663100 | 25855603 | 3.425   | 3.273   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097597.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 10:24  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

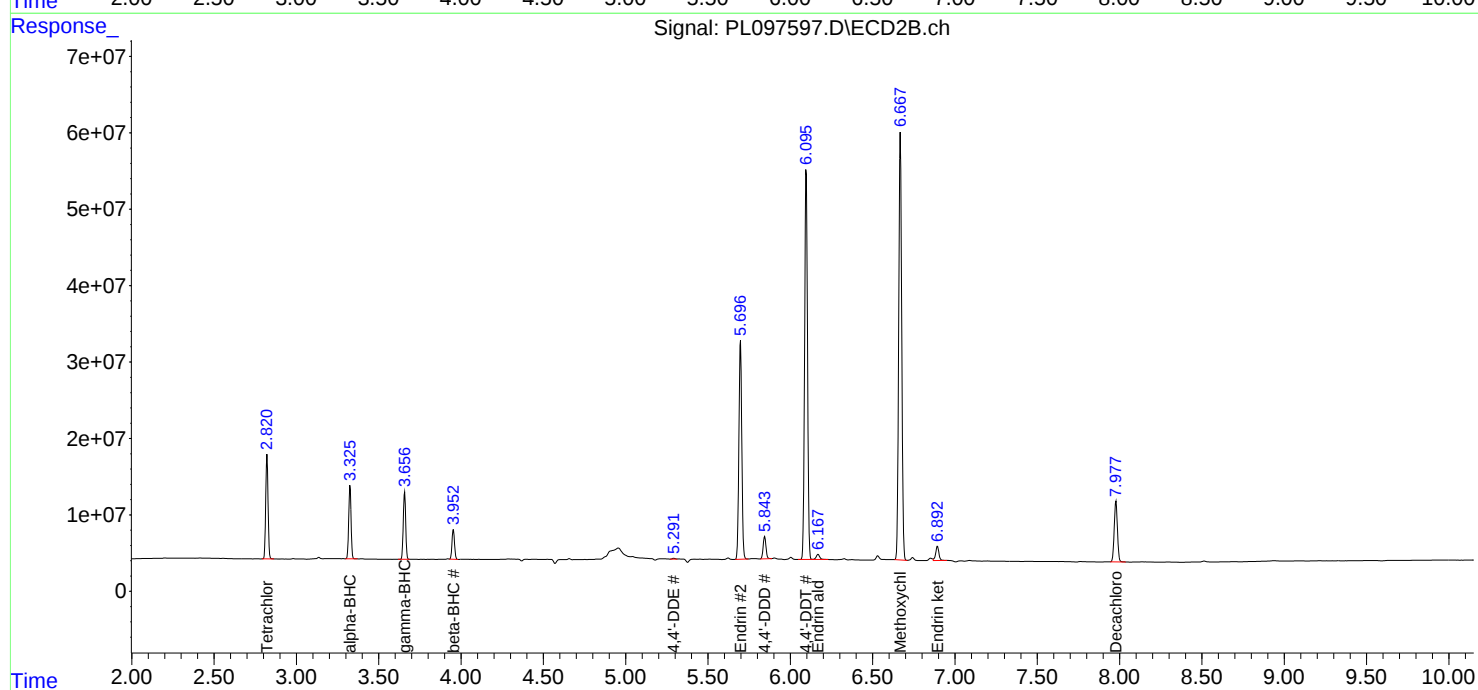
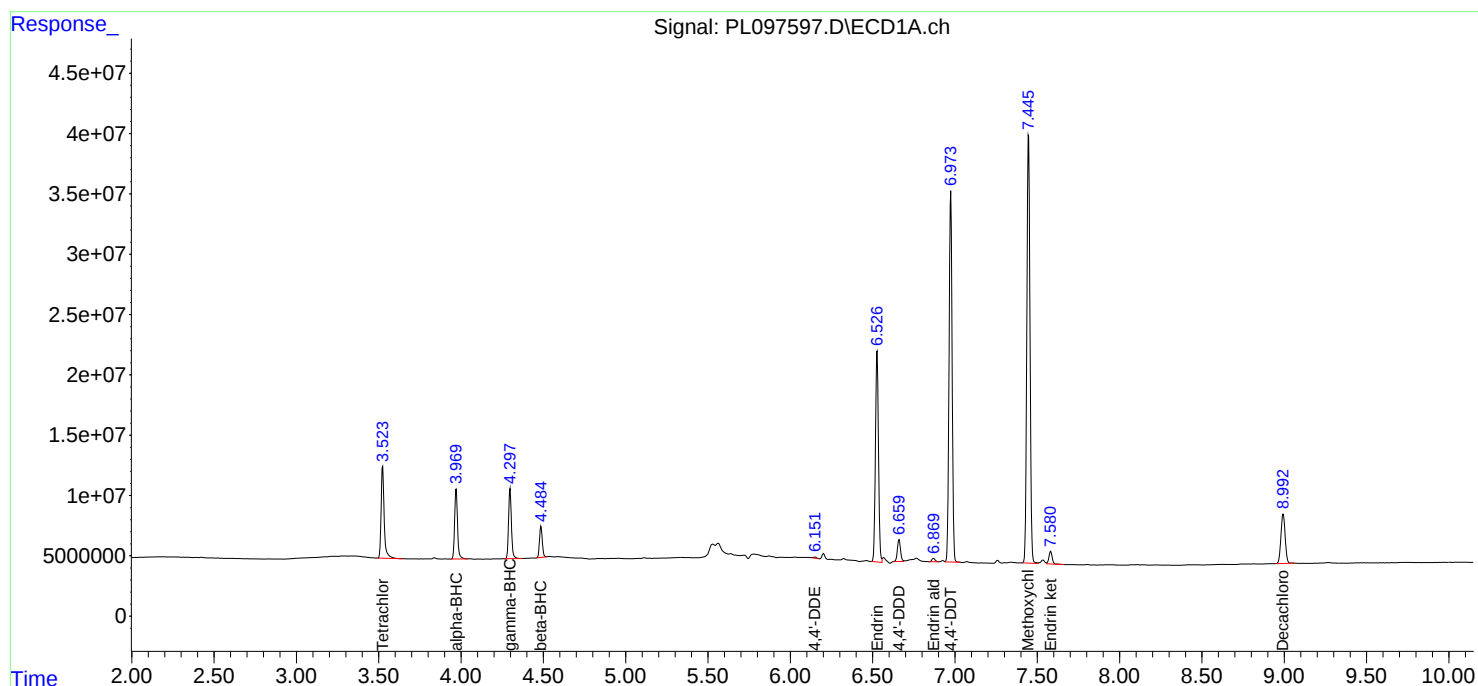
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

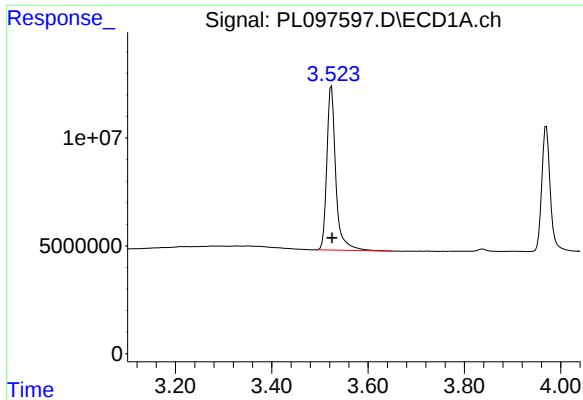
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:17:44 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





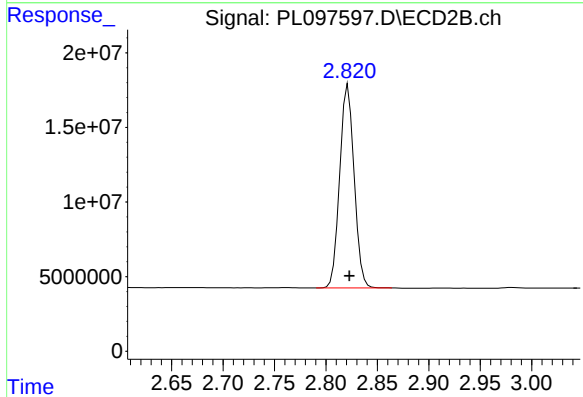
#1 Tetrachloro-m-xylene

R.T.: 3.524 min  
Delta R.T.: -0.001 min  
Response: 98502248  
Conc: 24.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

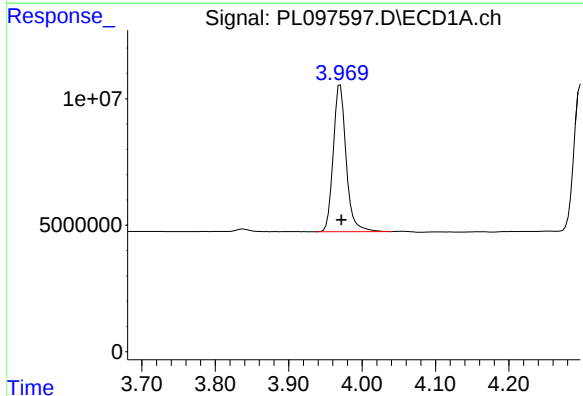
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



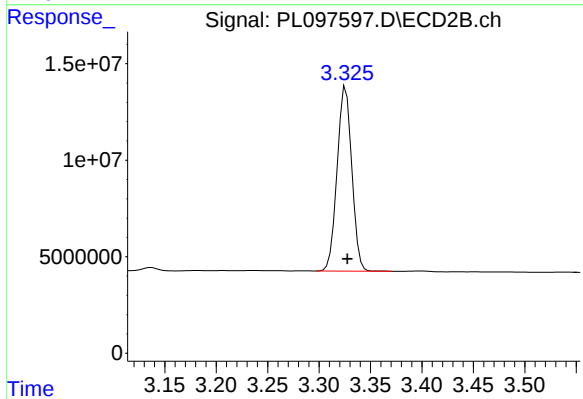
#1 Tetrachloro-m-xylene

R.T.: 2.822 min  
Delta R.T.: -0.001 min  
Response: 132813089  
Conc: 21.82 ng/ml



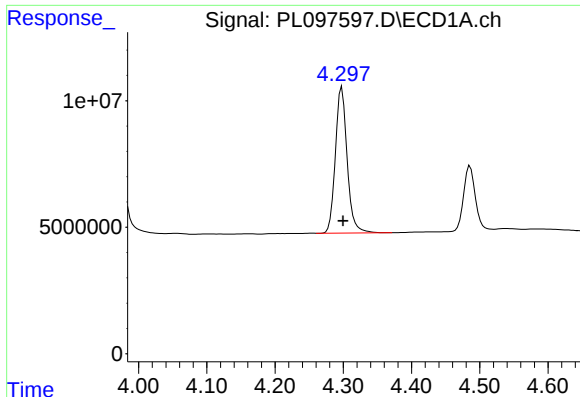
#2 alpha-BHC

R.T.: 3.970 min  
Delta R.T.: -0.002 min  
Response: 70897757  
Conc: 10.51 ng/ml



#2 alpha-BHC

R.T.: 3.326 min  
Delta R.T.: -0.002 min  
Response: 94957032  
Conc: 9.62 ng/ml



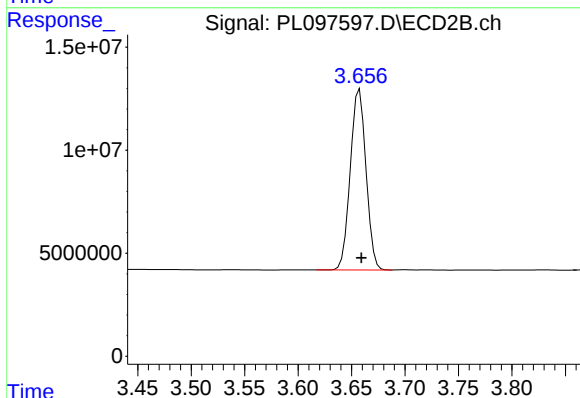
#3 gamma-BHC (Lindane)

R.T.: 4.298 min  
Delta R.T.: -0.002 min  
Response: 68939208  
Conc: 10.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

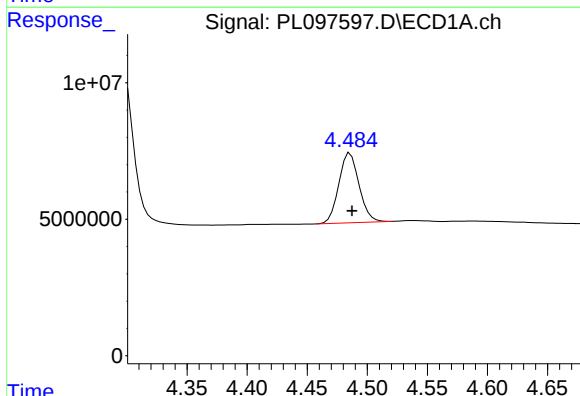
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



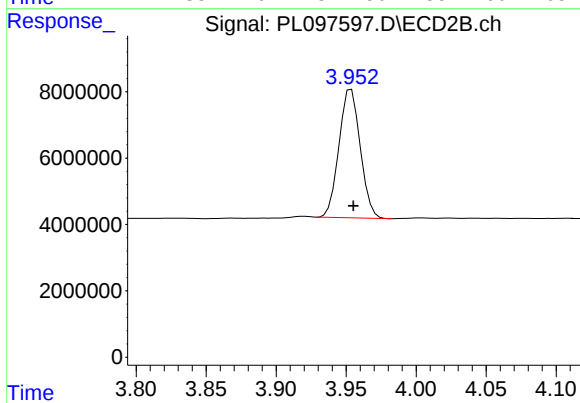
#3 gamma-BHC (Lindane)

R.T.: 3.658 min  
Delta R.T.: -0.002 min  
Response: 89857619  
Conc: 9.78 ng/ml



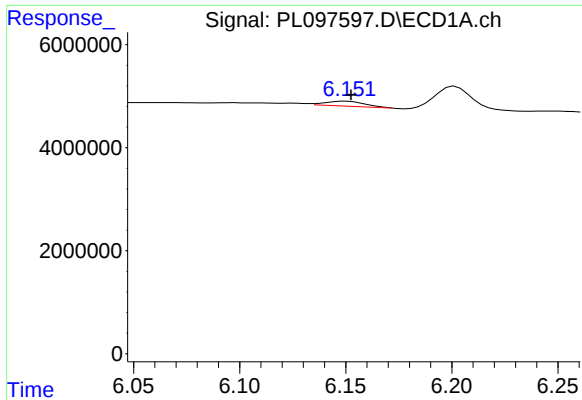
#6 beta-BHC

R.T.: 4.486 min  
Delta R.T.: -0.002 min  
Response: 30056953  
Conc: 11.63 ng/ml



#6 beta-BHC

R.T.: 3.954 min  
Delta R.T.: -0.002 min  
Response: 40955508  
Conc: 10.30 ng/ml



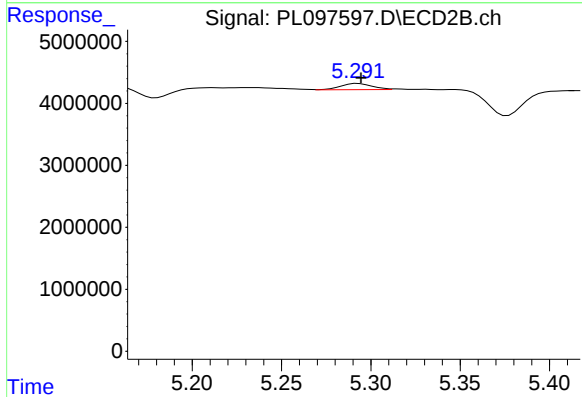
#12 4,4'-DDE

R.T.: 6.151 min  
Delta R.T.: -0.002 min  
Response: 1209776  
Conc: 0.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

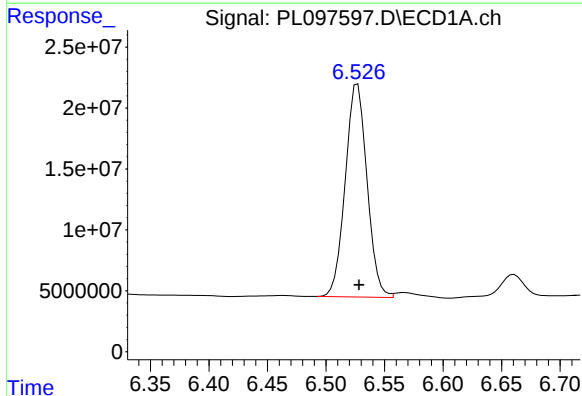
Manual Integrations  
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Supervised By :mohammad ahmed 10/16/2025



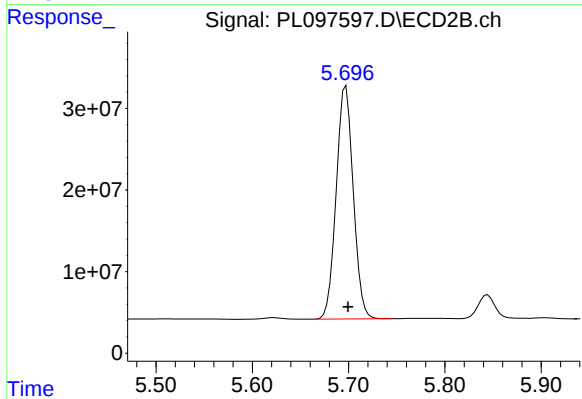
#12 4,4'-DDE

R.T.: 5.291 min  
Delta R.T.: -0.003 min  
Response: 1222782  
Conc: 0.16 ng/ml m



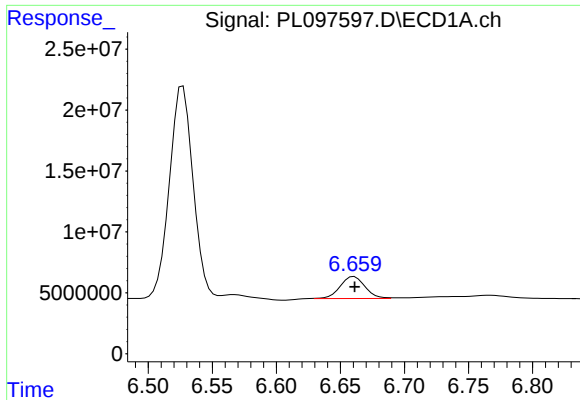
#14 Endrin

R.T.: 6.527 min  
Delta R.T.: -0.001 min  
Response: 226250559  
Conc: 50.57 ng/ml



#14 Endrin

R.T.: 5.697 min  
Delta R.T.: -0.002 min  
Response: 350884590  
Conc: 47.41 ng/ml



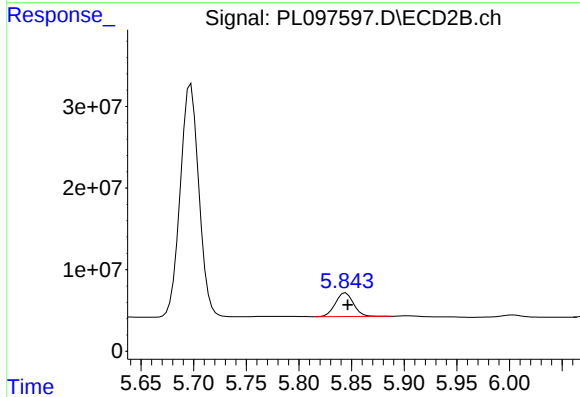
#16 4,4'-DDD

R.T.: 6.659 min  
Delta R.T.: -0.002 min  
Response: 24153794  
Conc: 6.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

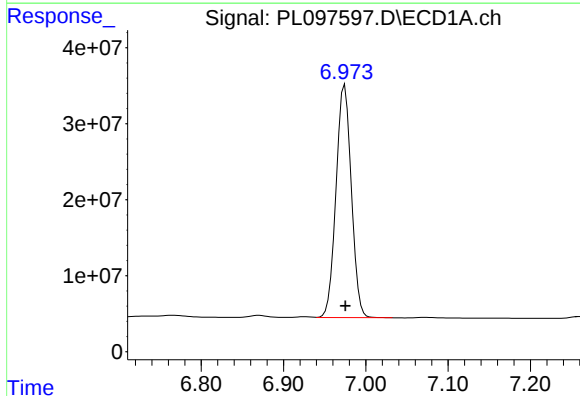
Manual Integrations  
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Supervised By :mohammad ahmed 10/16/2025



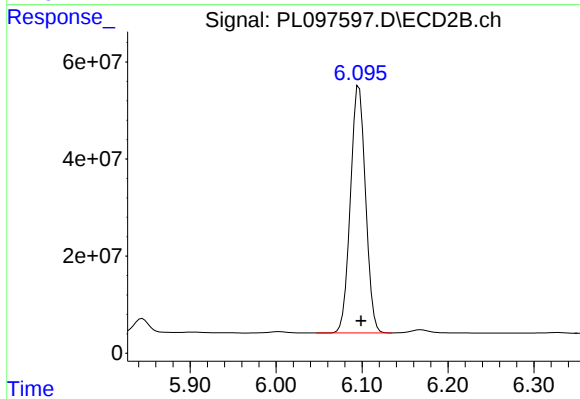
#16 4,4'-DDD

R.T.: 5.844 min  
Delta R.T.: -0.002 min  
Response: 34915254  
Conc: 5.47 ng/ml



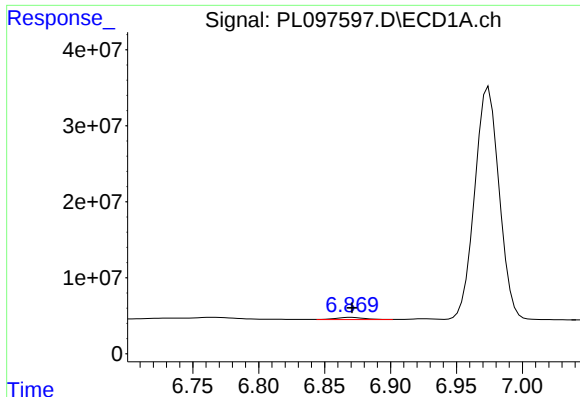
#17 4,4'-DDT

R.T.: 6.974 min  
Delta R.T.: 0.000 min  
Response: 395891220  
Conc: 97.64 ng/ml



#17 4,4'-DDT

R.T.: 6.097 min  
Delta R.T.: -0.002 min  
Response: 624542429  
Conc: 93.73 ng/ml



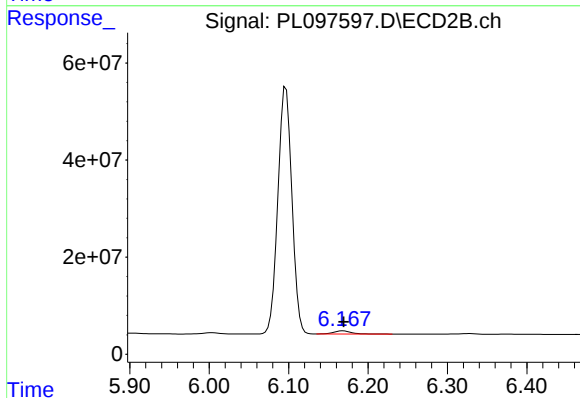
#18 Endrin aldehyde

R.T.: 6.869 min  
Delta R.T.: -0.002 min  
Response: 4045275  
Conc: 1.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

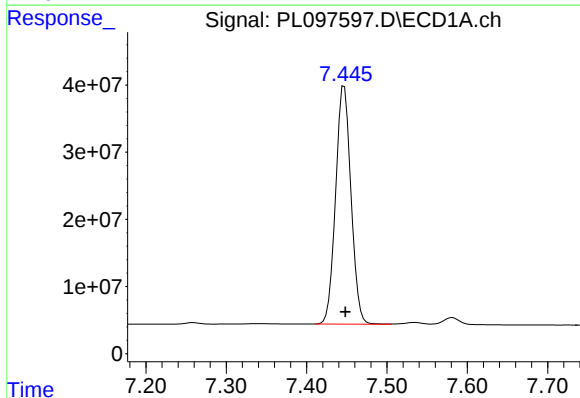
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



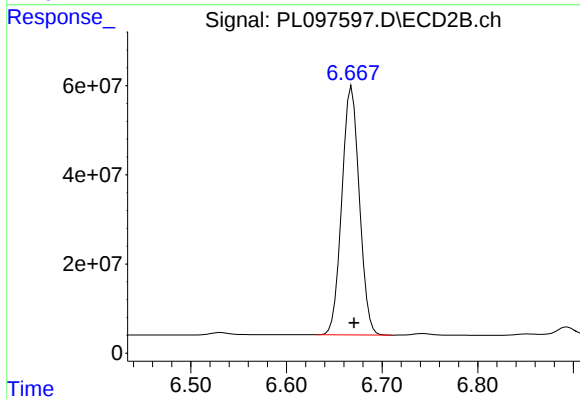
#18 Endrin aldehyde

R.T.: 6.168 min  
Delta R.T.: -0.001 min  
Response: 10218900  
Conc: 1.77 ng/ml



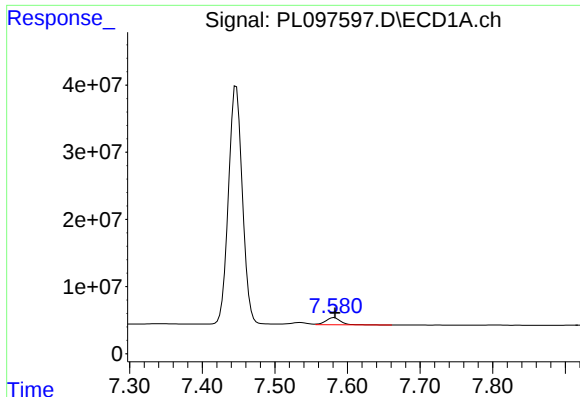
#20 Methoxychlor

R.T.: 7.447 min  
Delta R.T.: -0.001 min  
Response: 472113386  
Conc: 226.00 ng/ml



#20 Methoxychlor

R.T.: 6.668 min  
Delta R.T.: -0.002 min  
Response: 711001149  
Conc: 195.05 ng/ml



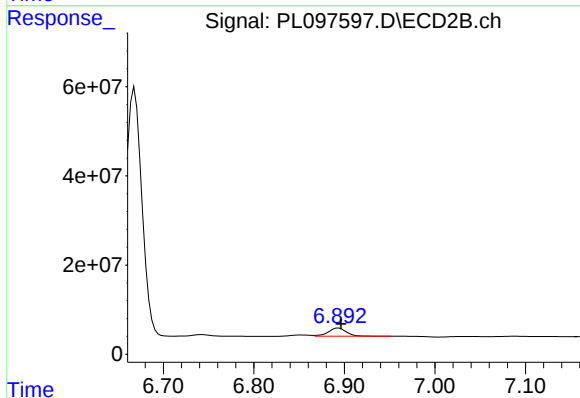
#21 Endrin ketone

R.T.: 7.581 min  
Delta R.T.: -0.002 min  
Response: 14663100  
Conc: 3.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

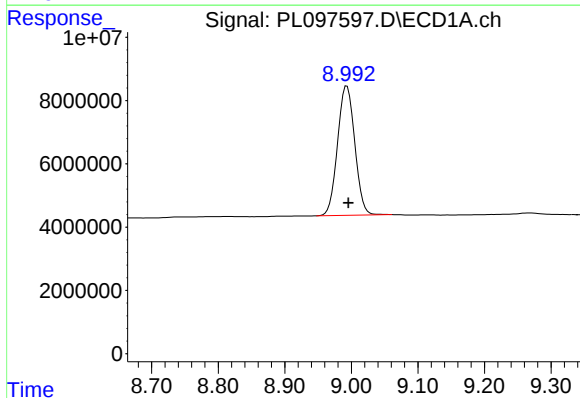
Manual Integrations  
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Supervised By :mohammad ahmed 10/16/2025



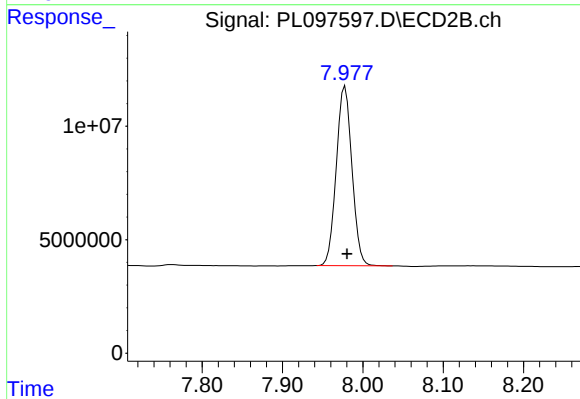
#21 Endrin ketone

R.T.: 6.894 min  
Delta R.T.: -0.003 min  
Response: 25855603  
Conc: 3.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.993 min  
Delta R.T.: -0.002 min  
Response: 73476339  
Conc: 24.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.978 min  
Delta R.T.: -0.002 min  
Response: 107136403  
Conc: 20.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097525.D  
Acq On : 07 Oct 2025 10:20  
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\PL100725.M  
Title : GC Extractables  
Last Update : Tue Oct 07 16:47:00 2025  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.525 | 5.641 | 100.00%    |
| 5.641 | 5.902 | 100.00%    |
| 5.902 | 6.030 | 100.00%    |
| 6.030 | 6.153 | 100.00%    |
| 6.153 | 6.302 | 100.00%    |
| 6.302 | 7.104 | 100.00%    |
| 7.104 | 7.448 | 100.00%    |
| 7.448 | 7.583 | 100.00%    |
| 7.583 | 8.995 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.822 | 5.041 | 100.00% |
| 5.041 | 5.160 | 100.00% |
| 5.160 | 5.294 | 100.00% |
| 5.294 | 5.424 | 100.00% |
| 5.424 | 5.512 | 100.00% |
| 5.512 | 6.392 | 100.00% |
| 6.392 | 6.671 | 100.00% |
| 6.671 | 6.897 | 100.00% |
| 6.897 | 7.980 | 100.00% |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
 Data File : PL097525.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Oct 2025 10:20  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RESCHK

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 14:33:49 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 14:32:10 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.525 | 2.822 | 67646467 | 105.4E6  | 16.593  | 17.318   |
| 28)                         | SA Decachlor... | 8.995 | 7.980 | 53782225 | 94354815 | 18.086  | 18.183   |
| Target Compounds            |                 |       |       |          |          |         |          |
| 9)                          | A Endosulfan I  | 6.030 | 5.160 | 37441659 | 54613982 | 7.531   | 7.406    |
| 10)                         | B gamma-Chl...  | 5.901 | 5.040 | 42248410 | 70420527 | 7.784m  | 8.101m   |
| 12)                         | B 4,4'-DDE      | 6.153 | 5.294 | 73113637 | 119.8E6  | 15.699  | 15.775   |
| 13)                         | MA Dieldrin     | 6.302 | 5.423 | 81772577 | 129.6E6  | 15.545  | 15.671m  |
| 19)                         | B Endosulfa...  | 7.104 | 6.392 | 64771841 | 109.8E6  | 16.153  | 16.490   |
| 20)                         | A Methoxychlor  | 7.447 | 6.671 | 169.8E6  | 281.1E6  | 81.276m | 77.102   |
| 21)                         | B Endrin ke...  | 7.583 | 6.897 | 67408282 | 175.3E6  | 15.743  | 22.187 # |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097525.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 10:20  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

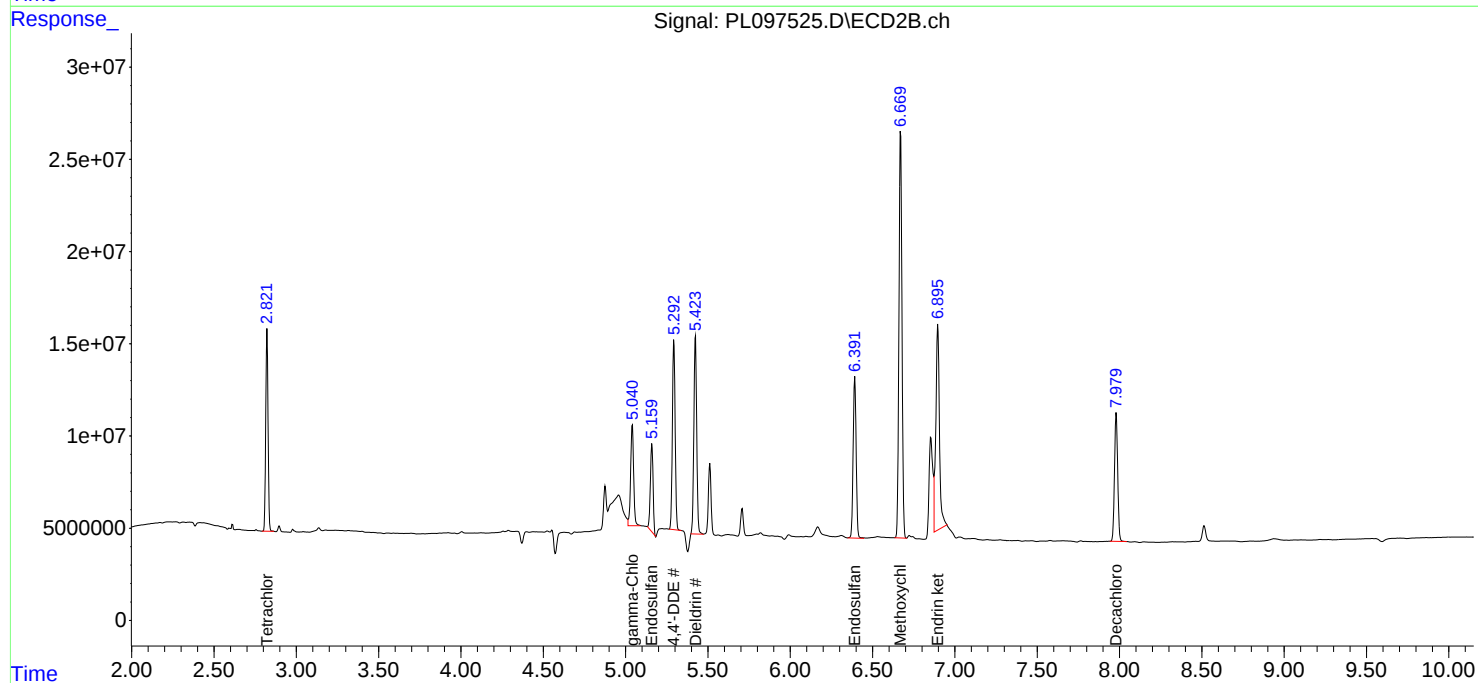
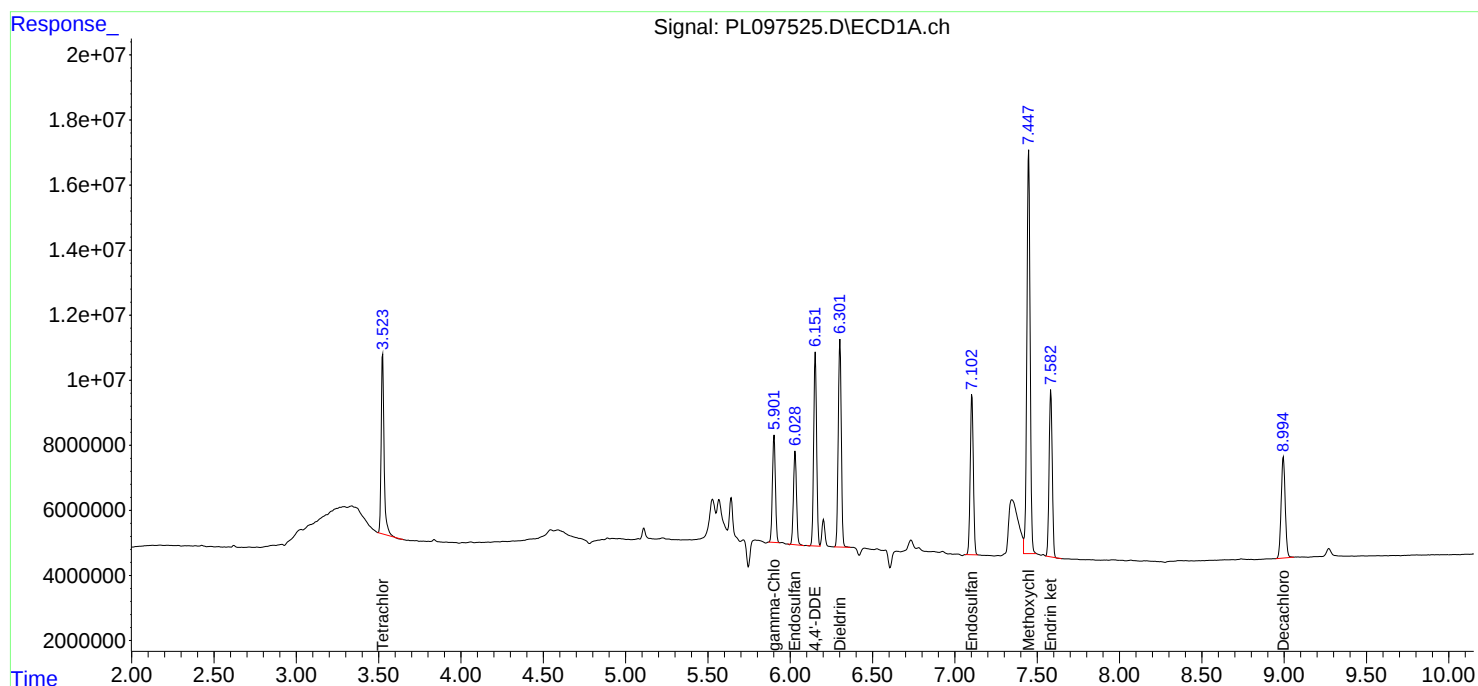
Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

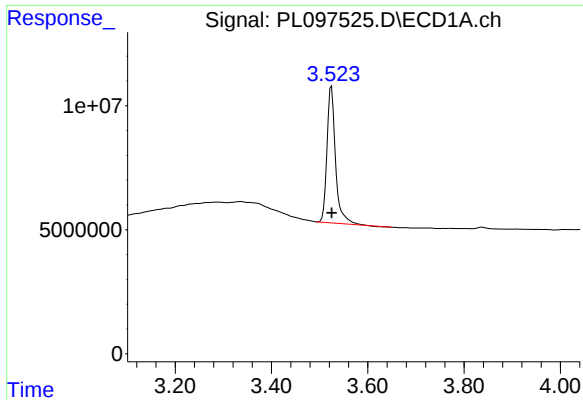
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 14:33:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 14:32:10 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





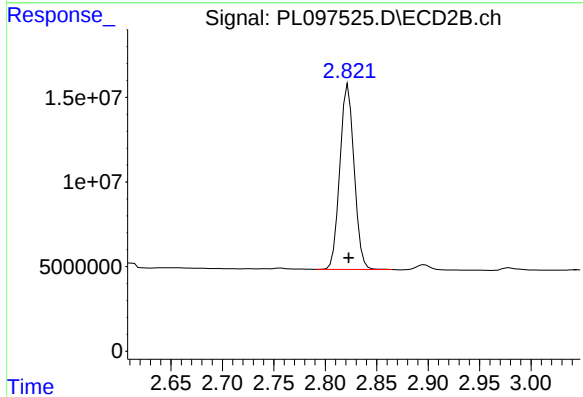
#1 Tetrachloro-m-xylene

R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 67646467  
Conc: 16.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

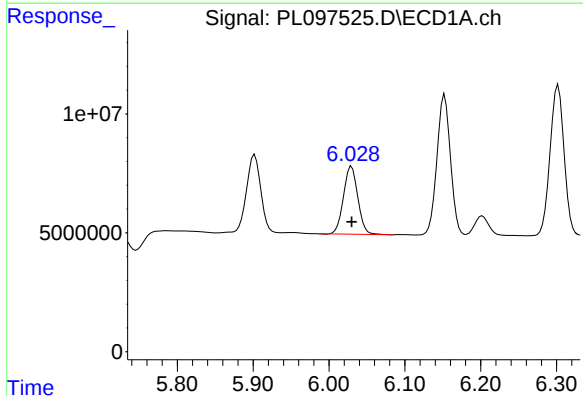
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



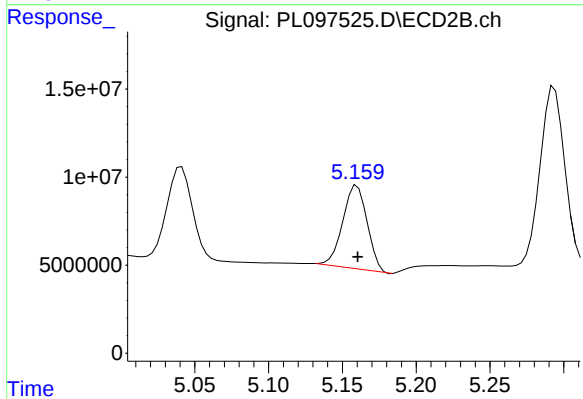
#1 Tetrachloro-m-xylene

R.T.: 2.822 min  
Delta R.T.: 0.000 min  
Response: 105407248  
Conc: 17.32 ng/ml



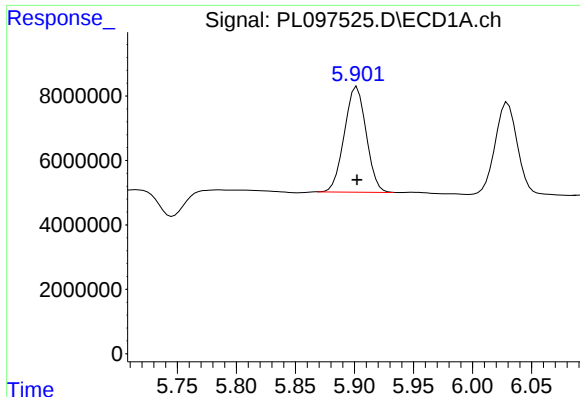
#9 Endosulfan I

R.T.: 6.030 min  
Delta R.T.: 0.000 min  
Response: 37441659  
Conc: 7.53 ng/ml



#9 Endosulfan I

R.T.: 5.160 min  
Delta R.T.: 0.000 min  
Response: 54613982  
Conc: 7.41 ng/ml



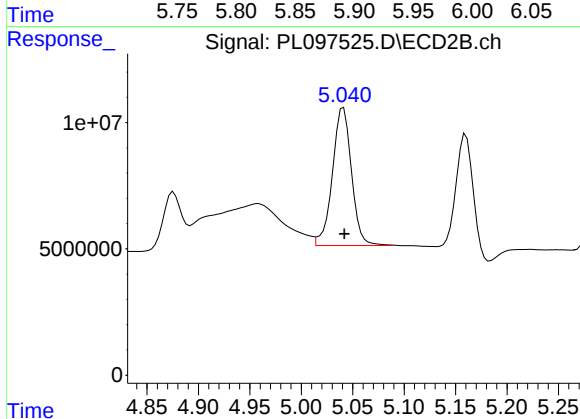
#10 gamma-Chlordane

R.T.: 5.901 min  
Delta R.T.: -0.001 min  
Response: 42248410  
Conc: 7.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

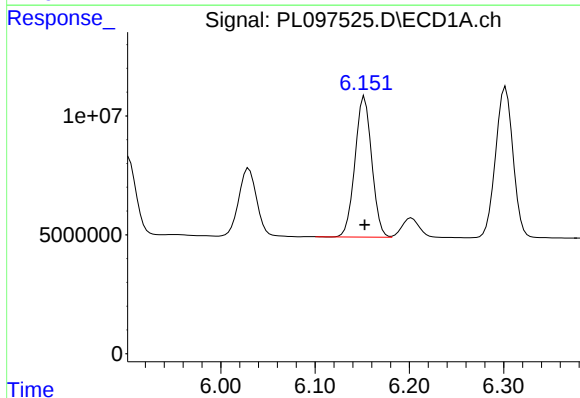
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



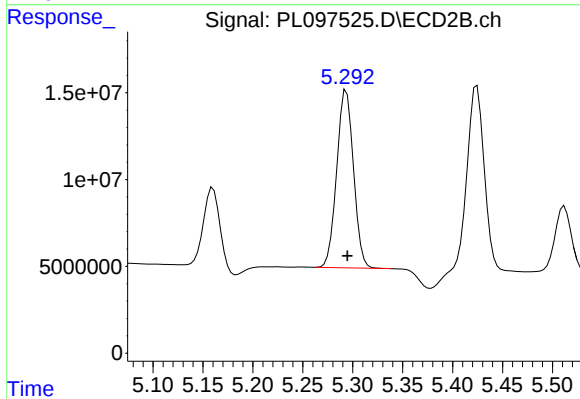
#10 gamma-Chlordane

R.T.: 5.040 min  
Delta R.T.: -0.002 min  
Response: 70420527  
Conc: 8.10 ng/ml m



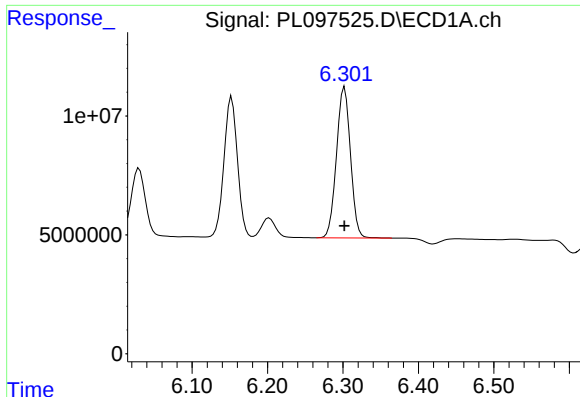
#12 4,4'-DDE

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 73113637  
Conc: 15.70 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min  
Delta R.T.: 0.000 min  
Response: 119768689  
Conc: 15.77 ng/ml



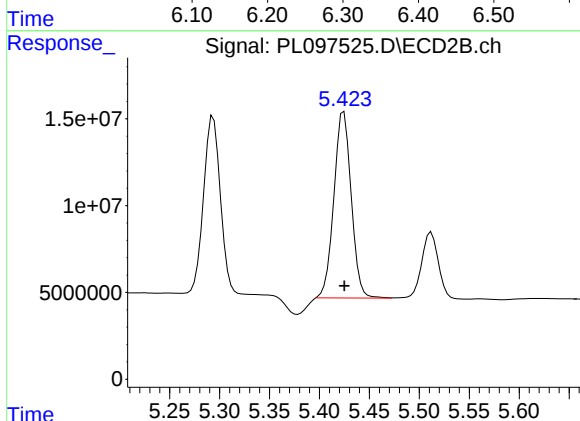
#13 Dieldrin

R.T.: 6.302 min  
Delta R.T.: 0.000 min  
Response: 81772577  
Conc: 15.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

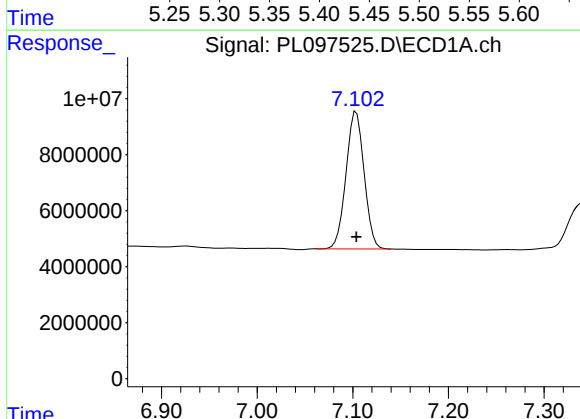
Manual Integrations  
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Supervised By :mohammad ahmed 10/09/2025



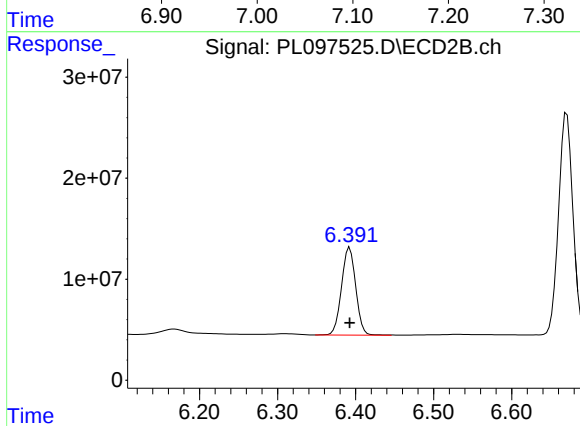
#13 Dieldrin

R.T.: 5.423 min  
Delta R.T.: -0.002 min  
Response: 129569176  
Conc: 15.67 ng/ml m



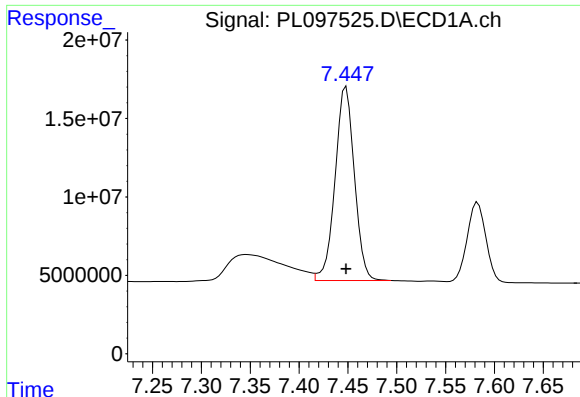
#19 Endosulfan Sulfate

R.T.: 7.104 min  
Delta R.T.: 0.000 min  
Response: 64771841  
Conc: 16.15 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.392 min  
Delta R.T.: 0.000 min  
Response: 109788002  
Conc: 16.49 ng/ml



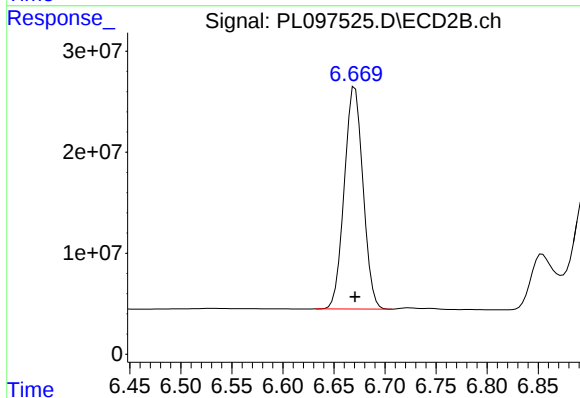
#20 Methoxychlor

R.T.: 7.447 min  
Delta R.T.: -0.001 min  
Response: 169785396  
Conc: 81.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

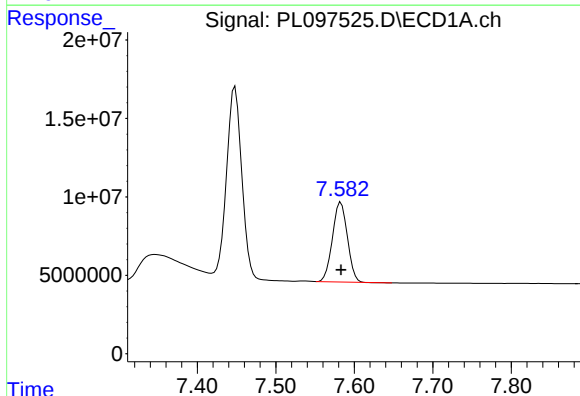
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



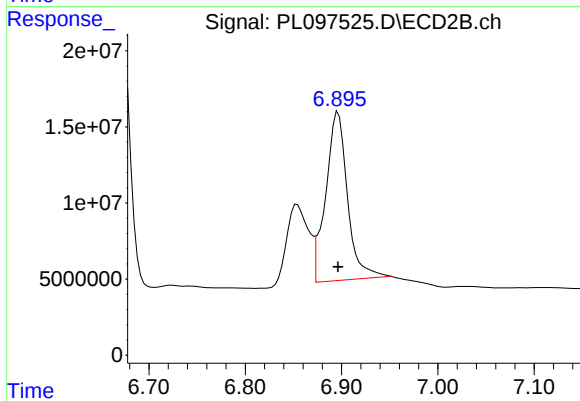
#20 Methoxychlor

R.T.: 6.671 min  
Delta R.T.: 0.000 min  
Response: 281053913  
Conc: 77.10 ng/ml



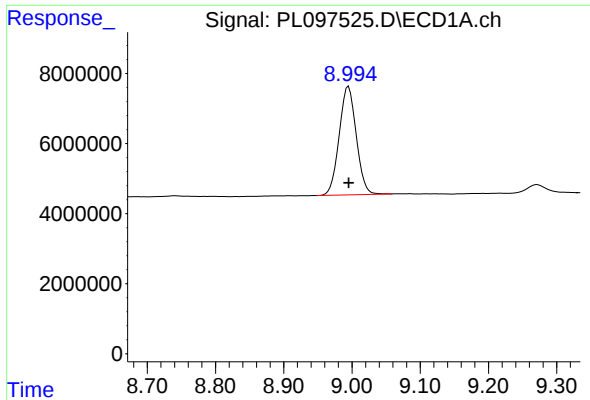
#21 Endrin ketone

R.T.: 7.583 min  
Delta R.T.: 0.000 min  
Response: 67408282  
Conc: 15.74 ng/ml



#21 Endrin ketone

R.T.: 6.897 min  
Delta R.T.: 0.000 min  
Response: 175275409  
Conc: 22.19 ng/ml



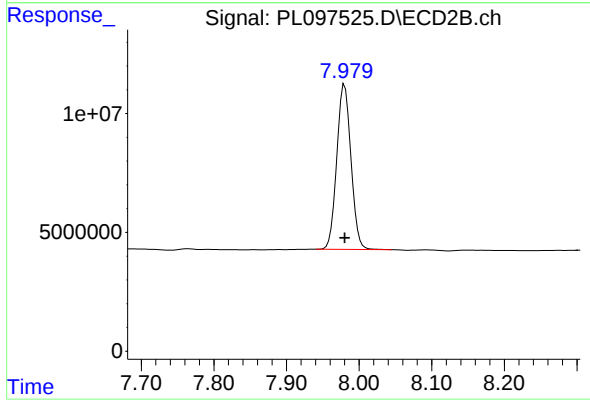
#28 Decachlorobiphenyl

R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 53782225  
Conc: 18.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/08/2025  
Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min  
Delta R.T.: 0.000 min  
Response: 94354815  
Conc: 18.18 ng/ml

## Analytical Sequence

**Client:** Weston Solutions, Inc.

**SDG No.:** Q3321

**Project:** RFP 918

**Instrument ID:** ECD\_L

**GC Column:** ZB-MR1

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 10/07/2025 10/07/2025

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

| CLIENT ID    | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|--------------|------------------|------------------|------------------|------------|-------------|-------------|
| LBLK         | LBLK             | 10/07/2025       | 09:53            | PL097523.D | 9.00        | 3.52        |
| PEM          | PEM              | 10/07/2025       | 10:06            | PL097524.D | 9.00        | 3.53        |
| RESCHK       | RESCHK           | 10/07/2025       | 10:20            | PL097525.D | 9.00        | 3.53        |
| PSTDICCC100  | PSTDICCC100      | 10/07/2025       | 10:33            | PL097526.D | 9.00        | 3.53        |
| PSTDICCC075  | PSTDICCC075      | 10/07/2025       | 10:47            | PL097527.D | 9.00        | 3.52        |
| PSTDICCC050  | PSTDICCC050      | 10/07/2025       | 11:00            | PL097528.D | 9.00        | 3.53        |
| PSTDICCC025  | PSTDICCC025      | 10/07/2025       | 11:41            | PL097529.D | 9.00        | 3.53        |
| PSTDICCC005  | PSTDICCC005      | 10/07/2025       | 11:55            | PL097530.D | 9.00        | 3.53        |
| PCHLORICC500 | PCHLORICC500     | 10/07/2025       | 13:05            | PL097533.D | 9.00        | 3.52        |
| PTOXICC500   | PTOXICC500       | 10/07/2025       | 14:13            | PL097538.D | 9.00        | 3.53        |
| LBLK         | LBLK             | 10/10/2025       | 10:11            | PL097596.D | 8.99        | 3.52        |
| PEM          | PEM              | 10/10/2025       | 10:24            | PL097597.D | 8.99        | 3.52        |
| PSTDCCC050   | PSTDCCC050       | 10/10/2025       | 13:05            | PL097598.D | 9.00        | 3.52        |
| PB170054BL   | PB170054BL       | 10/10/2025       | 13:44            | PL097599.D | 9.00        | 3.53        |
| SS-01-0-1MS  | Q3310-01MS       | 10/10/2025       | 14:25            | PL097602.D | 8.99        | 3.52        |
| SS-01-0-1MSD | Q3310-01MSD      | 10/10/2025       | 14:38            | PL097603.D | 8.99        | 3.52        |
| P001-DS-01   | Q3321-01         | 10/10/2025       | 15:05            | PL097605.D | 8.99        | 3.53        |
| PB170054BS   | PB170054BS       | 10/10/2025       | 16:51            | PL097608.D | 9.00        | 3.52        |
| LBLK         | LBLK             | 10/10/2025       | 17:07            | PL097609.D | 9.00        | 3.52        |
| PSTDCCC050   | PSTDCCC050       | 10/10/2025       | 17:20            | PL097610.D | 8.99        | 3.52        |

## Analytical Sequence

**Client:** Weston Solutions, Inc.

**SDG No.:** Q3321

**Project:** RFP 918

**Instrument ID:** ECD\_L

**GC Column:** ZB-MR2

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 10/07/2025 10/07/2025

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

| CLIENT ID    | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|--------------|------------------|------------------|------------------|------------|-------------|-------------|
| LBLK         | LBLK             | 10/07/2025       | 09:53            | PL097523.D | 7.98        | 2.82        |
| PEM          | PEM              | 10/07/2025       | 10:06            | PL097524.D | 7.98        | 2.82        |
| RESCHK       | RESCHK           | 10/07/2025       | 10:20            | PL097525.D | 7.98        | 2.82        |
| PSTDICC100   | PSTDICC100       | 10/07/2025       | 10:33            | PL097526.D | 7.98        | 2.82        |
| PSTDICC075   | PSTDICC075       | 10/07/2025       | 10:47            | PL097527.D | 7.98        | 2.82        |
| PSTDICC050   | PSTDICC050       | 10/07/2025       | 11:00            | PL097528.D | 7.98        | 2.82        |
| PSTDICC025   | PSTDICC025       | 10/07/2025       | 11:41            | PL097529.D | 7.98        | 2.82        |
| PSTDICC005   | PSTDICC005       | 10/07/2025       | 11:55            | PL097530.D | 7.98        | 2.82        |
| PCHLORICC500 | PCHLORICC500     | 10/07/2025       | 13:05            | PL097533.D | 7.98        | 2.82        |
| PTOXICC500   | PTOXICC500       | 10/07/2025       | 14:13            | PL097538.D | 7.98        | 2.82        |
| LBLK         | LBLK             | 10/10/2025       | 10:11            | PL097596.D | 7.98        | 2.82        |
| PEM          | PEM              | 10/10/2025       | 10:24            | PL097597.D | 7.98        | 2.82        |
| PSTDCCC050   | PSTDCCC050       | 10/10/2025       | 13:05            | PL097598.D | 7.98        | 2.82        |
| PB170054BL   | PB170054BL       | 10/10/2025       | 13:44            | PL097599.D | 7.98        | 2.82        |
| SS-01-0-1MS  | Q3310-01MS       | 10/10/2025       | 14:25            | PL097602.D | 7.98        | 2.82        |
| SS-01-0-1MSD | Q3310-01MSD      | 10/10/2025       | 14:38            | PL097603.D | 7.98        | 2.82        |
| P001-DS-01   | Q3321-01         | 10/10/2025       | 15:05            | PL097605.D | 7.98        | 2.82        |
| PB170054BS   | PB170054BS       | 10/10/2025       | 16:51            | PL097608.D | 7.98        | 2.82        |
| LBLK         | LBLK             | 10/10/2025       | 17:07            | PL097609.D | 7.98        | 2.82        |
| PSTDCCC050   | PSTDCCC050       | 10/10/2025       | 17:20            | PL097610.D | 7.98        | 2.82        |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**P001-DS-01**

**Lab Name:** Alliance

**Contract:** ROYF02

**Lab Code:** ACE

**SDG NO.:** Q3321

**Lab Sample ID:** Q3321-01

**Date(s) Analyzed:** 10/10/2025 10/10/2025

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

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

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------|-----|------|-----------|------|---------------|------|
|         |     |      | FROM      | TO   |               |      |
| Endrin  | 1   | 6.53 | 6.48      | 6.58 | 0.71          | 82.5 |
|         | 2   | 5.71 | 5.66      | 5.76 | 0.29          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170054BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170054BS

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.74 | 6.69      | 6.79 | 17.8          | 0.6  |
|                     | 2   | 5.99 | 5.94      | 6.04 | 17.7          |      |
| Endrin aldehyde     | 1   | 6.87 | 6.82      | 6.92 | 18.8          | 17.3 |
|                     | 2   | 6.17 | 6.12      | 6.22 | 15.8          |      |
| Endosulfan sulfate  | 1   | 7.10 | 7.05      | 7.15 | 18.7          | 8.4  |
|                     | 2   | 6.39 | 6.34      | 6.44 | 17.2          |      |
| Methoxychlor        | 1   | 7.45 | 7.40      | 7.50 | 16.6          | 10.1 |
|                     | 2   | 6.67 | 6.62      | 6.72 | 15.0          |      |
| Endrin ketone       | 1   | 7.58 | 7.53      | 7.63 | 19.1          | 17   |
|                     | 2   | 6.90 | 6.85      | 6.95 | 16.1          |      |
| gamma-BHC (Lindane) | 1   | 4.30 | 4.25      | 4.35 | 19.7          | 2.6  |
|                     | 2   | 3.66 | 3.61      | 3.71 | 19.2          |      |
| Heptachlor          | 1   | 4.89 | 4.84      | 4.94 | 18.6          | 2.2  |
|                     | 2   | 4.00 | 3.95      | 4.05 | 18.2          |      |
| delta-BHC           | 1   | 4.73 | 4.68      | 4.78 | 19.5          | 2.1  |
|                     | 2   | 4.19 | 4.14      | 4.24 | 19.1          |      |
| Heptachlor epoxide  | 1   | 5.65 | 5.60      | 5.70 | 18.1          | 6.9  |
|                     | 2   | 4.79 | 4.74      | 4.84 | 19.4          |      |
| Endosulfan I        | 1   | 6.03 | 5.98      | 6.08 | 19.1          | 4.3  |
|                     | 2   | 5.16 | 5.11      | 5.21 | 18.3          |      |
| gamma-Chlordane     | 1   | 5.90 | 5.85      | 5.95 | 19.4          | 9.2  |
|                     | 2   | 5.04 | 4.99      | 5.09 | 17.7          |      |
| Dieldrin            | 1   | 6.30 | 6.25      | 6.35 | 19.3          | 8.1  |
|                     | 2   | 5.42 | 5.37      | 5.47 | 17.8          |      |
| Endrin              | 1   | 6.53 | 6.48      | 6.58 | 17.9          | 7.5  |
|                     | 2   | 5.70 | 5.65      | 5.75 | 16.6          |      |
| 4,4'-DDD            | 1   | 6.66 | 6.61      | 6.71 | 20.5          | 9.2  |
|                     | 2   | 5.85 | 5.80      | 5.90 | 18.7          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PB170054BS**

**Lab Name:** Alliance

**Contract:** ROYF02

**Lab Code:** ACE

**SDG NO.:** Q3321

**Lab Sample ID:** PB170054BS

**Date(s) Analyzed:** 10/10/2025 10/10/2025

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

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

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| 4,4'-DDT        | 1   | 6.98 | 6.93      | 7.03 | 17.6          | 7.7  |
|                 | 2   | 6.10 | 6.05      | 6.15 | 16.3          |      |
| alpha-BHC       | 1   | 3.97 | 3.92      | 4.02 | 19.7          | 1.5  |
|                 | 2   | 3.33 | 3.28      | 3.38 | 19.4          |      |
| Aldrin          | 1   | 5.23 | 5.18      | 5.28 | 19.3          | 2.6  |
|                 | 2   | 4.29 | 4.24      | 4.34 | 18.8          |      |
| beta-BHC        | 1   | 4.49 | 4.44      | 4.54 | 19.8          | 7.9  |
|                 | 2   | 3.95 | 3.90      | 4.00 | 18.3          |      |
| alpha-Chlordane | 1   | 5.98 | 5.93      | 6.03 | 19.0          | 6    |
|                 | 2   | 5.10 | 5.05      | 5.15 | 17.9          |      |
| 4,4'-DDE        | 1   | 6.15 | 6.10      | 6.20 | 19.8          | 6.8  |
|                 | 2   | 5.29 | 5.24      | 5.34 | 18.5          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3310-01MS

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| 4,4'-DDD            | 1   | 6.66 | 6.61      | 6.71 | 23.9          | 40.8 |
|                     | 2   | 5.85 | 5.80      | 5.90 | 15.8          |      |
| 4,4'-DDT            | 1   | 6.97 | 6.92      | 7.02 | 22.9          | 23.4 |
|                     | 2   | 6.10 | 6.05      | 6.15 | 18.1          |      |
| alpha-BHC           | 1   | 3.97 | 3.92      | 4.02 | 19.8          | 12.9 |
|                     | 2   | 3.33 | 3.28      | 3.38 | 17.4          |      |
| Aldrin              | 1   | 5.23 | 5.18      | 5.28 | 19.6          | 13.6 |
|                     | 2   | 4.29 | 4.24      | 4.34 | 17.1          |      |
| beta-BHC            | 1   | 4.49 | 4.44      | 4.54 | 18.3          | 13.4 |
|                     | 2   | 3.95 | 3.90      | 4.00 | 16.0          |      |
| alpha-Chlordane     | 1   | 5.98 | 5.93      | 6.03 | 23.6          | 28   |
|                     | 2   | 5.10 | 5.05      | 5.15 | 17.8          |      |
| 4,4'-DDE            | 1   | 6.15 | 6.10      | 6.20 | 20.3          | 22.5 |
|                     | 2   | 5.29 | 5.24      | 5.34 | 16.2          |      |
| Endosulfan II       | 1   | 6.74 | 6.69      | 6.79 | 17.9          | 9.4  |
|                     | 2   | 5.99 | 5.94      | 6.04 | 16.3          |      |
| Endrin aldehyde     | 1   | 6.87 | 6.82      | 6.92 | 19.7          | 23.9 |
|                     | 2   | 6.17 | 6.12      | 6.22 | 15.5          |      |
| Endosulfan sulfate  | 1   | 7.10 | 7.05      | 7.15 | 23.3          | 6.7  |
|                     | 2   | 6.39 | 6.34      | 6.44 | 21.8          |      |
| Methoxychlor        | 1   | 7.45 | 7.40      | 7.50 | 25.8          | 34.5 |
|                     | 2   | 6.67 | 6.62      | 6.72 | 18.2          |      |
| Endrin ketone       | 1   | 7.58 | 7.53      | 7.63 | 22.8          | 54   |
|                     | 2   | 6.90 | 6.85      | 6.95 | 13.1          |      |
| gamma-BHC (Lindane) | 1   | 4.30 | 4.25      | 4.35 | 19.9          | 6.8  |
|                     | 2   | 3.66 | 3.61      | 3.71 | 18.6          |      |
| Heptachlor          | 1   | 4.89 | 4.84      | 4.94 | 19.9          | 17.5 |
|                     | 2   | 4.01 | 3.96      | 4.06 | 16.7          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**SS-01-0-1MS**

**Lab Name:** Alliance

**Contract:** ROYF02

**Lab Code:** ACE

**SDG NO.:** Q3321

**Lab Sample ID:** Q3310-01MS

**Date(s) Analyzed:** 10/10/2025 10/10/2025

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

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

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| delta-BHC          | 1   | 4.73 | 4.68      | 4.78 | 21.0          | 19.3 |
|                    | 2   | 4.19 | 4.14      | 4.24 | 17.3          |      |
| Heptachlor epoxide | 1   | 5.65 | 5.60      | 5.70 | 20.5          | 20.4 |
|                    | 2   | 4.79 | 4.74      | 4.84 | 16.7          |      |
| Endosulfan I       | 1   | 6.03 | 5.98      | 6.08 | 20.5          | 24   |
|                    | 2   | 5.16 | 5.11      | 5.21 | 16.1          |      |
| gamma-Chlordane    | 1   | 5.90 | 5.85      | 5.95 | 24.6          | 16.7 |
|                    | 2   | 5.04 | 4.99      | 5.09 | 20.8          |      |
| Dieldrin           | 1   | 6.30 | 6.25      | 6.35 | 24.6          | 25.7 |
|                    | 2   | 5.42 | 5.37      | 5.47 | 19.0          |      |
| Endrin             | 1   | 6.53 | 6.48      | 6.58 | 19.7          | 24.5 |
|                    | 2   | 5.70 | 5.65      | 5.75 | 15.4          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3310-01MSD

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.74 | 6.69      | 6.79 | 18.3          | 8    |
|                     | 2   | 5.99 | 5.94      | 6.04 | 16.9          |      |
| 4,4'-DDD            | 1   | 6.66 | 6.61      | 6.71 | 25.4          | 43.1 |
|                     | 2   | 5.85 | 5.80      | 5.90 | 16.4          |      |
| 4,4'-DDT            | 1   | 6.97 | 6.92      | 7.02 | 24.1          | 24.2 |
|                     | 2   | 6.10 | 6.05      | 6.15 | 18.9          |      |
| Endrin aldehyde     | 1   | 6.87 | 6.82      | 6.92 | 20.8          | 27.3 |
|                     | 2   | 6.17 | 6.12      | 6.22 | 15.8          |      |
| Endosulfan sulfate  | 1   | 7.10 | 7.05      | 7.15 | 24.8          | 9.3  |
|                     | 2   | 6.39 | 6.34      | 6.44 | 22.6          |      |
| Methoxychlor        | 1   | 7.45 | 7.40      | 7.50 | 27.2          | 35   |
|                     | 2   | 6.67 | 6.62      | 6.72 | 19.1          |      |
| Endrin ketone       | 1   | 7.58 | 7.53      | 7.63 | 24.0          | 56   |
|                     | 2   | 6.90 | 6.85      | 6.95 | 13.5          |      |
| alpha-BHC           | 1   | 3.97 | 3.92      | 4.02 | 21.4          | 14   |
|                     | 2   | 3.33 | 3.28      | 3.38 | 18.6          |      |
| gamma-BHC (Lindane) | 1   | 4.30 | 4.25      | 4.35 | 21.5          | 8.2  |
|                     | 2   | 3.66 | 3.61      | 3.71 | 19.8          |      |
| Heptachlor          | 1   | 4.89 | 4.84      | 4.94 | 20.5          | 14.7 |
|                     | 2   | 4.01 | 3.96      | 4.06 | 17.7          |      |
| Aldrin              | 1   | 5.23 | 5.18      | 5.28 | 21.3          | 11.4 |
|                     | 2   | 4.29 | 4.24      | 4.34 | 19.0          |      |
| beta-BHC            | 1   | 4.49 | 4.44      | 4.54 | 19.5          | 16.7 |
|                     | 2   | 3.96 | 3.91      | 4.01 | 16.5          |      |
| delta-BHC           | 1   | 4.73 | 4.68      | 4.78 | 22.3          | 19.2 |
|                     | 2   | 4.19 | 4.14      | 4.24 | 18.4          |      |
| Heptachlor epoxide  | 1   | 5.65 | 5.60      | 5.70 | 21.4          | 19.5 |
|                     | 2   | 4.79 | 4.74      | 4.84 | 17.6          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

SS-01-0-1MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3310-01MSD

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.03 | 5.98      | 6.08 | 22.5          | 27.8 |
|                 | 2   | 5.16 | 5.11      | 5.21 | 17.0          |      |
| gamma-Chlordane | 1   | 5.90 | 5.85      | 5.95 | 24.8          | 12.4 |
|                 | 2   | 5.04 | 4.99      | 5.09 | 21.9          |      |
| alpha-Chlordane | 1   | 5.98 | 5.93      | 6.03 | 24.3          | 26   |
|                 | 2   | 5.11 | 5.06      | 5.16 | 18.7          |      |
| 4,4'-DDE        | 1   | 6.15 | 6.10      | 6.20 | 21.3          | 22.5 |
|                 | 2   | 5.29 | 5.24      | 5.34 | 17.0          |      |
| Dieldrin        | 1   | 6.30 | 6.25      | 6.35 | 27.5          | 32.1 |
|                 | 2   | 5.42 | 5.37      | 5.47 | 19.9          |      |
| Endrin          | 1   | 6.53 | 6.48      | 6.58 | 20.9          | 27.2 |
|                 | 2   | 5.70 | 5.65      | 5.75 | 15.9          |      |



# QC SAMPLE DATA

## Report of Analysis

|                    |                        |                    |                    |
|--------------------|------------------------|--------------------|--------------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    |                    |
| Project:           | RFP 918                | Date Received:     |                    |
| Client Sample ID:  | PB170054BL             | SDG No.:           | Q3321              |
| Lab Sample ID:     | PB170054BL             | Matrix:            | SOIL               |
| Analytical Method: | 8081B                  | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:              | Pesticide-TCL      |
| Extraction Type:   |                        | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :          |                    |                    |
| Prep Method :      | SW3541B                |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097599.D        | 1         | 10/10/25 09:06 | 10/10/25 13:44 | PB170054      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.13  | U         | 0.13     | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.18  | U         | 0.18     | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.39  | U         | 0.39     | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.12  | U         | 0.12     | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 0.12  | U         | 0.12     | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.19  | U         | 0.19     | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.29  | U         | 0.29     | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.15  | U         | 0.15     | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.13  | U         | 0.13     | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.37  | U         | 0.37     | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.19  | U         | 0.19     | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.37  | U         | 0.37     | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.12  | U         | 0.12     | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.15  | U         | 0.15     | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.40  | U         | 5.40     | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 20.6  |           | 20 - 144 | 103%       | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 18.6  |           | 19 - 148 | 93%        | SPK: 20           |

## Report of Analysis

|                    |                        |          |                    |               |           |
|--------------------|------------------------|----------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |          | Date Collected:    |               |           |
| Project:           | RFP 918                |          | Date Received:     |               |           |
| Client Sample ID:  | PB170054BL             |          | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | PB170054BL             |          | Matrix:            | SOIL          |           |
| Analytical Method: | 8081B                  |          | % Solid:           | 100           | Decanted: |
| Sample Wt/Vol:     | 30.02                  | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    | PH :     |                    |               |           |
| Prep Method :      | SW3541B                |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097599.D        | 1         | 10/10/25 09:06 | 10/10/25 13:44 | PB170054      |

| 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\PL101025\  
Data File : PL097599.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 13:44  
Operator : AR\AJ  
Sample : PB170054BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:18:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.525 | 2.819 | 75771760 | 103.0E6  | 18.586 | 16.926 |
| 28)                         | SA Decachlor... | 8.998 | 7.979 | 61337373 | 88329053 | 20.627 | 17.022 |

Target Compounds

-----

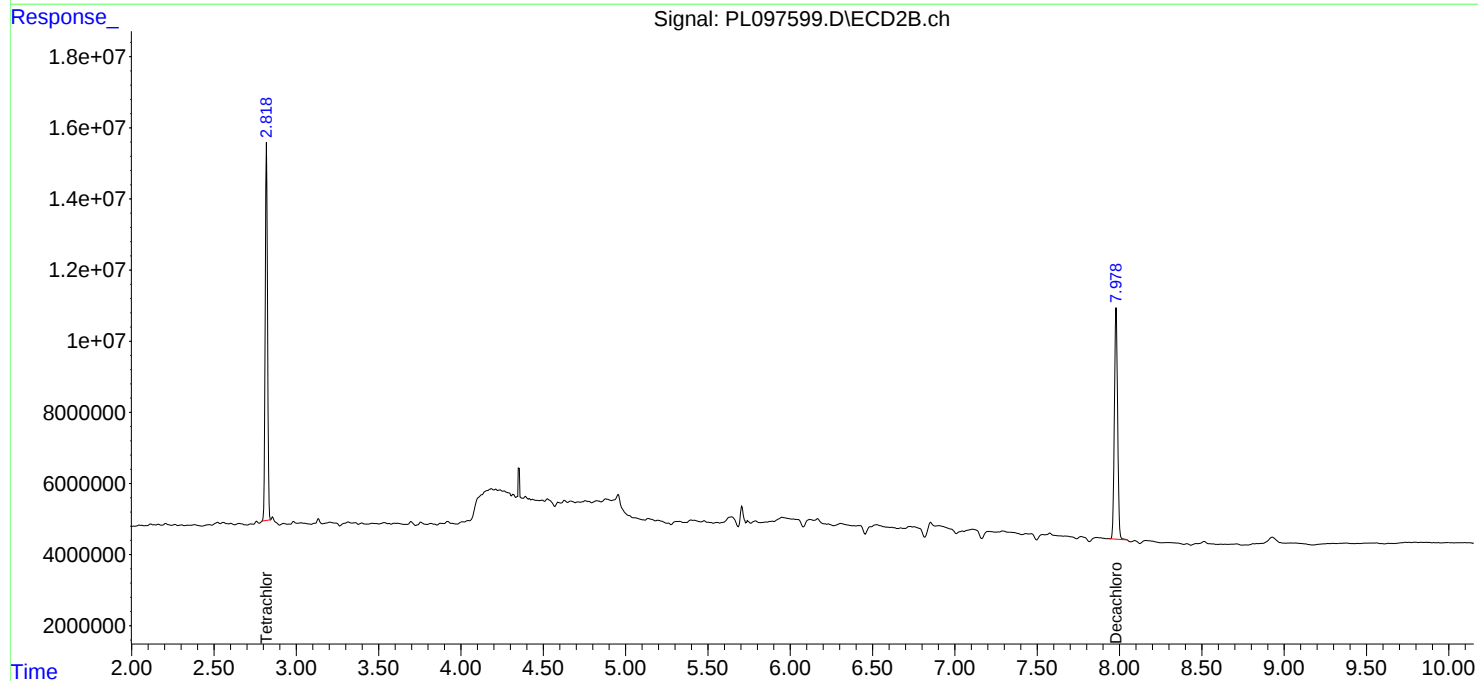
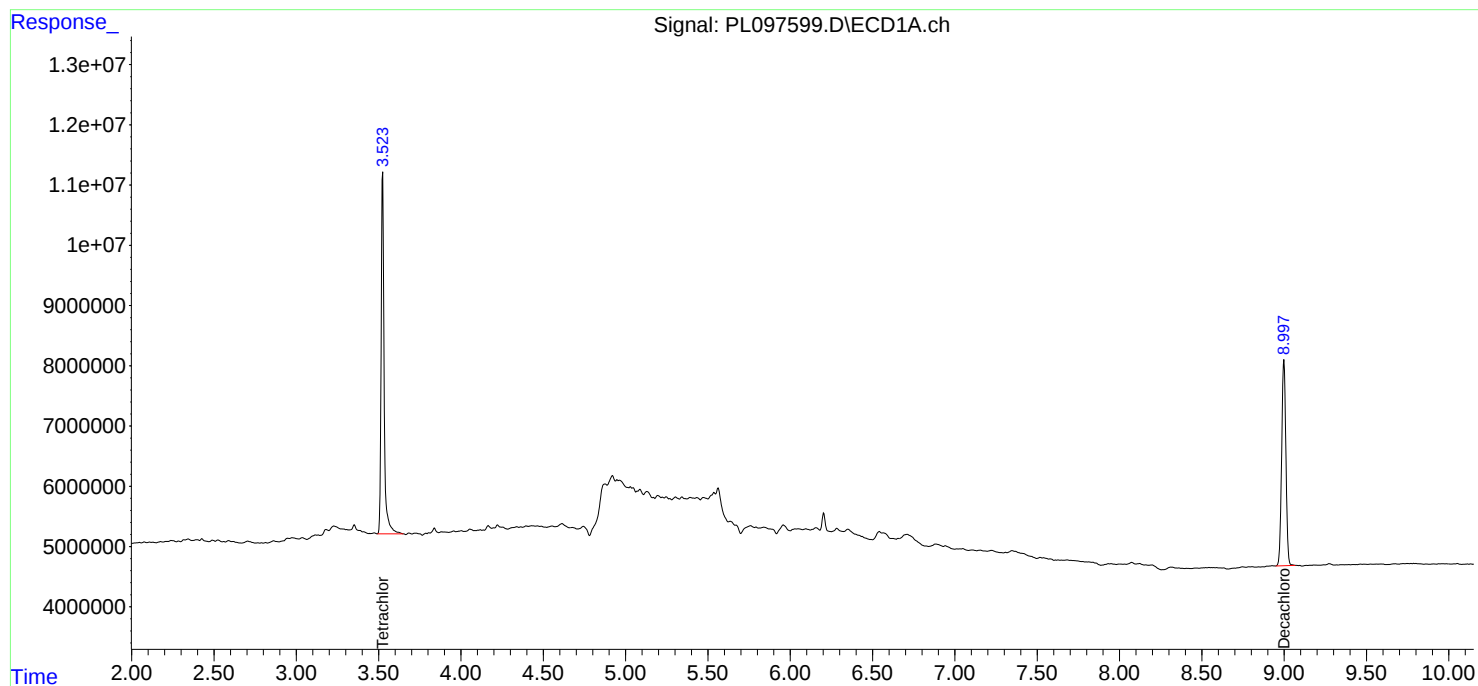
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

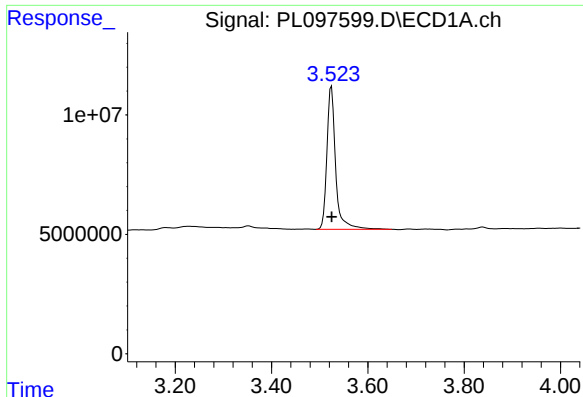
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097599.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 13:44  
Operator : AR\AJ  
Sample : PB170054BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:18:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

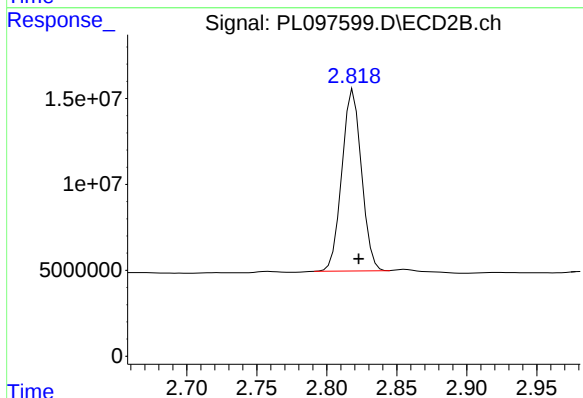




#1 Tetrachloro-m-xylene

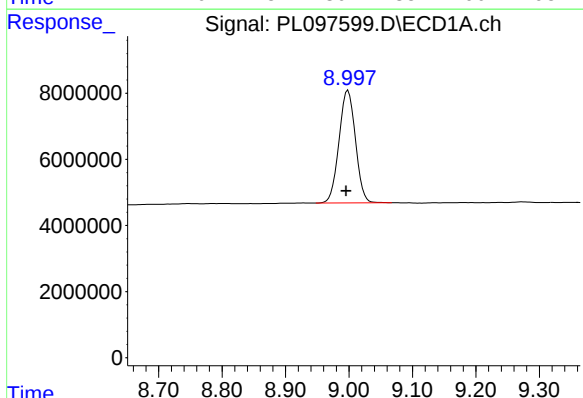
R.T.: 3.525 min  
Delta R.T.: 0.000 min  
Response: 75771760  
Conc: 18.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BL



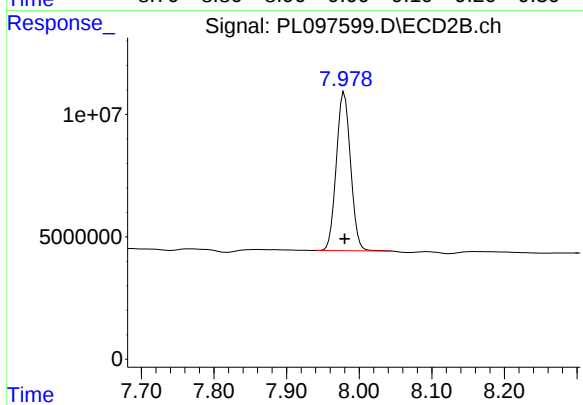
#1 Tetrachloro-m-xylene

R.T.: 2.819 min  
Delta R.T.: -0.004 min  
Response: 103018719  
Conc: 16.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.998 min  
Delta R.T.: 0.003 min  
Response: 61337373  
Conc: 20.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.979 min  
Delta R.T.: 0.000 min  
Response: 88329053  
Conc: 17.02 ng/ml

## Report of Analysis

|                    |                        |                    |               |
|--------------------|------------------------|--------------------|---------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    | 10/07/25      |
| Project:           | RFP 918                | Date Received:     | 10/07/25      |
| Client Sample ID:  | PIBLK-PL097523.D       | SDG No.:           | Q3321         |
| Lab Sample ID:     | I.BLK-PL097523.D       | Matrix:            | WATER         |
| Analytical Method: | 8081B                  | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                   | Units:             | mL            |
| Soil Aliquot Vol:  |                        |                    | uL            |
| Extraction Type:   |                        | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                    | PH :               |               |
| Prep Method :      | 3510C                  | Decanted:          |               |
|                    |                        | Final Vol:         | 10000         |
|                    |                        | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL097523.D        | 1         |           | 10/07/25      | PL100725      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.4   |           | 57 - 171 | 107%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.3   |           | 61 - 148 | 97%        | SPK: 20 |

## Report of Analysis

|                    |                        |           |                    |               |           |
|--------------------|------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |           | Date Collected:    | 10/07/25      |           |
| Project:           | RFP 918                |           | Date Received:     | 10/07/25      |           |
| Client Sample ID:  | PIBLK-PL097523.D       |           | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | I.BLK-PL097523.D       |           | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                  |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                   | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    | PH :      |                    |               |           |
| Prep Method :      | 3510C                  |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL097523.D        | 1         |           | 10/07/25      | PL100725      |

| 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\PL100725\  
Data File : PL097523.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 09:53  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 14:33:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 14:32:10 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.524 | 2.822 | 78343871 | 117.7E6 | 19.217 | 19.341 |
| 28)                         | SA Decachlor... | 8.995 | 7.979 | 63482543 | 107.1E6 | 21.348 | 20.633 |

Target Compounds

-----

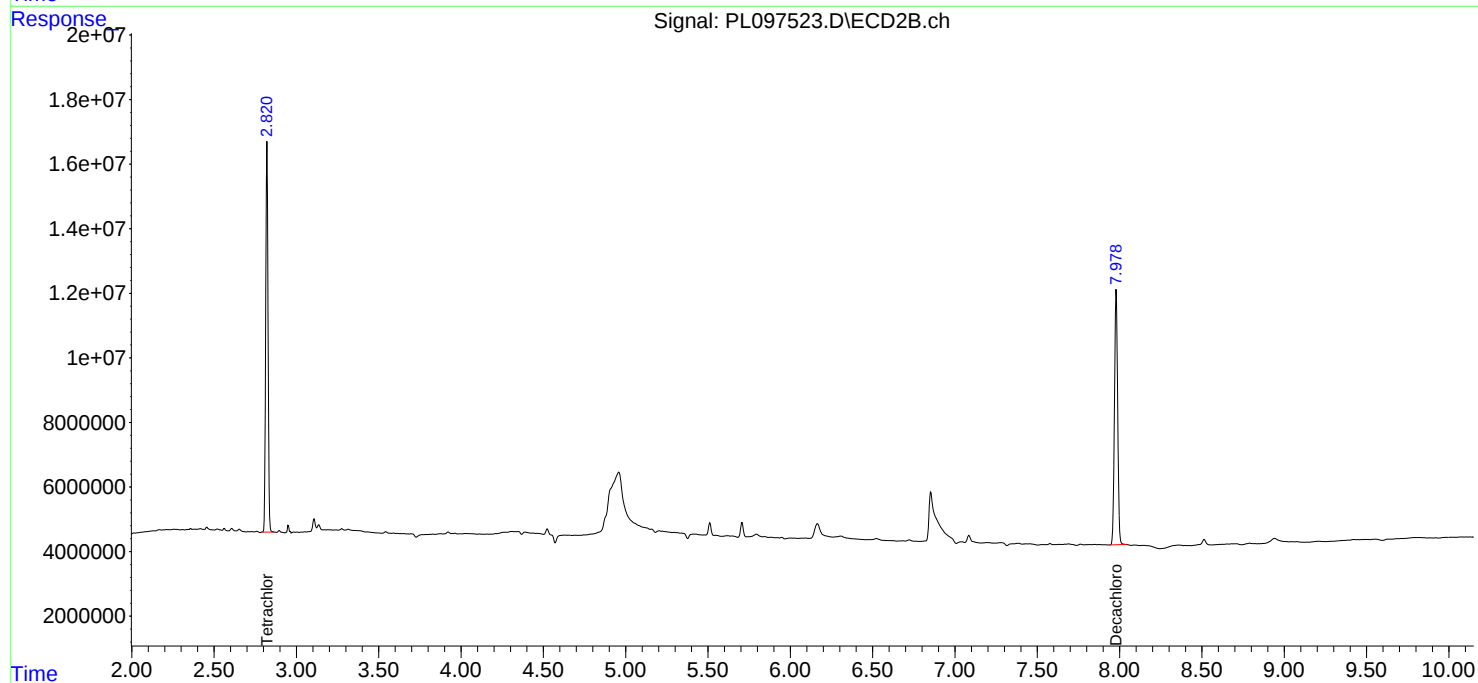
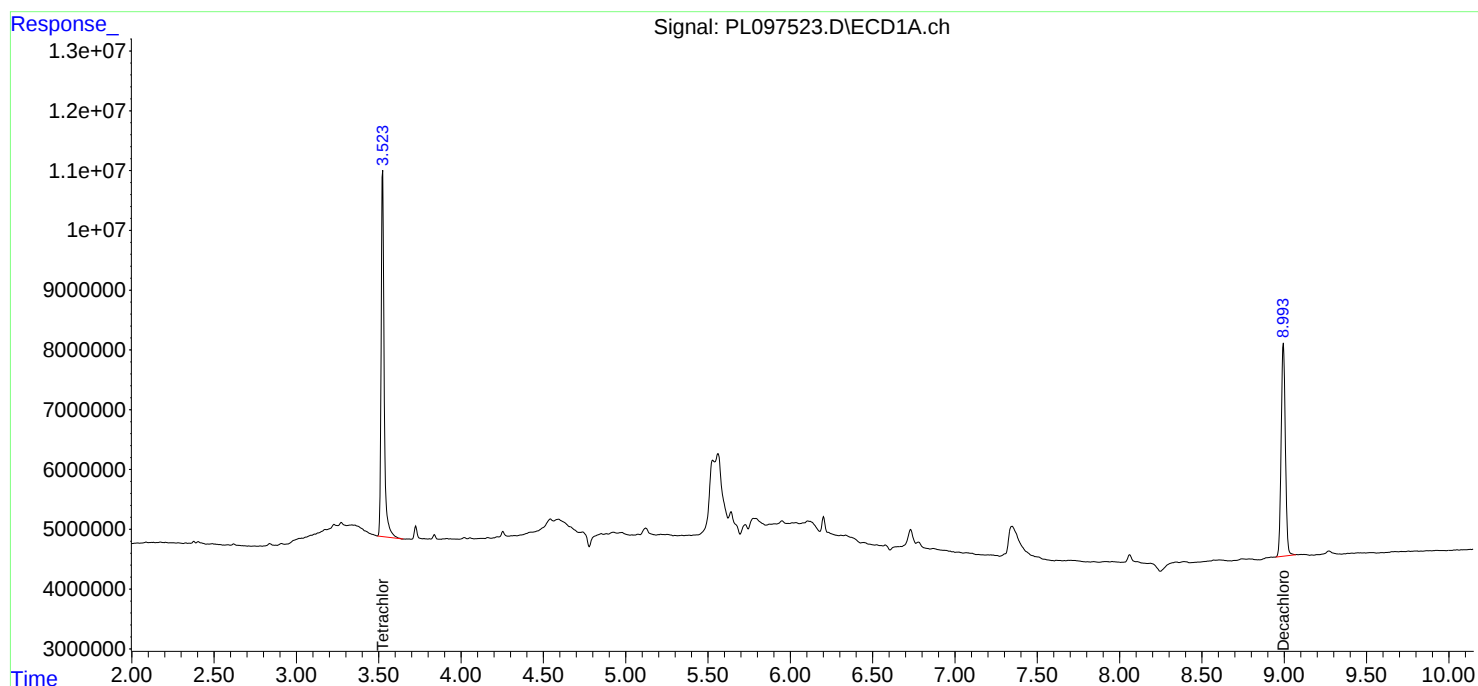
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

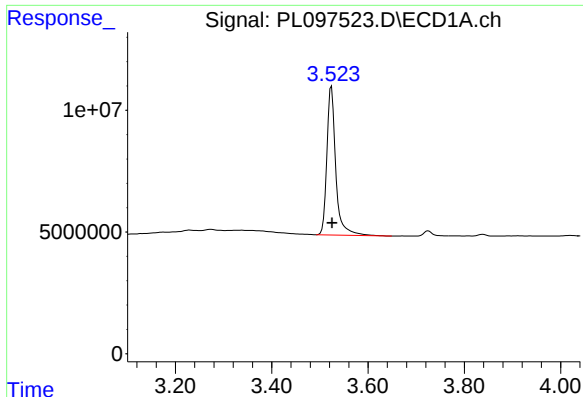
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100725\  
Data File : PL097523.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Oct 2025 09:53  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 14:33:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 14:32:10 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

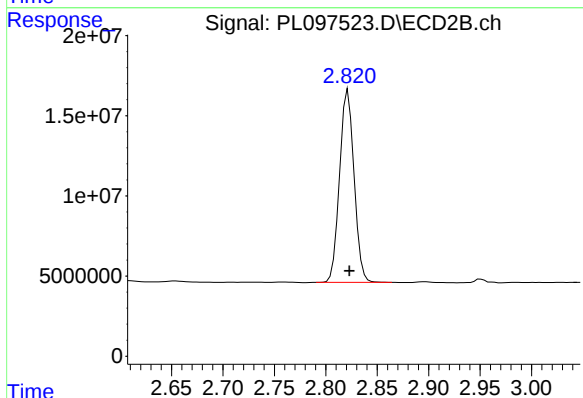




#1 Tetrachloro-m-xylene

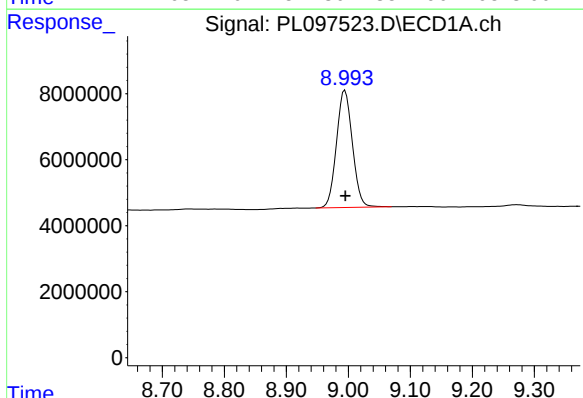
R.T.: 3.524 min  
Delta R.T.: 0.000 min  
Response: 78343871  
Conc: 19.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



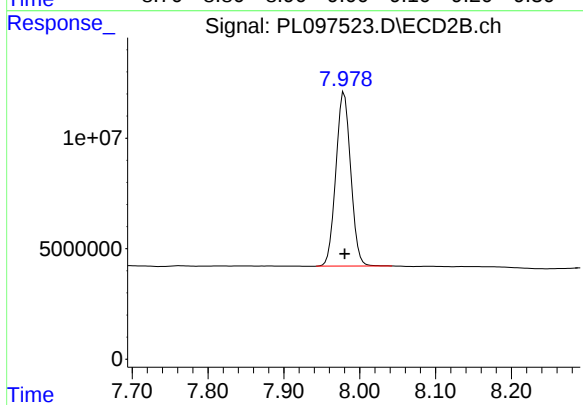
#1 Tetrachloro-m-xylene

R.T.: 2.822 min  
Delta R.T.: -0.001 min  
Response: 117720292  
Conc: 19.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 63482543  
Conc: 21.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.979 min  
Delta R.T.: 0.000 min  
Response: 107064301  
Conc: 20.63 ng/ml

## Report of Analysis

|                    |                        |        |      |                    |               |           |
|--------------------|------------------------|--------|------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |        |      | Date Collected:    | 10/10/25      |           |
| Project:           | RFP 918                |        |      | Date Received:     | 10/10/25      |           |
| Client Sample ID:  | PIBLK-PL097596.D       |        |      | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | I.BLK-PL097596.D       |        |      | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                  |        |      | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                   | Units: | mL   | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        |        | uL   | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |        |      | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    |        | PH : |                    |               |           |
| Prep Method :      | 3510C                  |        |      |                    |               |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL097596.D        | 1         |           | 10/10/25      | PL101025      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 24.3   |           | 57 - 171 | 121%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 23.0   |           | 61 - 148 | 115%       | SPK: 20 |

## Report of Analysis

|                    |                        |           |                    |               |           |
|--------------------|------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |           | Date Collected:    | 10/10/25      |           |
| Project:           | RFP 918                |           | Date Received:     | 10/10/25      |           |
| Client Sample ID:  | PIBLK-PL097596.D       |           | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | I.BLK-PL097596.D       |           | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                  |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                   | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    | PH :      |                    |               |           |
| Prep Method :      | 3510C                  |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL097596.D        | 1         |           | 10/10/25      | PL101025      |

| 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\PL101025\  
Data File : PL097596.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 10:11  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:17:35 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.523 | 2.821 | 93609946 | 129.4E6 | 22.962 | 21.254 |
| 28)                         | SA Decachlor... | 8.994 | 7.977 | 72140120 | 102.3E6 | 24.260 | 19.705 |

Target Compounds

-----

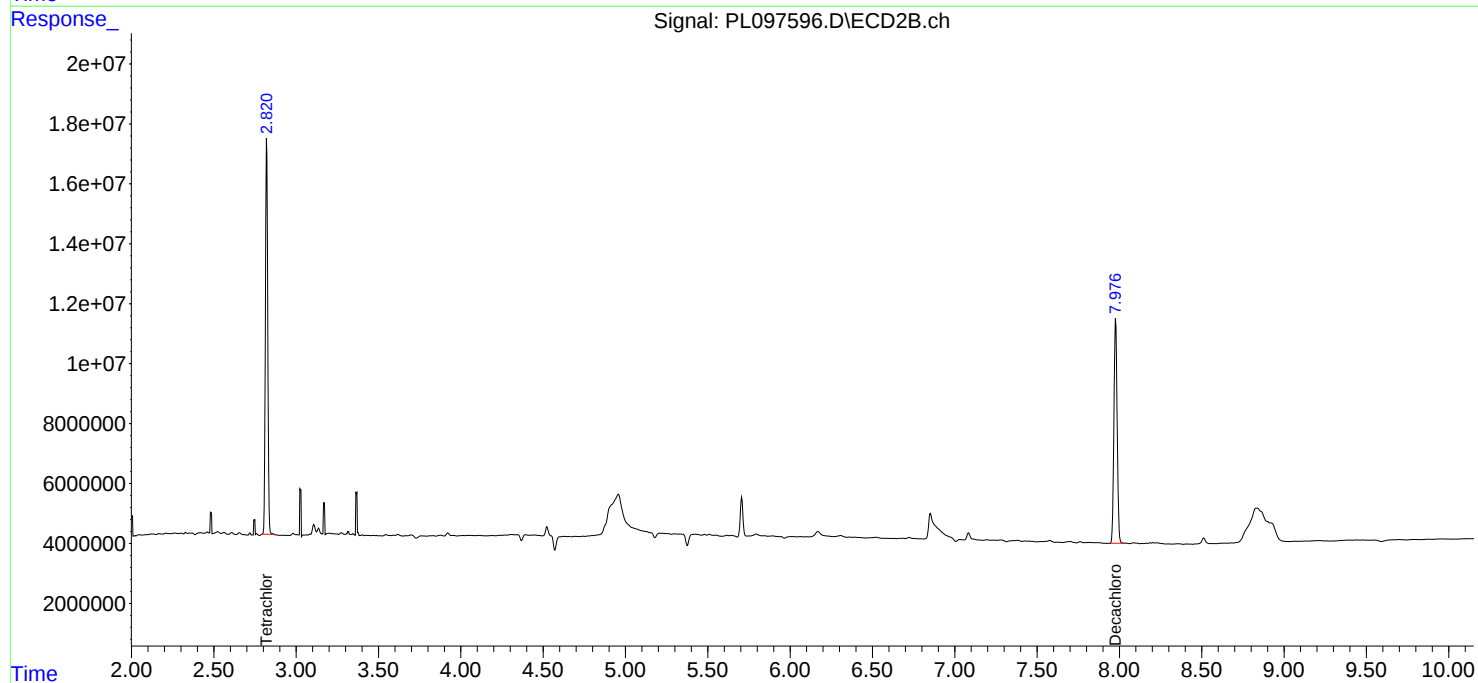
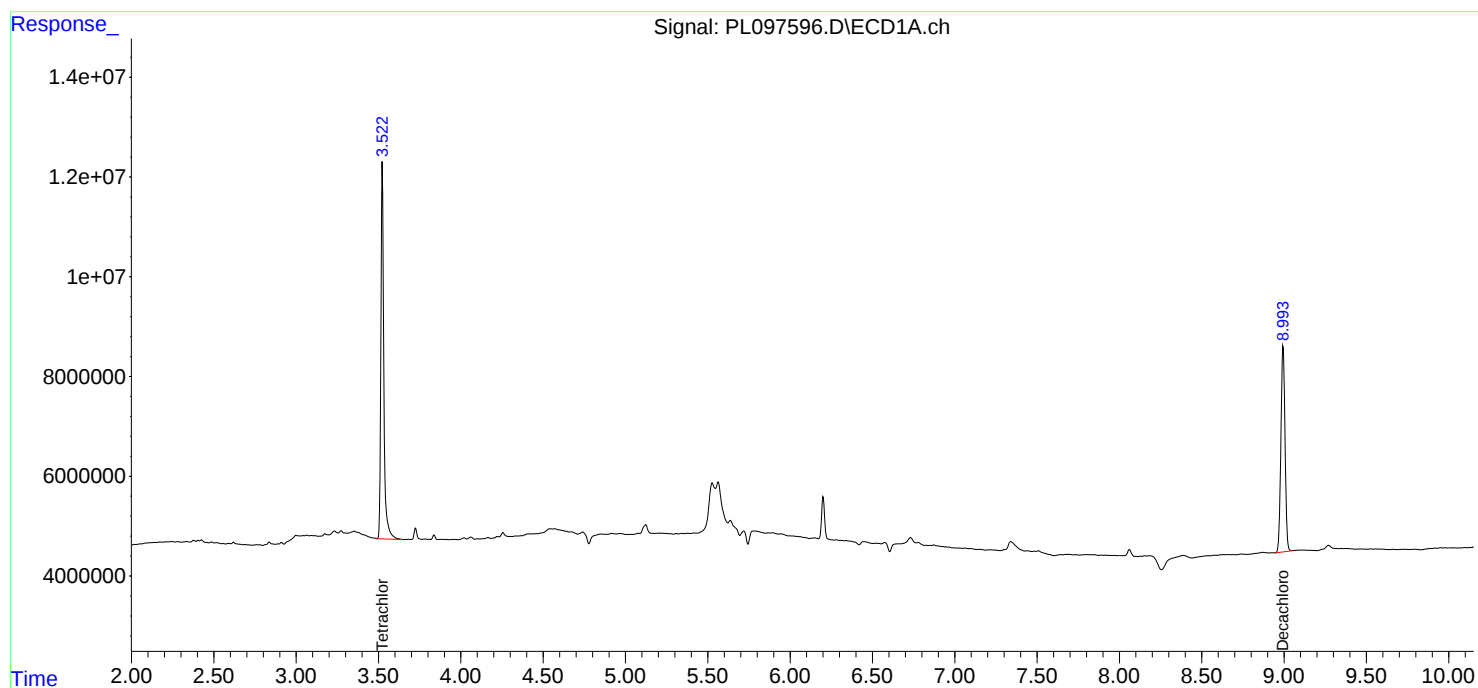
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

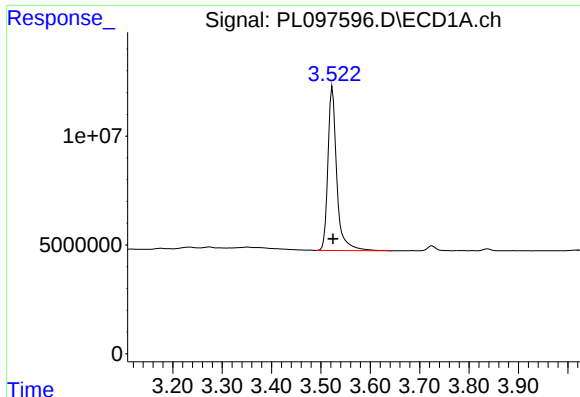
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097596.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 10:11  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:17:35 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

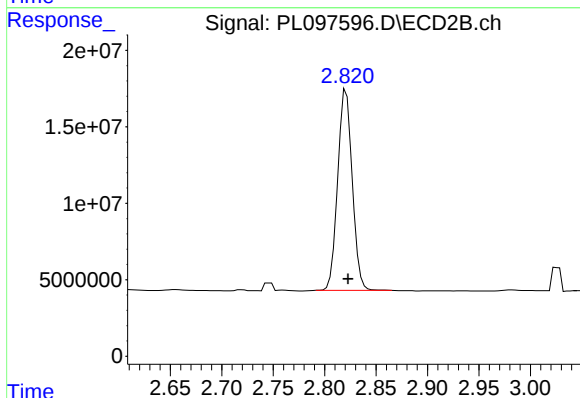




## #1 Tetrachloro-m-xylene

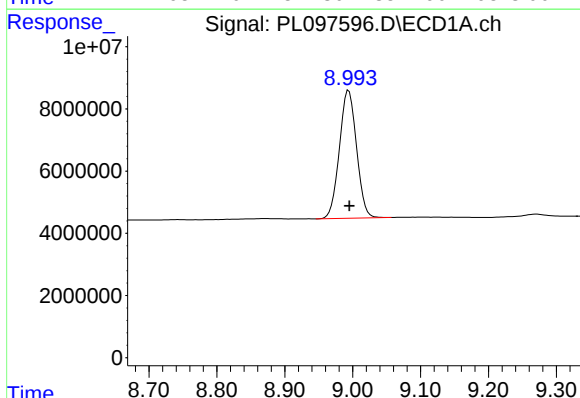
R.T.: 3.523 min  
Delta R.T.: -0.002 min  
Response: 93609946  
Conc: 22.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



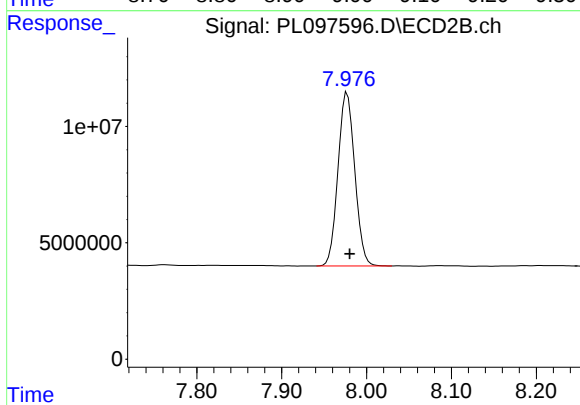
## #1 Tetrachloro-m-xylene

R.T.: 2.821 min  
Delta R.T.: -0.002 min  
Response: 129361711  
Conc: 21.25 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.994 min  
Delta R.T.: -0.001 min  
Response: 72140120  
Conc: 24.26 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.977 min  
Delta R.T.: -0.003 min  
Response: 102252819  
Conc: 19.71 ng/ml

## Report of Analysis

|                    |                        |                    |                  |
|--------------------|------------------------|--------------------|------------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    | 10/10/25         |
| Project:           | RFP 918                | Date Received:     | 10/10/25         |
| Client Sample ID:  | PIBLK-PL097609.D       | SDG No.:           | Q3321            |
| Lab Sample ID:     | I.BLK-PL097609.D       | Matrix:            | WATER            |
| Analytical Method: | 8081B                  | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                     | Test:              | Pesticide-TCL    |
| Extraction Type:   |                        | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :          |                    |                  |
| Prep Method :      | 3510C                  |                    |                  |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL097609.D        | 1         |           | 10/10/25      | pl101025      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 24.3   |           | 57 - 171 | 122%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.5   |           | 61 - 148 | 113%       | SPK: 20 |

## Report of Analysis

|                    |                        |           |                    |               |           |
|--------------------|------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |           | Date Collected:    | 10/10/25      |           |
| Project:           | RFP 918                |           | Date Received:     | 10/10/25      |           |
| Client Sample ID:  | PIBLK-PL097609.D       |           | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | I.BLK-PL097609.D       |           | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                  |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                   | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    | PH :      |                    |               |           |
| Prep Method :      | 3510C                  |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL097609.D        | 1         |           | 10/10/25      | p1101025      |

| 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\PL101025\  
Data File : PL097609.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 17:07  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:20:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.523 | 2.820 | 91905006 | 133.0E6 | 22.544 | 21.847 |
| 28)                         | SA Decachlor... | 8.995 | 7.979 | 72302254 | 102.9E6 | 24.314 | 19.827 |

Target Compounds

-----

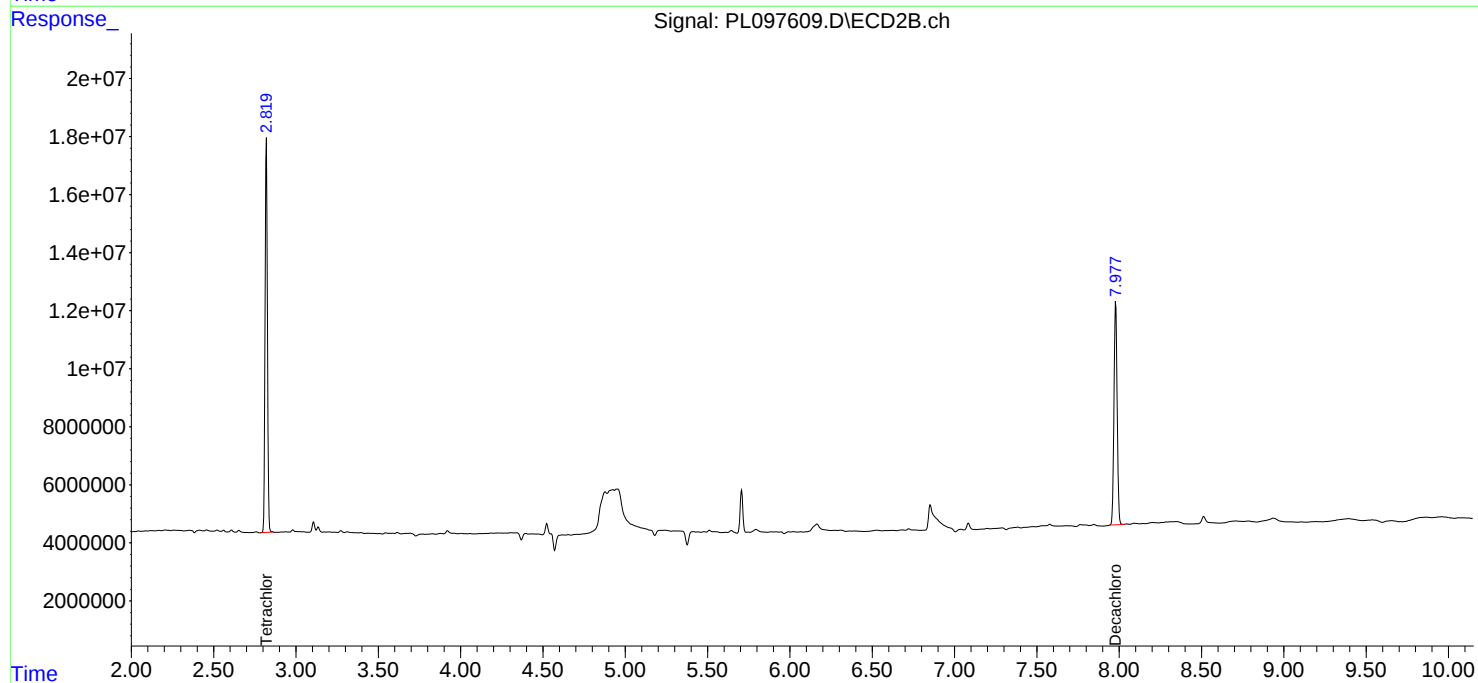
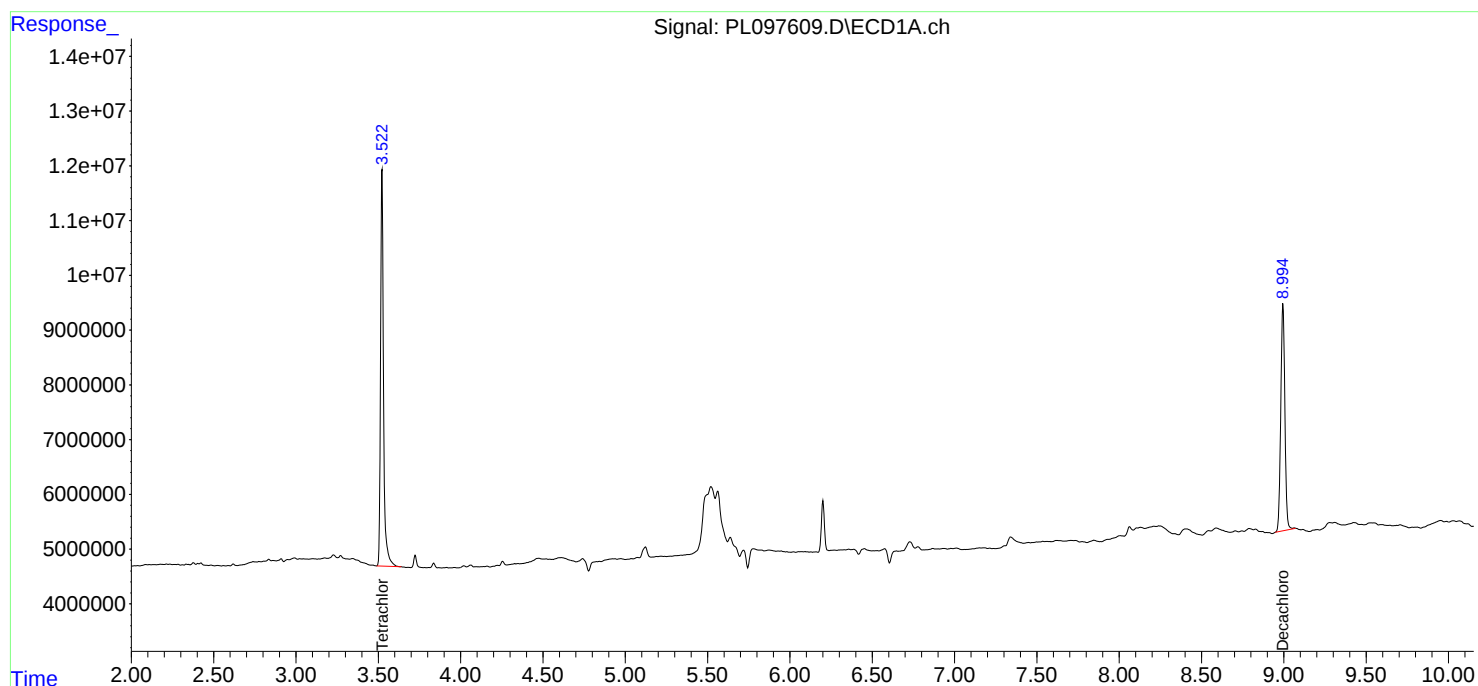
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097609.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 17:07  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

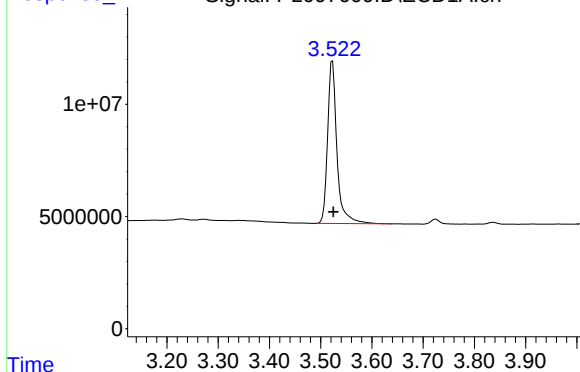
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:20:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Signal: PL097609.D\ECD1A.ch

#1 Tetrachloro-m-xylene

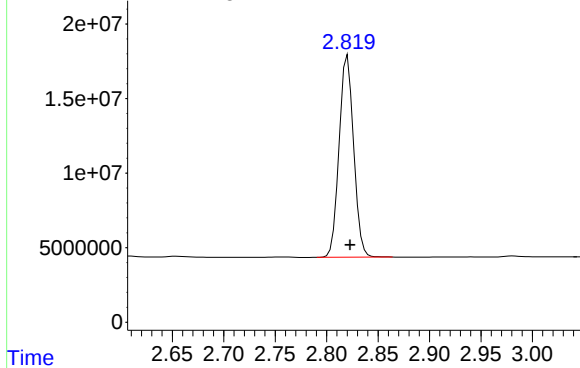


R.T.: 3.523 min  
Delta R.T.: -0.002 min  
Response: 91905006  
Conc: 22.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Signal: PL097609.D\ECD2B.ch

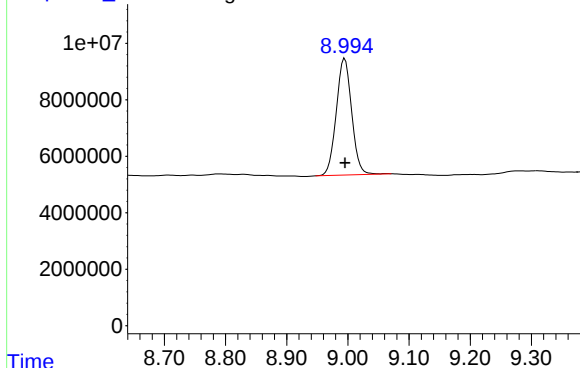
#1 Tetrachloro-m-xylene



R.T.: 2.820 min  
Delta R.T.: -0.002 min  
Response: 132970919  
Conc: 21.85 ng/ml

Signal: PL097609.D\ECD1A.ch

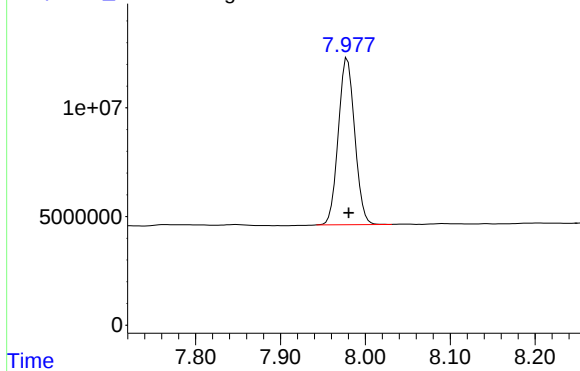
#28 Decachlorobiphenyl



R.T.: 8.995 min  
Delta R.T.: 0.000 min  
Response: 72302254  
Conc: 24.31 ng/ml

Signal: PL097609.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.979 min  
Delta R.T.: -0.001 min  
Response: 102882489  
Conc: 19.83 ng/ml

## Report of Analysis

|                    |                        |          |                    |               |           |
|--------------------|------------------------|----------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |          | Date Collected:    |               |           |
| Project:           | RFP 918                |          | Date Received:     |               |           |
| Client Sample ID:  | PB170054BS             |          | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | PB170054BS             |          | Matrix:            | SOIL          |           |
| Analytical Method: | 8081B                  |          | % Solid:           | 100           | Decanted: |
| Sample Wt/Vol:     | 30.03                  | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    | PH :     |                    |               |           |
| Prep Method :      | SW3541B                |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097608.D        | 1         | 10/10/25 09:06 | 10/10/25 16:51 | PB170054      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 19.7  |           | 0.13     | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 19.8  |           | 0.18     | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 19.5  |           | 0.39     | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 19.7  |           | 0.14     | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 18.6  |           | 0.12     | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 19.3  |           | 0.12     | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 19.4  |           | 0.19     | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 19.1  |           | 0.14     | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 19.3  |           | 0.14     | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 19.8  |           | 0.14     | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 17.9  |           | 0.14     | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 17.8  |           | 0.29     | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 20.5  |           | 0.15     | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 18.7  |           | 0.13     | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 17.6  |           | 0.14     | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 16.6  |           | 0.37     | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 19.1  |           | 0.19     | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 18.8  |           | 0.37     | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 19.0  |           | 0.12     | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 19.4  |           | 0.15     | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.40  | U         | 5.40     | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 22.2  |           | 20 - 144 | 111%       | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 21.1  |           | 19 - 148 | 105%       | SPK: 20           |

## Report of Analysis

|                    |                        |                    |                    |
|--------------------|------------------------|--------------------|--------------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    |                    |
| Project:           | RFP 918                | Date Received:     |                    |
| Client Sample ID:  | PB170054BS             | SDG No.:           | Q3321              |
| Lab Sample ID:     | PB170054BS             | Matrix:            | SOIL               |
| Analytical Method: | 8081B                  | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:              | Pesticide-TCL      |
| Extraction Type:   |                        | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :          |                    |                    |
| Prep Method :      | SW3541B                |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097608.D        | 1         | 10/10/25 09:06 | 10/10/25 16:51 | PB170054      |

| 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\PL101025\  
 Data File : PL097608.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2025 16:51  
 Operator : AR\AJ  
 Sample : PB170054BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB170054BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 07:20:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.523 | 2.820 | 85868011 | 126.3E6  | 21.063 | 20.753 |
| 28)                         | SA Decachlor... | 8.996 | 7.979 | 66116333 | 94339039 | 22.234 | 18.180 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.970 | 3.325 | 399.3E6  | 574.3E6  | 59.197 | 58.200 |
| 3)                          | MA gamma-BHC... | 4.298 | 3.657 | 375.2E6  | 530.3E6  | 59.035 | 57.724 |
| 4)                          | MA Heptachlor   | 4.889 | 4.004 | 360.8E6  | 502.8E6  | 55.934 | 54.699 |
| 5)                          | MB Aldrin       | 5.228 | 4.286 | 348.1E6  | 490.4E6  | 57.893 | 56.553 |
| 6)                          | B beta-BHC      | 4.486 | 3.953 | 153.8E6  | 218.9E6  | 59.468 | 55.022 |
| 7)                          | B delta-BHC     | 4.731 | 4.185 | 355.8E6  | 518.8E6  | 58.598 | 57.428 |
| 8)                          | B Heptachlo...  | 5.648 | 4.788 | 316.3E6  | 459.6E6  | 54.324 | 58.189 |
| 9)                          | A Endosulfan I  | 6.030 | 5.159 | 285.3E6  | 404.2E6  | 57.386 | 54.814 |
| 10)                         | B gamma-Chl...  | 5.902 | 5.040 | 316.4E6  | 462.2E6  | 58.293 | 53.168 |
| 11)                         | B alpha-Chl...  | 5.982 | 5.104 | 310.2E6  | 447.3E6  | 57.159 | 53.720 |
| 12)                         | B 4,4'-DDE      | 6.153 | 5.293 | 277.4E6  | 421.9E6  | 59.559 | 55.563 |
| 13)                         | MA Dieldrin     | 6.302 | 5.423 | 304.7E6  | 441.7E6  | 57.915 | 53.417 |
| 14)                         | MA Endrin       | 6.528 | 5.698 | 240.2E6  | 368.8E6  | 53.695 | 49.822 |
| 15)                         | B Endosulfa...  | 6.743 | 5.990 | 261.2E6  | 367.4E6  | 53.383 | 53.207 |
| 16)                         | A 4,4'-DDD      | 6.662 | 5.845 | 232.1E6  | 358.5E6  | 61.504 | 56.202 |
| 17)                         | MA 4,4'-DDT     | 6.976 | 6.097 | 214.3E6  | 326.5E6  | 52.855 | 49.005 |
| 18)                         | B Endrin al...  | 6.871 | 6.168 | 185.5E6  | 273.7E6  | 56.601 | 47.531 |
| 19)                         | B Endosulfa...  | 7.104 | 6.391 | 225.6E6  | 343.3E6  | 56.266 | 51.562 |
| 20)                         | A Methoxychlor  | 7.449 | 6.669 | 104.3E6  | 164.5E6  | 49.905 | 45.126 |
| 21)                         | B Endrin ke...  | 7.584 | 6.895 | 245.2E6  | 382.8E6  | 57.277 | 48.456 |
| 22)                         | Mirex           | 8.061 | 7.085 | 161.5E6  | 255.8E6  | 51.982 | 47.819 |
| -----                       |                 |       |       |          |          |        |        |

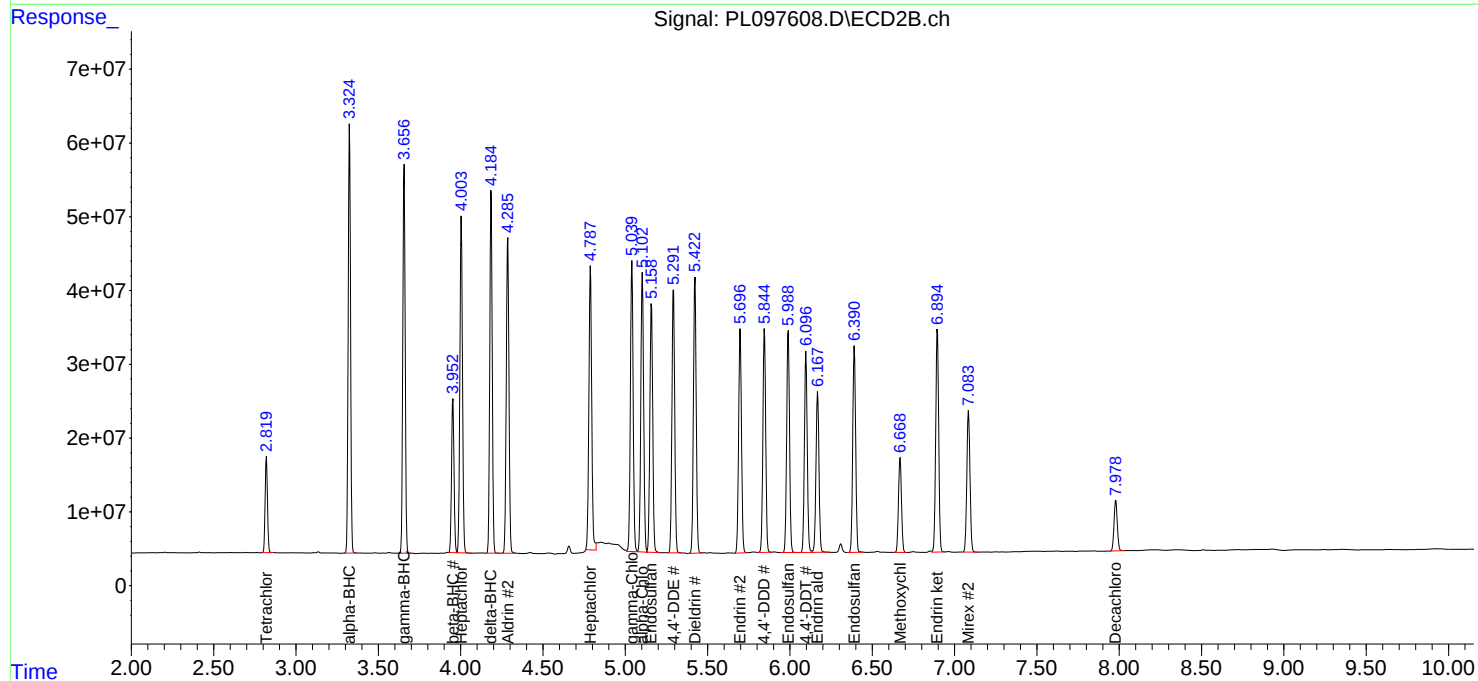
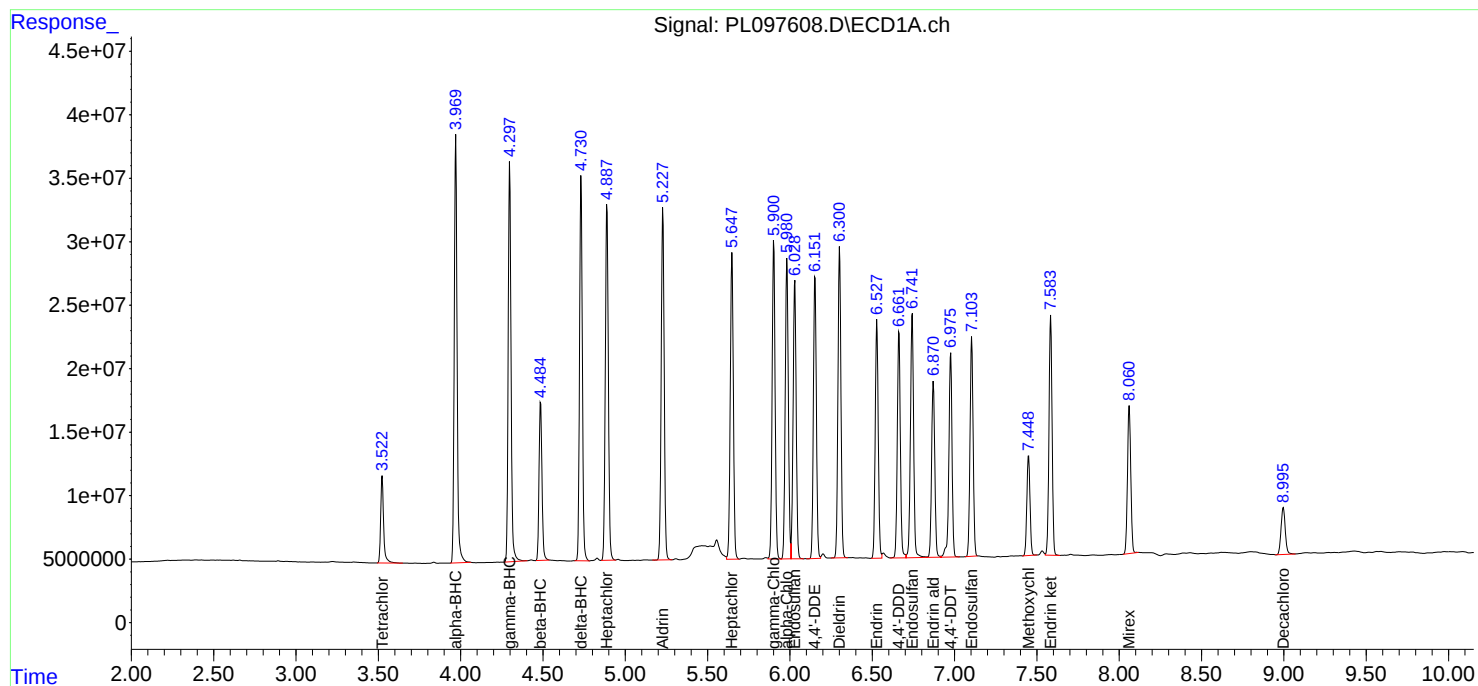
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

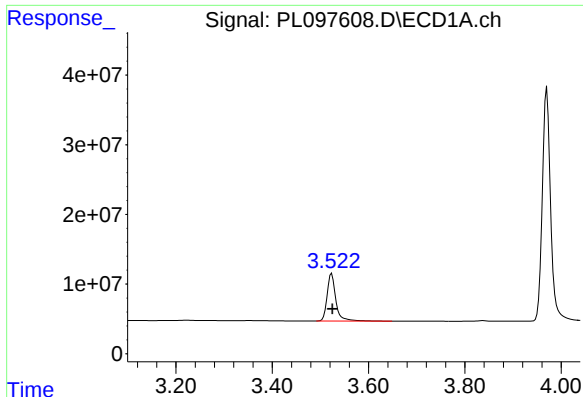
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097608.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 16:51  
Operator : AR\AJ  
Sample : PB170054BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:20:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

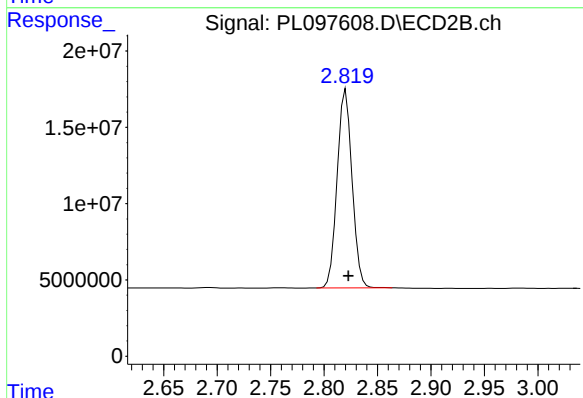




#1 Tetrachloro-m-xylene

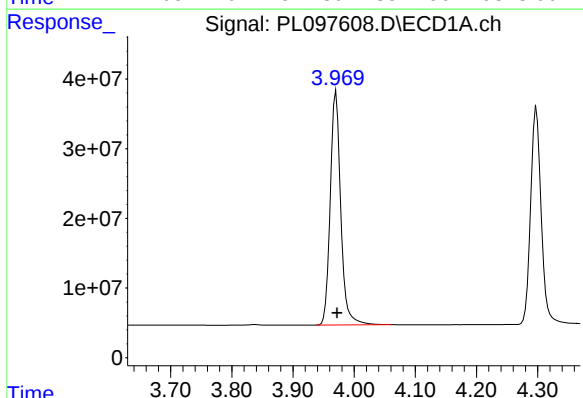
R.T.: 3.523 min  
Delta R.T.: -0.002 min  
Response: 85868011  
Conc: 21.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS



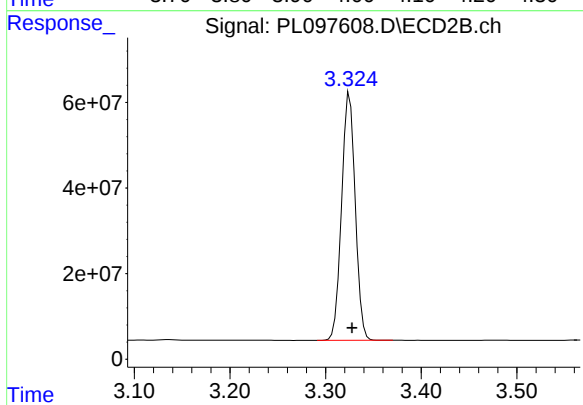
#1 Tetrachloro-m-xylene

R.T.: 2.820 min  
Delta R.T.: -0.002 min  
Response: 126310277  
Conc: 20.75 ng/ml



#2 alpha-BHC

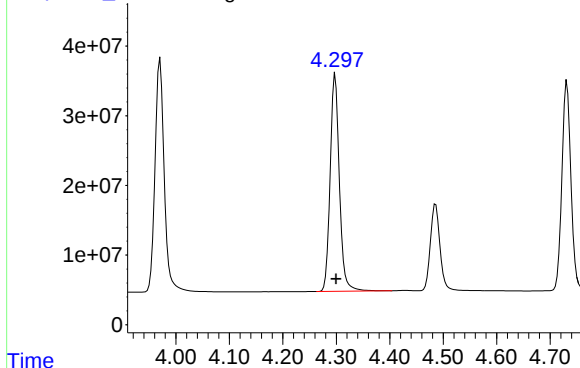
R.T.: 3.970 min  
Delta R.T.: -0.001 min  
Response: 399326930  
Conc: 59.20 ng/ml



#2 alpha-BHC

R.T.: 3.325 min  
Delta R.T.: -0.002 min  
Response: 574256133  
Conc: 58.20 ng/ml

Response\_ Signal: PL097608.D\ECD1A.ch

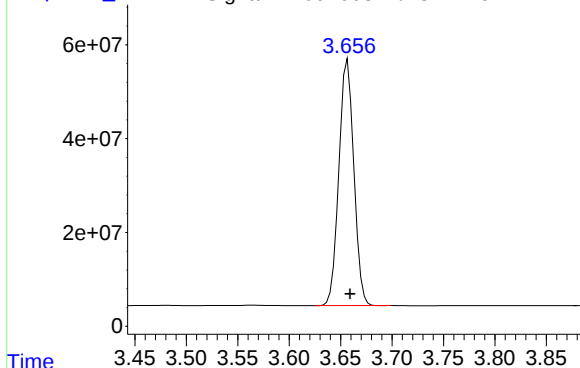


#3 gamma-BHC (Lindane)

R.T.: 4.298 min  
Delta R.T.: -0.002 min  
Response: 375247692  
Conc: 59.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS

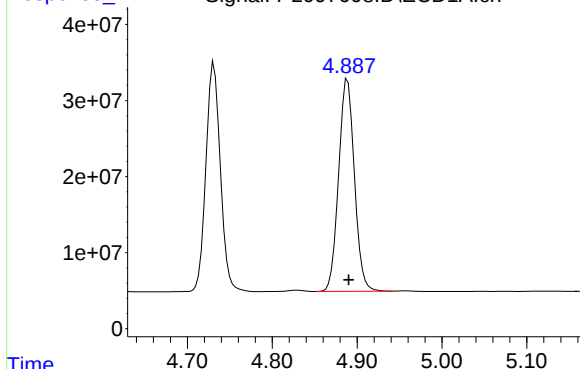
Time Response\_ Signal: PL097608.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.657 min  
Delta R.T.: -0.002 min  
Response: 530324828  
Conc: 57.72 ng/ml

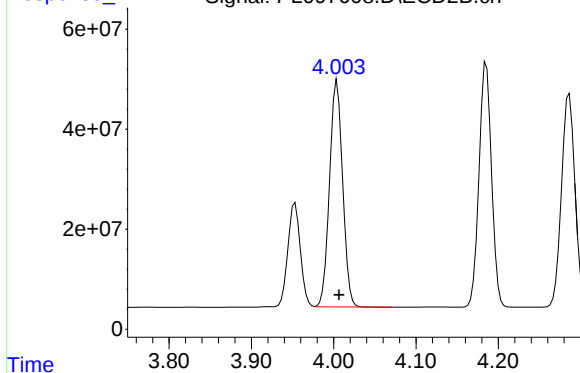
Time Response\_ Signal: PL097608.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.889 min  
Delta R.T.: -0.001 min  
Response: 360811404  
Conc: 55.93 ng/ml

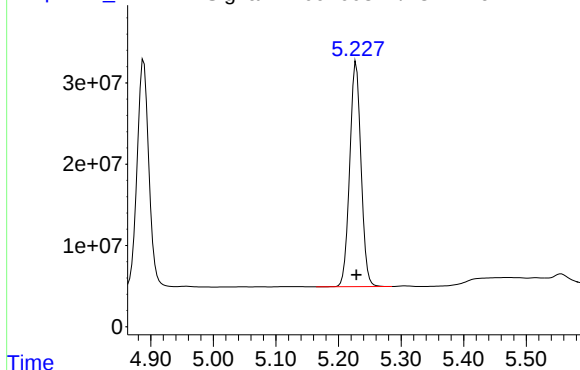
Time Response\_ Signal: PL097608.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.004 min  
Delta R.T.: -0.002 min  
Response: 502808012  
Conc: 54.70 ng/ml

Response\_ Signal: PL097608.D\ECD1A.ch

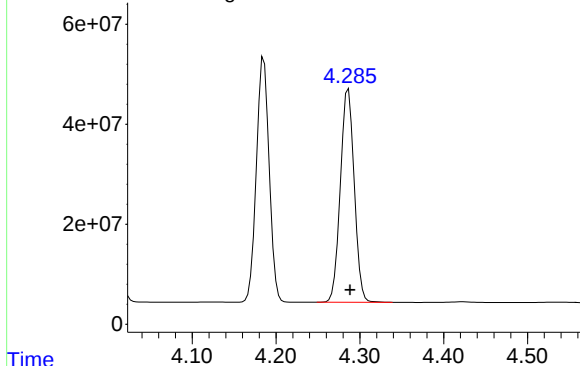


#5 Aldrin

R.T.: 5.228 min  
Delta R.T.: 0.000 min  
Response: 348091306  
Conc: 57.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS

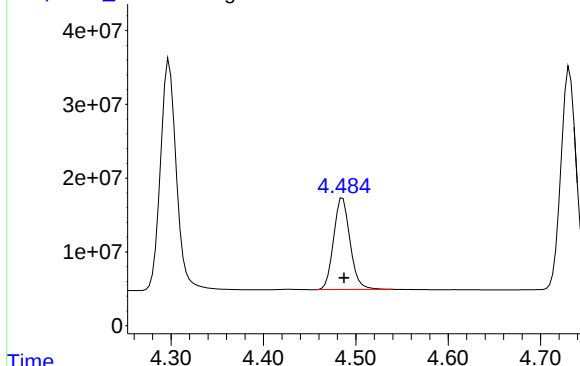
Time Response\_ Signal: PL097608.D\ECD2B.ch



#5 Aldrin

R.T.: 4.286 min  
Delta R.T.: -0.002 min  
Response: 490414980  
Conc: 56.55 ng/ml

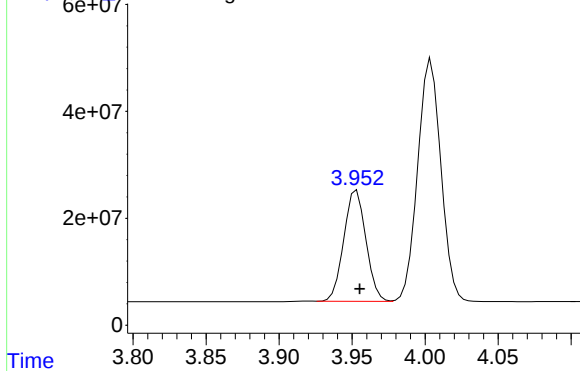
Time Response\_ Signal: PL097608.D\ECD1A.ch



#6 beta-BHC

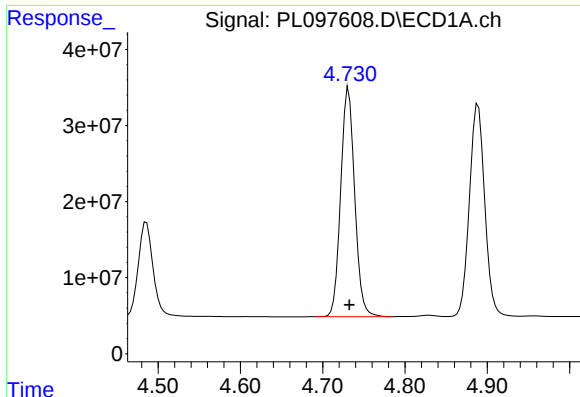
R.T.: 4.486 min  
Delta R.T.: -0.001 min  
Response: 153752910  
Conc: 59.47 ng/ml

Time Response\_ Signal: PL097608.D\ECD2B.ch



#6 beta-BHC

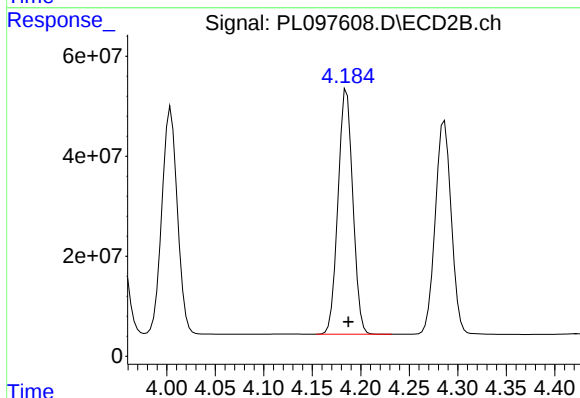
R.T.: 3.953 min  
Delta R.T.: -0.002 min  
Response: 218887509  
Conc: 55.02 ng/ml



#7 delta-BHC

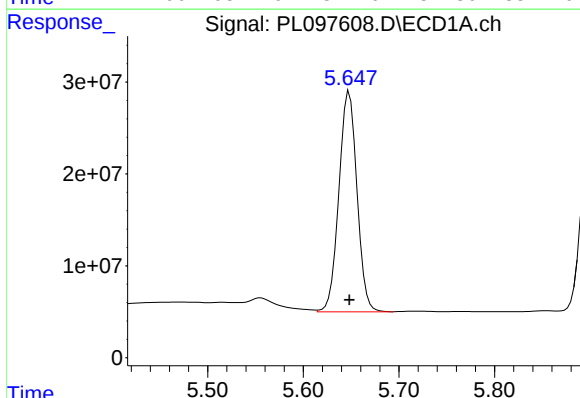
R.T.: 4.731 min  
Delta R.T.: -0.001 min  
Response: 355843312  
Conc: 58.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS



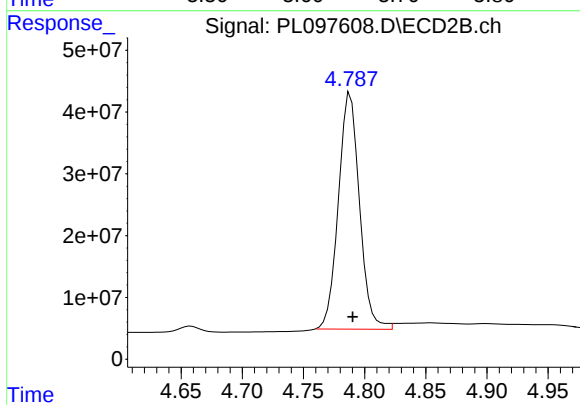
#7 delta-BHC

R.T.: 4.185 min  
Delta R.T.: -0.002 min  
Response: 518805193  
Conc: 57.43 ng/ml



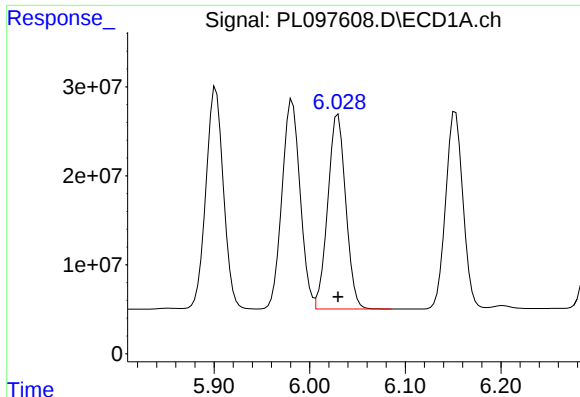
#8 Heptachlor epoxide

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 316289742  
Conc: 54.32 ng/ml



#8 Heptachlor epoxide

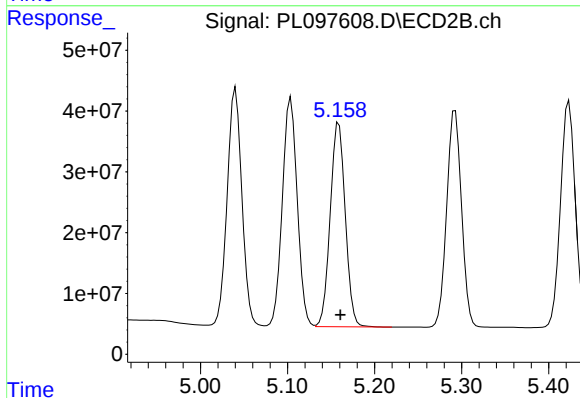
R.T.: 4.788 min  
Delta R.T.: -0.002 min  
Response: 459571335  
Conc: 58.19 ng/ml



## #9 Endosulfan I

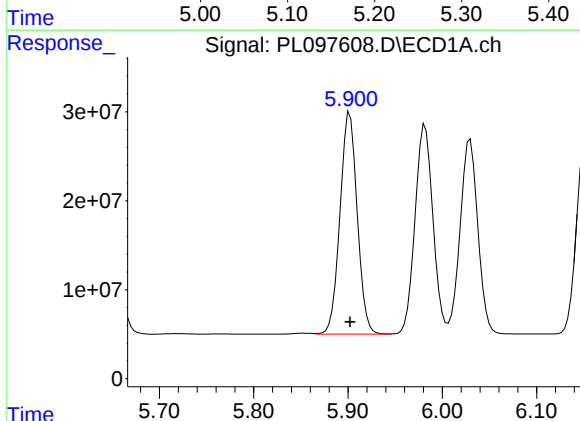
R.T.: 6.030 min  
Delta R.T.: 0.000 min  
Response: 285291963  
Conc: 57.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS



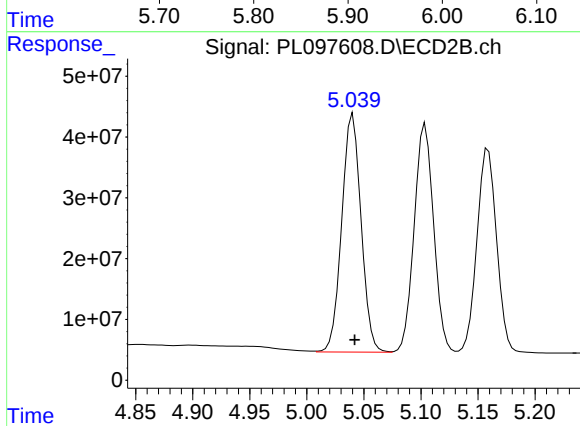
## #9 Endosulfan I

R.T.: 5.159 min  
Delta R.T.: -0.002 min  
Response: 404216659  
Conc: 54.81 ng/ml



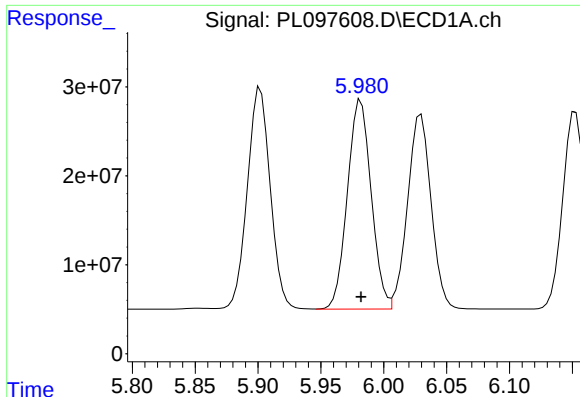
## #10 gamma-Chlordane

R.T.: 5.902 min  
Delta R.T.: 0.000 min  
Response: 316383058  
Conc: 58.29 ng/ml



## #10 gamma-Chlordane

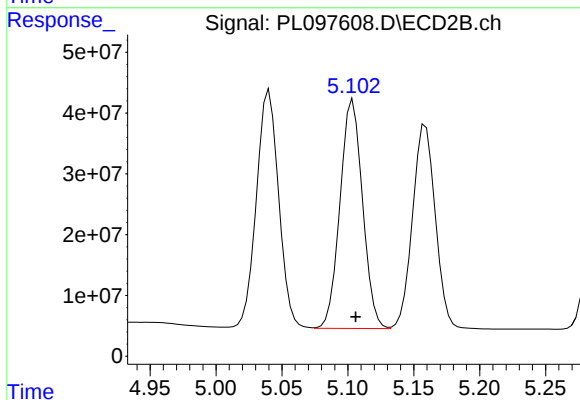
R.T.: 5.040 min  
Delta R.T.: -0.001 min  
Response: 462198659  
Conc: 53.17 ng/ml



#11 alpha-Chlordane

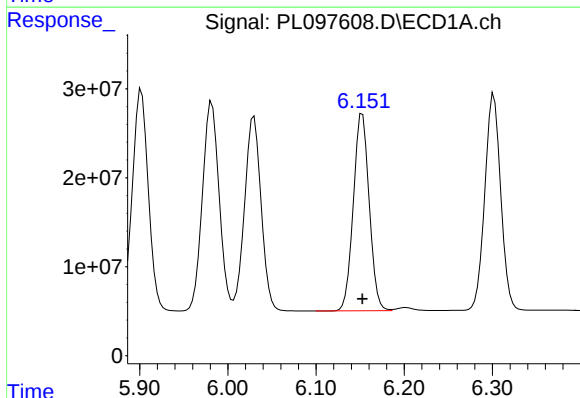
R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 310171438  
Conc: 57.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS



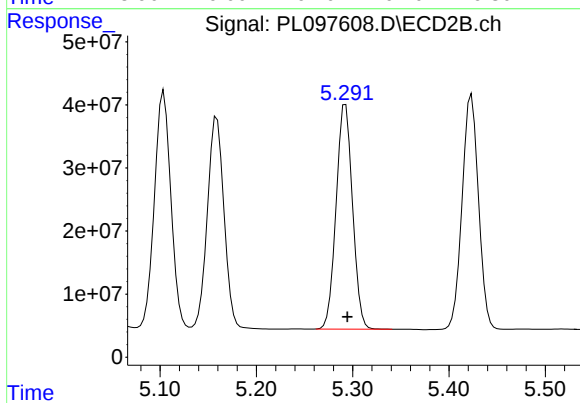
#11 alpha-Chlordane

R.T.: 5.104 min  
Delta R.T.: -0.002 min  
Response: 447336714  
Conc: 53.72 ng/ml



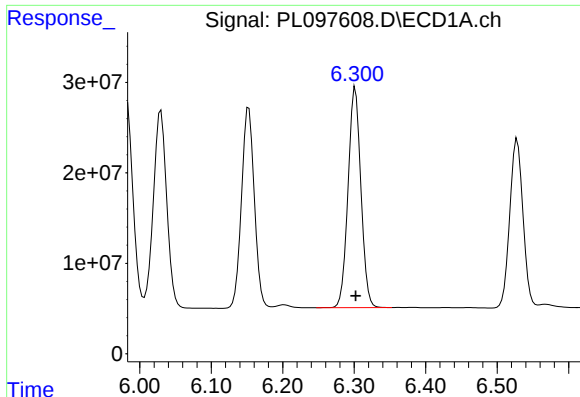
#12 4,4'-DDE

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 277378417  
Conc: 59.56 ng/ml



#12 4,4'-DDE

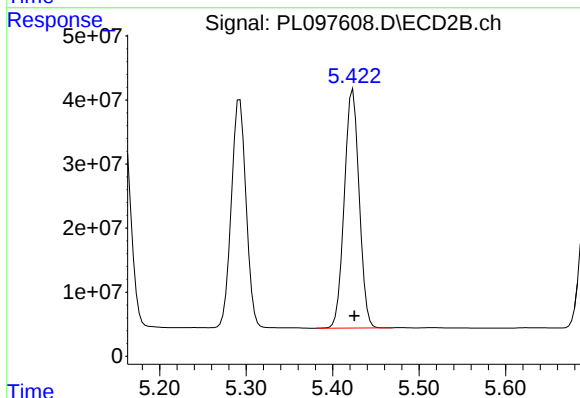
R.T.: 5.293 min  
Delta R.T.: -0.002 min  
Response: 421862086  
Conc: 55.56 ng/ml



#13 Dieldrin

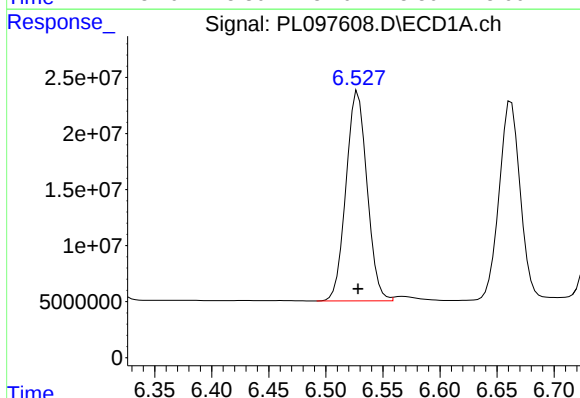
R.T.: 6.302 min  
Delta R.T.: 0.000 min  
Response: 304663040  
Conc: 57.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS



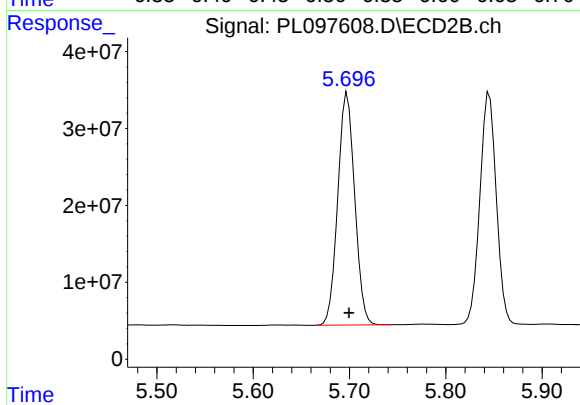
#13 Dieldrin

R.T.: 5.423 min  
Delta R.T.: -0.002 min  
Response: 441668937  
Conc: 53.42 ng/ml



#14 Endrin

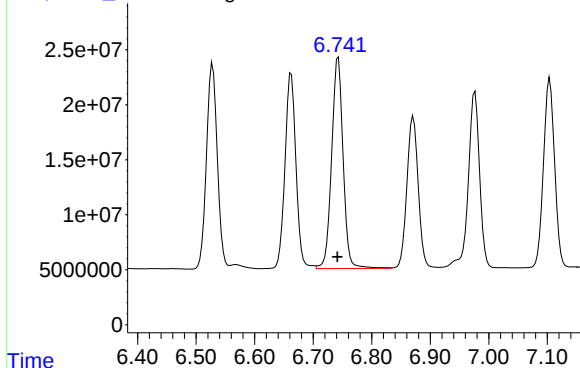
R.T.: 6.528 min  
Delta R.T.: 0.000 min  
Response: 240248333  
Conc: 53.70 ng/ml



#14 Endrin

R.T.: 5.698 min  
Delta R.T.: -0.001 min  
Response: 368757379  
Conc: 49.82 ng/ml

Response\_ Signal: PL097608.D\ECD1A.ch

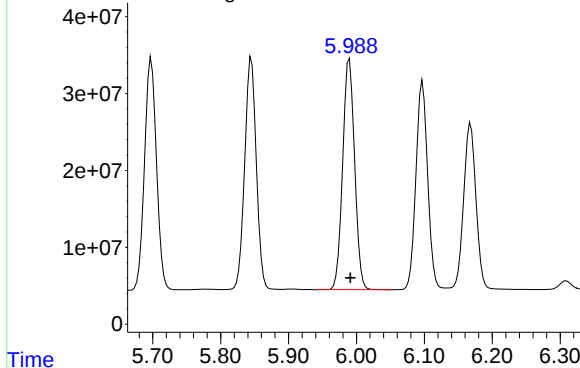


#15 Endosulfan II

R.T.: 6.743 min  
Delta R.T.: 0.001 min  
Response: 261153743  
Conc: 53.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS

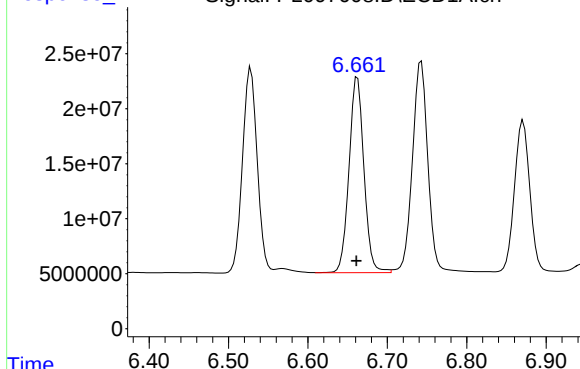
Response\_ Signal: PL097608.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.990 min  
Delta R.T.: -0.002 min  
Response: 367392053  
Conc: 53.21 ng/ml

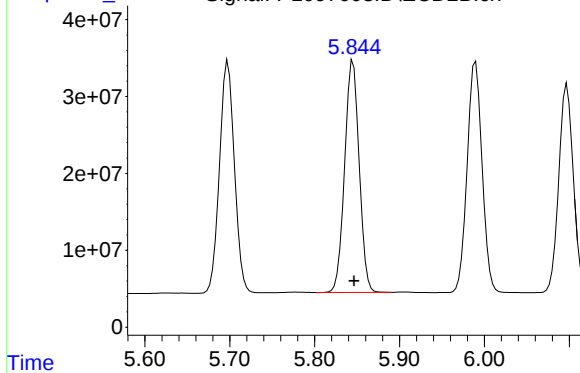
Response\_ Signal: PL097608.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.662 min  
Delta R.T.: 0.001 min  
Response: 232086714  
Conc: 61.50 ng/ml

Response\_ Signal: PL097608.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.845 min  
Delta R.T.: -0.001 min  
Response: 358504640  
Conc: 56.20 ng/ml

Response\_ Signal: PL097608.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 6.976 min  
Delta R.T.: 0.001 min  
Response: 214310254  
Conc: 52.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS

Time

Response\_ Signal: PL097608.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.097 min  
Delta R.T.: -0.001 min  
Response: 326539101  
Conc: 49.00 ng/ml

Time

Response\_ Signal: PL097608.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.871 min  
Delta R.T.: 0.000 min  
Response: 185466854  
Conc: 56.60 ng/ml

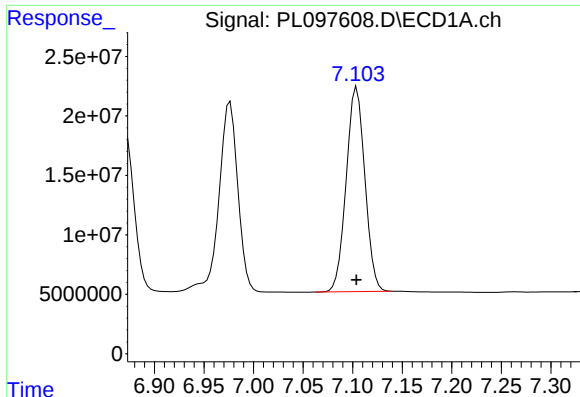
Time

Response\_ Signal: PL097608.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.168 min  
Delta R.T.: -0.001 min  
Response: 273706077  
Conc: 47.53 ng/ml

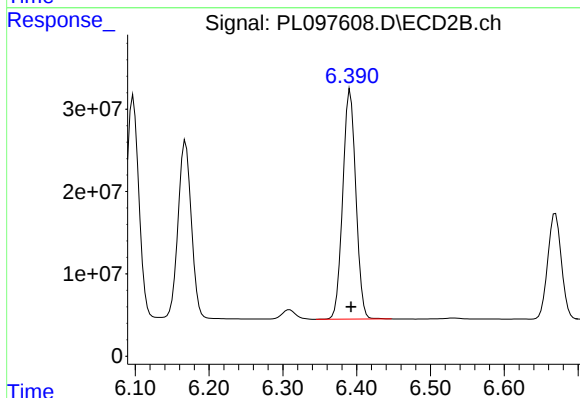
Time



## #19 Endosulfan Sulfate

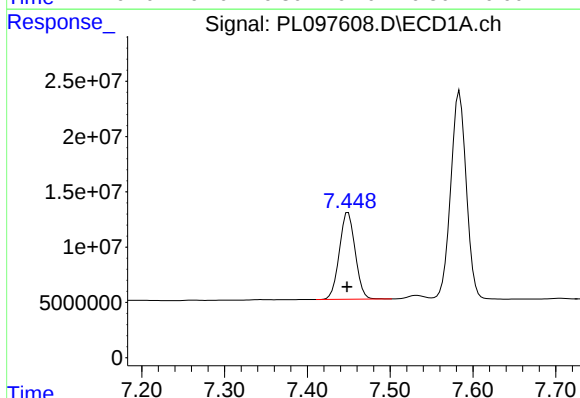
R.T.: 7.104 min  
Delta R.T.: 0.000 min  
Response: 225620068  
Conc: 56.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS



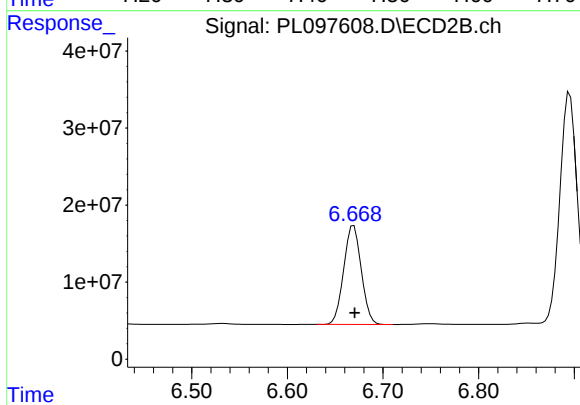
## #19 Endosulfan Sulfate

R.T.: 6.391 min  
Delta R.T.: -0.001 min  
Response: 343292045  
Conc: 51.56 ng/ml



## #20 Methoxychlor

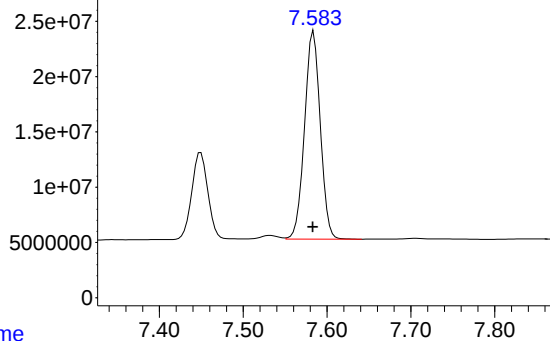
R.T.: 7.449 min  
Delta R.T.: 0.001 min  
Response: 104251442  
Conc: 49.90 ng/ml



## #20 Methoxychlor

R.T.: 6.669 min  
Delta R.T.: -0.001 min  
Response: 164494222  
Conc: 45.13 ng/ml

Response\_ Signal: PL097608.D\ECD1A.ch

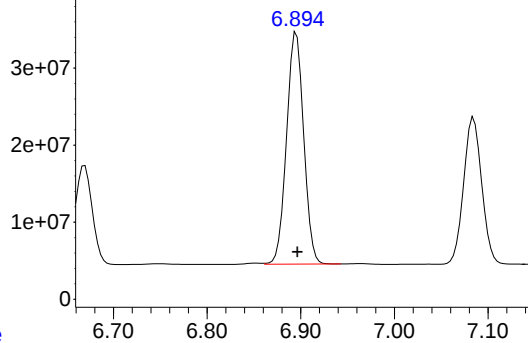


#21 Endrin ketone

R.T.: 7.584 min  
Delta R.T.: 0.000 min  
Response: 245244560  
Conc: 57.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS

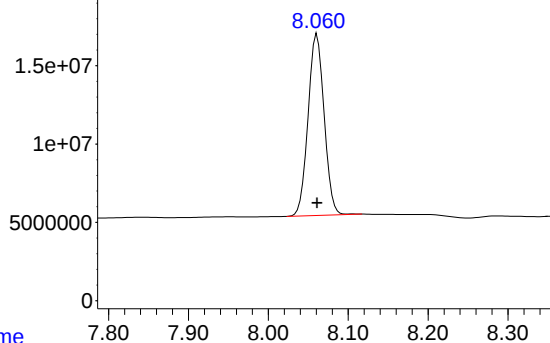
Time Response\_ Signal: PL097608.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.895 min  
Delta R.T.: -0.001 min  
Response: 382793353  
Conc: 48.46 ng/ml

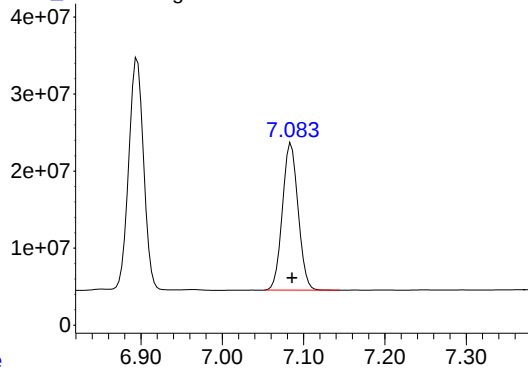
Time Response\_ Signal: PL097608.D\ECD1A.ch



#22 Mirex

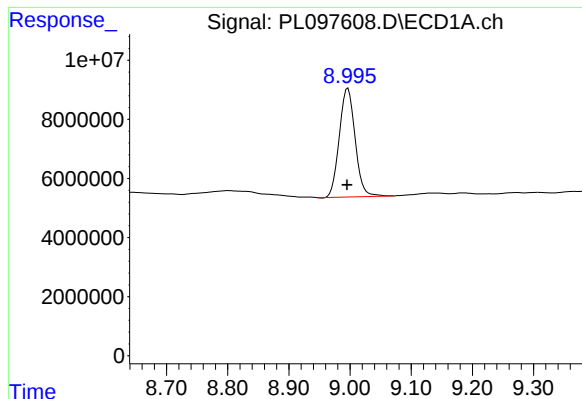
R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 161530599  
Conc: 51.98 ng/ml

Time Response\_ Signal: PL097608.D\ECD2B.ch



#22 Mirex

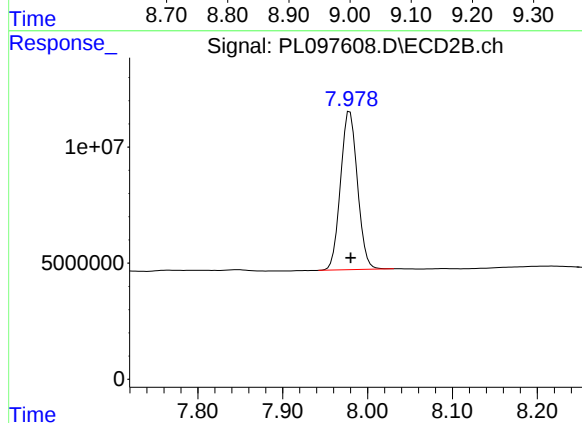
R.T.: 7.085 min  
Delta R.T.: 0.000 min  
Response: 255826319  
Conc: 47.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.996 min  
Delta R.T.: 0.001 min  
Response: 66116333  
Conc: 22.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB170054BS



#28 Decachlorobiphenyl

R.T.: 7.979 min  
Delta R.T.: 0.000 min  
Response: 94339039  
Conc: 18.18 ng/ml

## Report of Analysis

|                    |                        |                    |               |
|--------------------|------------------------|--------------------|---------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    | 10/07/25      |
| Project:           | RFP 918                | Date Received:     | 10/08/25      |
| Client Sample ID:  | SS-01-0-1MS            | SDG No.:           | Q3321         |
| Lab Sample ID:     | Q3310-01MS             | Matrix:            | SOIL          |
| Analytical Method: | 8081B                  | % Solid:           | 65.3          |
| Sample Wt/Vol:     | 30.02                  | Units:             | g             |
| Soil Aliquot Vol:  |                        |                    | uL            |
| Extraction Type:   |                        | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                    | Injection Volume : |               |
| Prep Method :      | SW3541B                |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097602.D        | 1         | 10/10/25 09:06 | 10/10/25 14:25 | PB170054      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 19.8  |           | 0.20     | 2.60       | ug/kg             |
| 319-85-7          | beta-BHC             | 18.3  |           | 0.28     | 2.60       | ug/kg             |
| 319-86-8          | delta-BHC            | 21.0  |           | 0.60     | 2.60       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 19.9  |           | 0.21     | 2.60       | ug/kg             |
| 76-44-8           | Heptachlor           | 19.9  |           | 0.18     | 2.60       | ug/kg             |
| 309-00-2          | Aldrin               | 19.6  |           | 0.18     | 2.60       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 20.5  |           | 0.29     | 2.60       | ug/kg             |
| 959-98-8          | Endosulfan I         | 20.5  |           | 0.21     | 2.60       | ug/kg             |
| 60-57-1           | Dieldrin             | 24.6  |           | 0.21     | 2.60       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 20.3  |           | 0.21     | 2.60       | ug/kg             |
| 72-20-8           | Endrin               | 19.7  |           | 0.21     | 2.60       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 17.9  |           | 0.44     | 2.60       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 23.9  | P         | 0.23     | 2.60       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 23.3  |           | 0.20     | 2.60       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 22.9  |           | 0.21     | 2.60       | ug/kg             |
| 72-43-5           | Methoxychlor         | 25.8  |           | 0.57     | 2.60       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 22.8  | P         | 0.29     | 2.60       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 19.7  |           | 0.57     | 2.60       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 23.6  |           | 0.18     | 2.60       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 24.6  |           | 0.23     | 2.60       | ug/kg             |
| 8001-35-2         | Toxaphene            | 8.30  | U         | 8.30     | 50.5       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 8.92  |           | 20 - 144 | 45%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 12.9  |           | 19 - 148 | 64%        | SPK: 20           |

## Report of Analysis

|                    |                        |          |                    |               |           |
|--------------------|------------------------|----------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |          | Date Collected:    | 10/07/25      |           |
| Project:           | RFP 918                |          | Date Received:     | 10/08/25      |           |
| Client Sample ID:  | SS-01-0-1MS            |          | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | Q3310-01MS             |          | Matrix:            | SOIL          |           |
| Analytical Method: | 8081B                  |          | % Solid:           | 65.3          | Decanted: |
| Sample Wt/Vol:     | 30.02                  | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    | PH :     |                    |               |           |
| Prep Method :      | SW3541B                |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097602.D        | 1         | 10/10/25 09:06 | 10/10/25 14:25 | PB170054      |

| 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\PL101025\  
 Data File : PL097602.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2025 14:25  
 Operator : AR\AJ  
 Sample : Q3310-01MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SS-01-0-1MS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/13/2025  
 Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 07:19:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.523 | 2.822 | 52559009 | 69633698 | 12.892m | 11.441   |
| 28)                         | SA Decachlor... | 8.994 | 7.978 | 26538482 | 37876209 | 8.925   | 7.299    |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.971 | 3.327 | 261.6E6  | 336.5E6  | 38.783  | 34.099   |
| 3)                          | MA gamma-BHC... | 4.297 | 3.659 | 248.1E6  | 334.6E6  | 39.036m | 36.417   |
| 4)                          | MA Heptachlor   | 4.887 | 4.006 | 252.2E6  | 301.3E6  | 39.091m | 32.780   |
| 5)                          | MB Aldrin       | 5.226 | 4.286 | 230.7E6  | 290.3E6  | 38.366m | 33.481m  |
| 6)                          | B beta-BHC      | 4.487 | 3.953 | 92854017 | 124.7E6  | 35.914  | 31.355m  |
| 7)                          | B delta-BHC     | 4.732 | 4.187 | 249.6E6  | 306.6E6  | 41.095  | 33.935   |
| 8)                          | B Heptachlo...  | 5.647 | 4.789 | 234.0E6  | 257.8E6  | 40.190  | 32.638   |
| 9)                          | A Endosulfan I  | 6.027 | 5.160 | 200.1E6  | 233.4E6  | 40.254m | 31.645   |
| 10)                         | B gamma-Chl...  | 5.901 | 5.040 | 261.2E6  | 354.4E6  | 48.135  | 40.772   |
| 11)                         | B alpha-Chl...  | 5.982 | 5.104 | 251.2E6  | 291.3E6  | 46.301  | 34.976   |
| 12)                         | B 4,4'-DDE      | 6.152 | 5.293 | 185.7E6  | 241.3E6  | 39.878  | 31.786   |
| 13)                         | MA Dieldrin     | 6.301 | 5.424 | 253.9E6  | 307.3E6  | 48.269  | 37.171   |
| 14)                         | MA Endrin       | 6.527 | 5.698 | 173.1E6  | 223.2E6  | 38.694  | 30.152   |
| 15)                         | B Endosulfa...  | 6.740 | 5.990 | 172.0E6  | 220.2E6  | 35.163  | 31.887   |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.845 | 176.7E6  | 197.5E6  | 46.822  | 30.958 # |
| 17)                         | MA 4,4'-DDT     | 6.974 | 6.097 | 182.0E6  | 236.2E6  | 44.884  | 35.444   |
| 18)                         | B Endrin al...  | 6.869 | 6.168 | 126.3E6  | 175.2E6  | 38.534  | 30.416   |
| 19)                         | B Endosulfa...  | 7.101 | 6.392 | 183.3E6  | 284.8E6  | 45.719m | 42.780   |
| 20)                         | A Methoxychlor  | 7.449 | 6.668 | 105.7E6  | 130.3E6  | 50.576  | 35.733m# |
| 21)                         | B Endrin ke...  | 7.581 | 6.895 | 191.4E6  | 203.5E6  | 44.695  | 25.758 # |
| 22)                         | Mirex           | 8.059 | 7.084 | 117.3E6  | 142.7E6  | 37.748  | 26.674 # |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097602.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 14:25  
Operator : AR\AJ  
Sample : Q3310-01MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

SS-01-0-1MS

## Manual Integrations

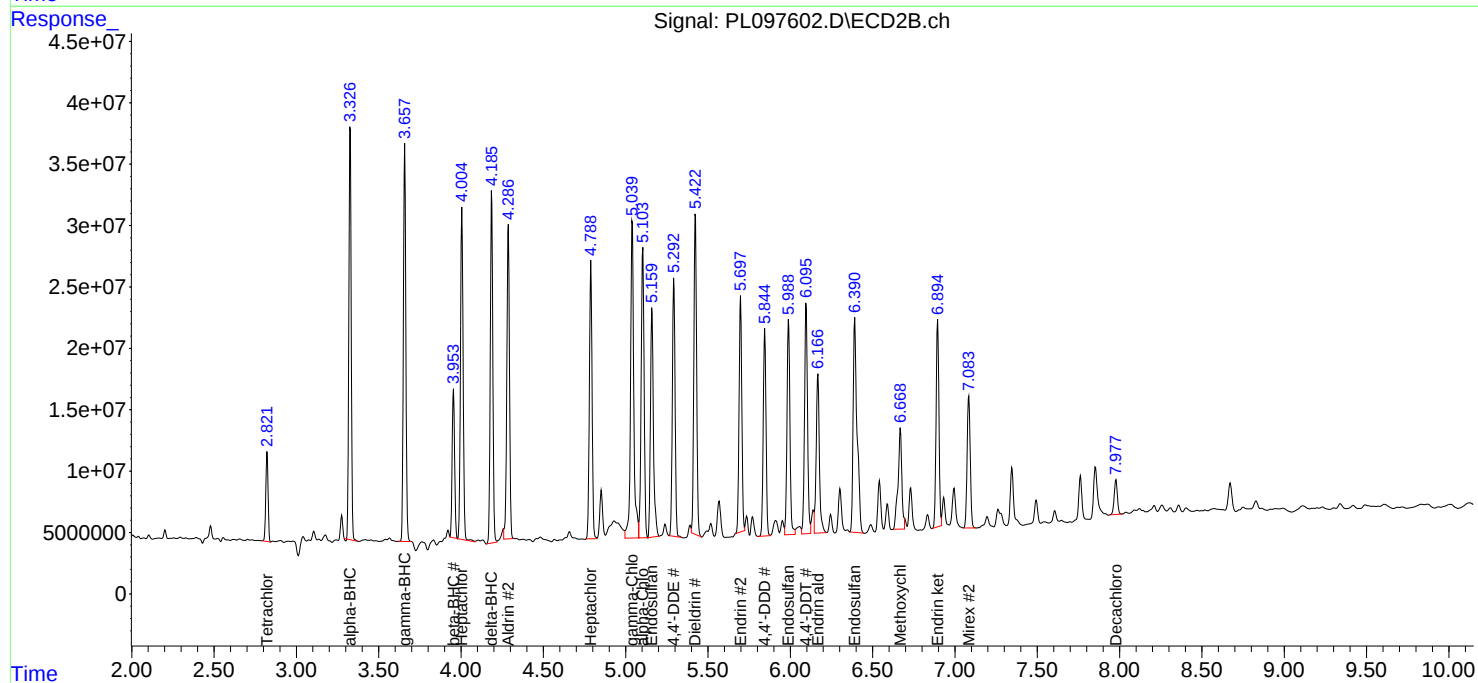
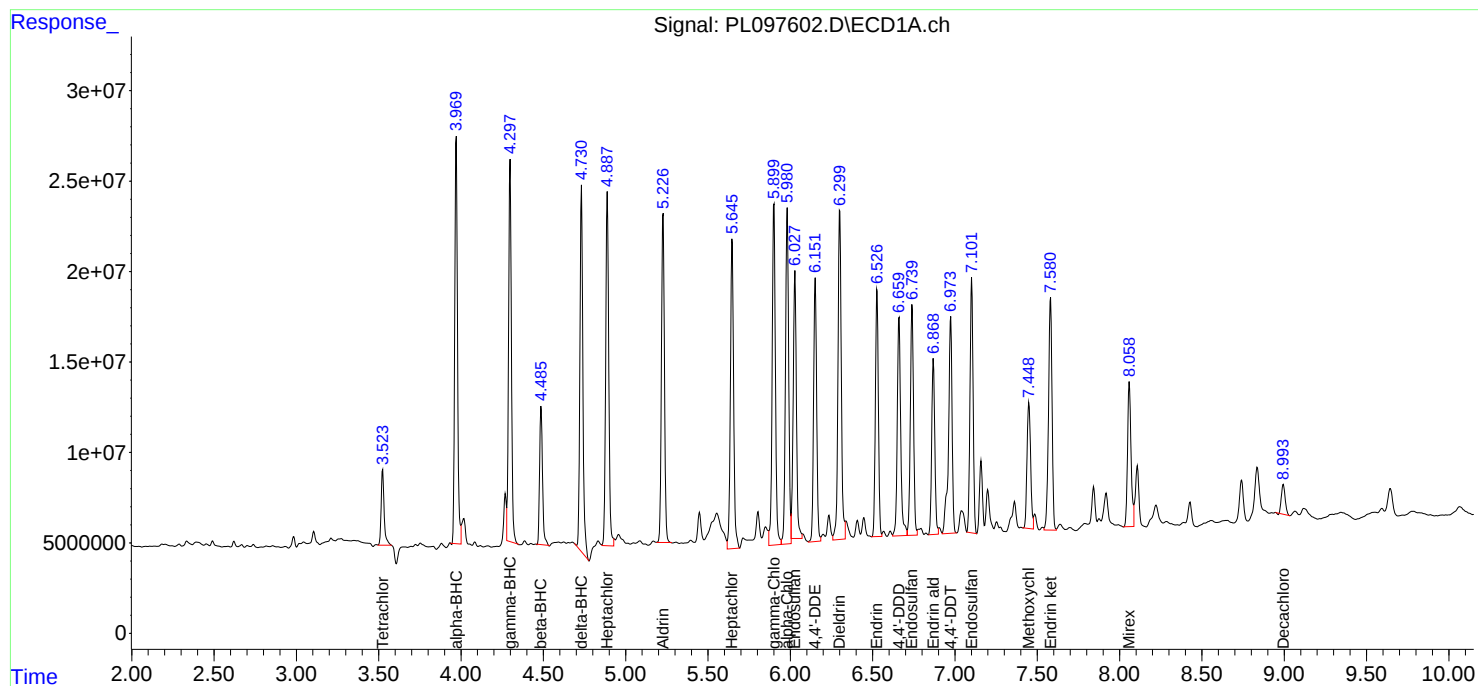
## APPROVED

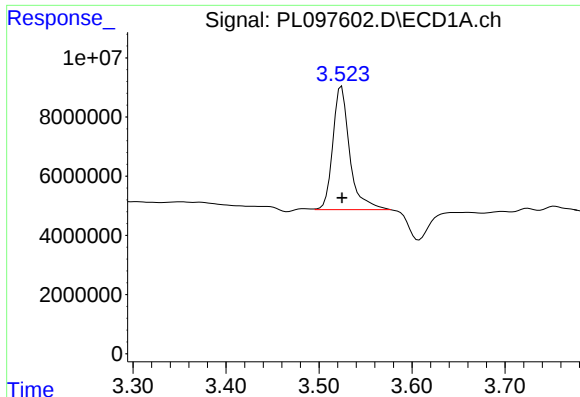
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:19:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





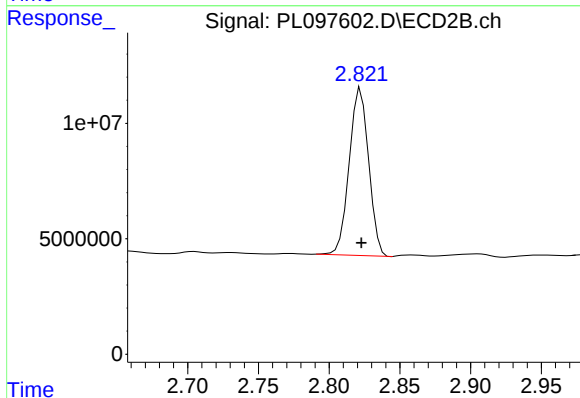
#1 Tetrachloro-m-xylene

R.T.: 3.523 min  
Delta R.T.: -0.002 min  
Response: 52559009  
Conc: 12.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

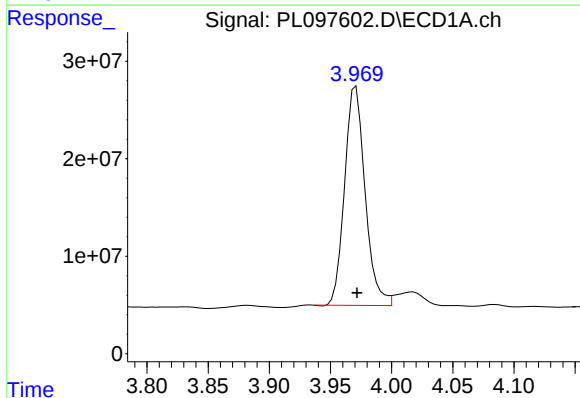
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



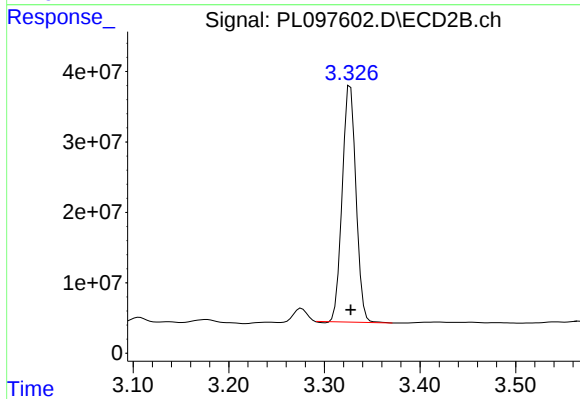
#1 Tetrachloro-m-xylene

R.T.: 2.822 min  
Delta R.T.: 0.000 min  
Response: 69633698  
Conc: 11.44 ng/ml



#2 alpha-BHC

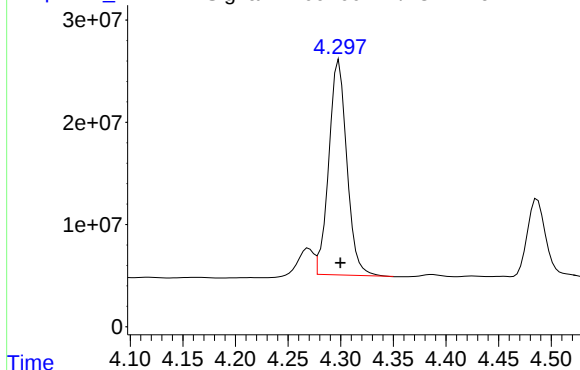
R.T.: 3.971 min  
Delta R.T.: 0.000 min  
Response: 261618367  
Conc: 38.78 ng/ml



#2 alpha-BHC

R.T.: 3.327 min  
Delta R.T.: 0.000 min  
Response: 336454172  
Conc: 34.10 ng/ml

Response\_ Signal: PL097602.D\ECD1A.ch



#3 gamma-BHC (Lindane)

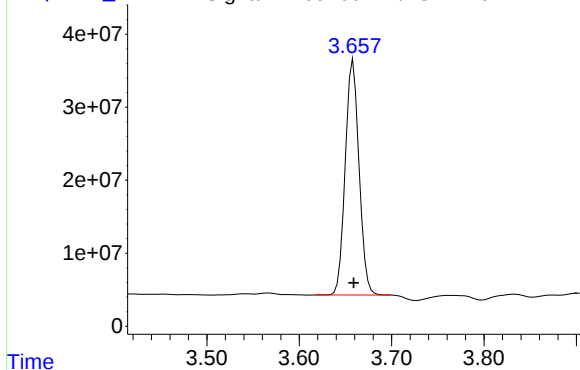
R.T.: 4.297 min  
Delta R.T.: -0.003 min  
Response: 248123279  
Conc: 39.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

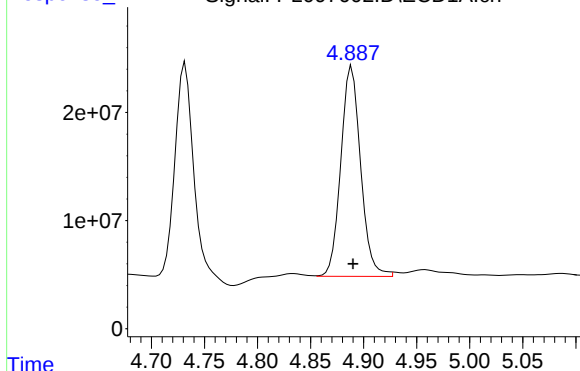
Response\_ Signal: PL097602.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 334569930  
Conc: 36.42 ng/ml

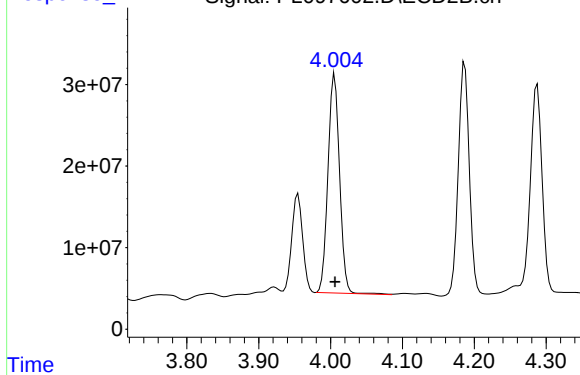
Response\_ Signal: PL097602.D\ECD1A.ch



#4 Heptachlor

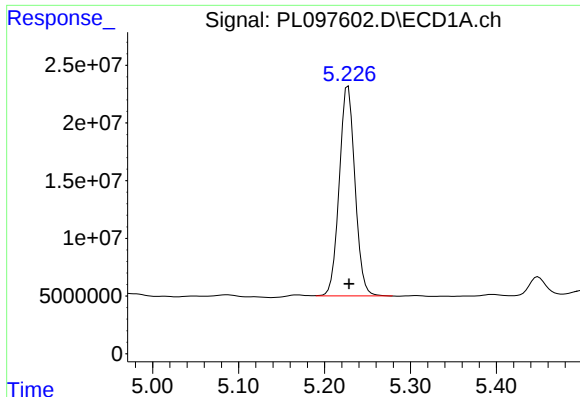
R.T.: 4.887 min  
Delta R.T.: -0.003 min  
Response: 252165910  
Conc: 39.09 ng/ml m

Response\_ Signal: PL097602.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 301321863  
Conc: 32.78 ng/ml



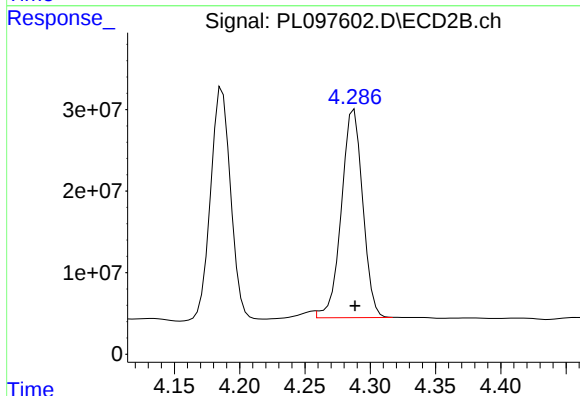
#5 Aldrin

R.T.: 5.226 min  
Delta R.T.: -0.003 min  
Response: 230685377  
Conc: 38.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

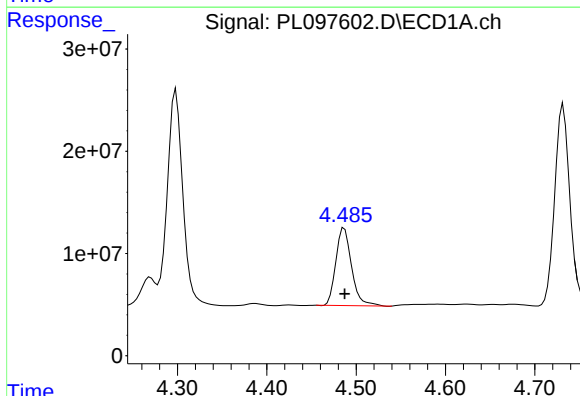
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



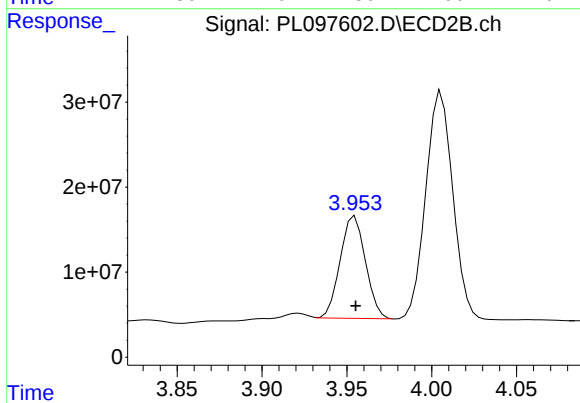
#5 Aldrin

R.T.: 4.286 min  
Delta R.T.: -0.002 min  
Response: 290343955  
Conc: 33.48 ng/ml m



#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 92854017  
Conc: 35.91 ng/ml

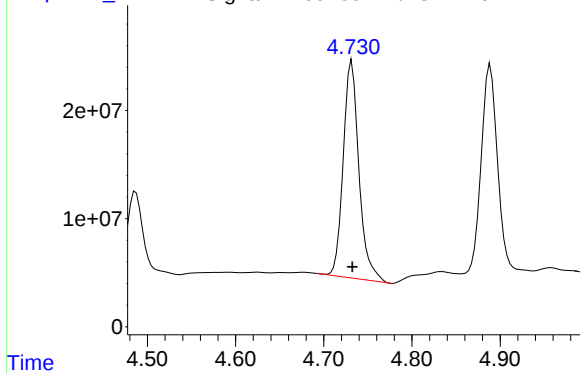


#6 beta-BHC

R.T.: 3.953 min  
Delta R.T.: -0.002 min  
Response: 124733327  
Conc: 31.35 ng/ml m

Response\_ Signal: PL097602.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 249556608  
Conc: 41.10 ng/ml

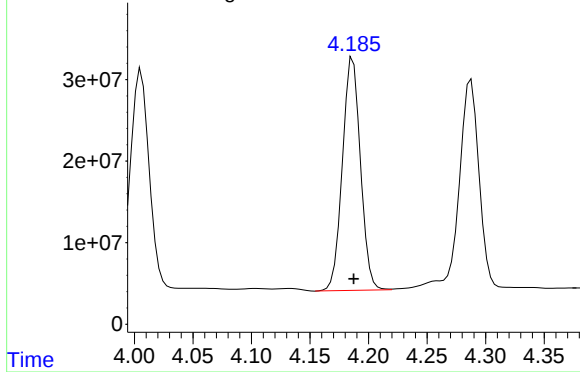
Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

Response\_ Signal: PL097602.D\ECD2B.ch

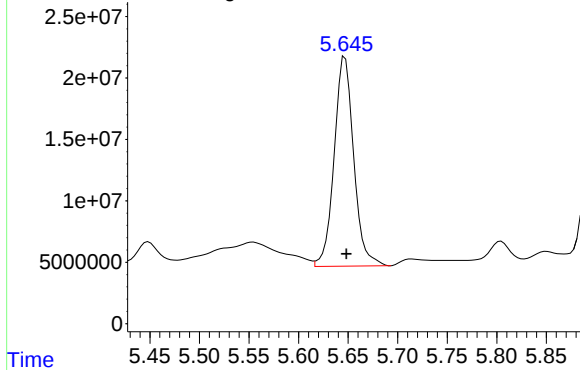
#7 delta-BHC



R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 306569631  
Conc: 33.94 ng/ml

Response\_ Signal: PL097602.D\ECD1A.ch

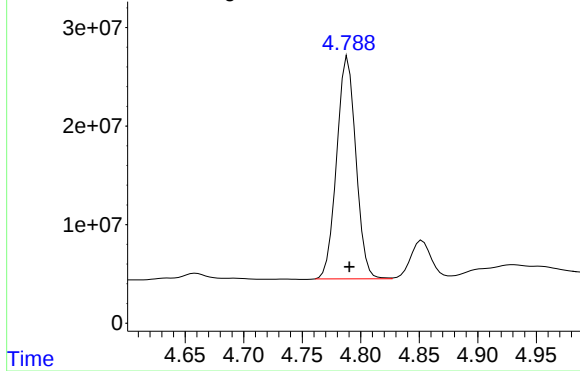
#8 Heptachlor epoxide



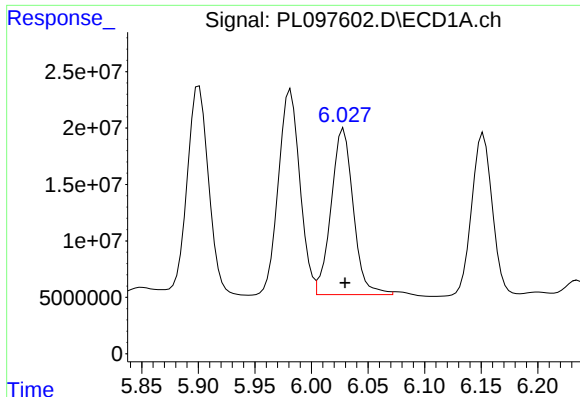
R.T.: 5.647 min  
Delta R.T.: -0.002 min  
Response: 233999023  
Conc: 40.19 ng/ml

Response\_ Signal: PL097602.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.789 min  
Delta R.T.: -0.001 min  
Response: 257770243  
Conc: 32.64 ng/ml



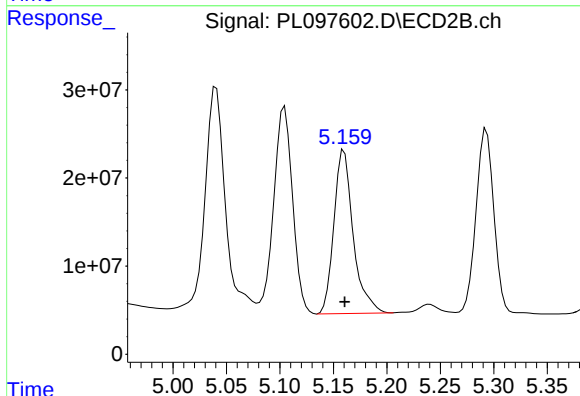
## #9 Endosulfan I

R.T.: 6.027 min  
Delta R.T.: -0.003 min  
Response: 200120637  
Conc: 40.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

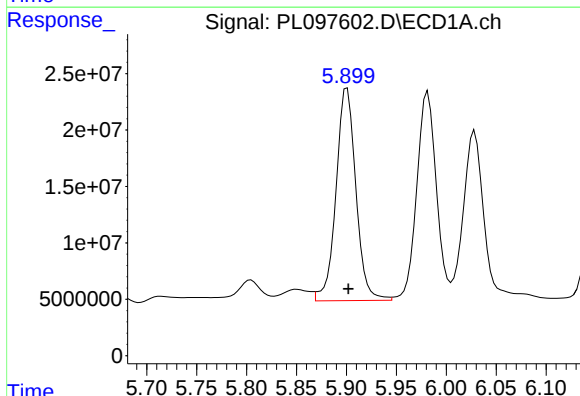
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



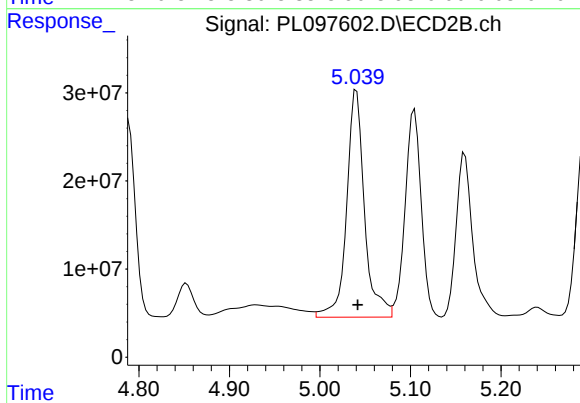
## #9 Endosulfan I

R.T.: 5.160 min  
Delta R.T.: 0.000 min  
Response: 233361926  
Conc: 31.65 ng/ml



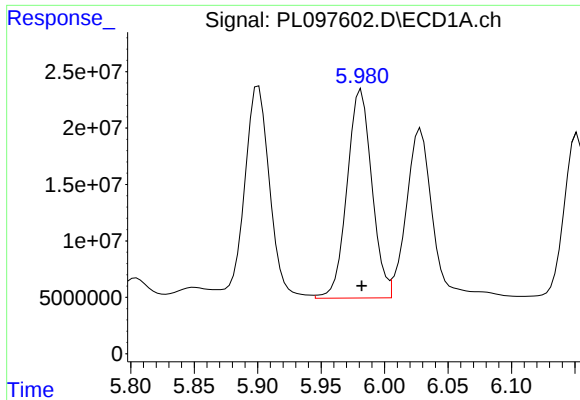
## #10 gamma-Chlordane

R.T.: 5.901 min  
Delta R.T.: -0.001 min  
Response: 261246268  
Conc: 48.13 ng/ml



## #10 gamma-Chlordane

R.T.: 5.040 min  
Delta R.T.: -0.002 min  
Response: 354438687  
Conc: 40.77 ng/ml



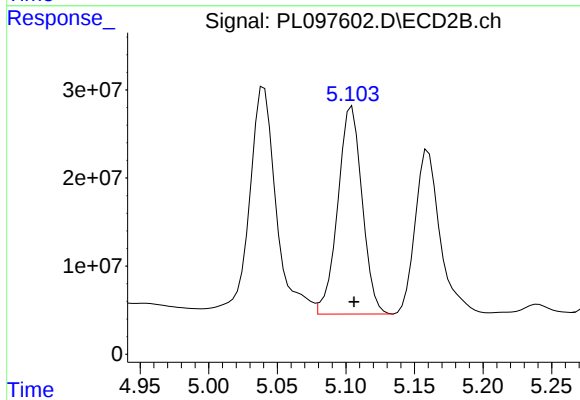
#11 alpha-Chlordane

R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 251249989  
Conc: 46.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

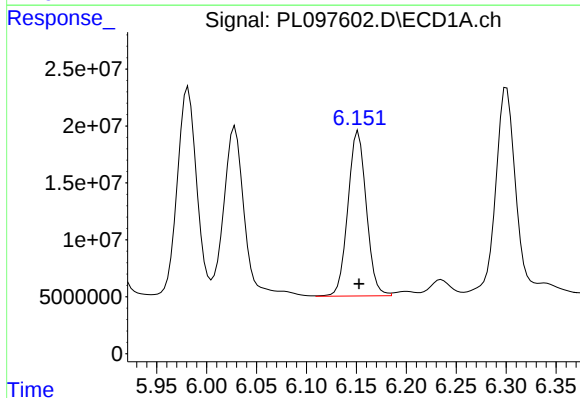
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



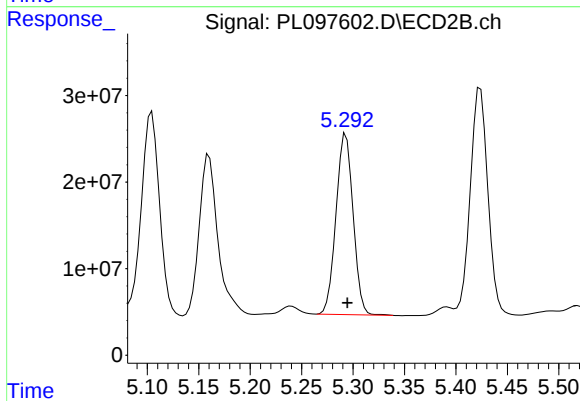
#11 alpha-Chlordane

R.T.: 5.104 min  
Delta R.T.: -0.002 min  
Response: 291255975  
Conc: 34.98 ng/ml



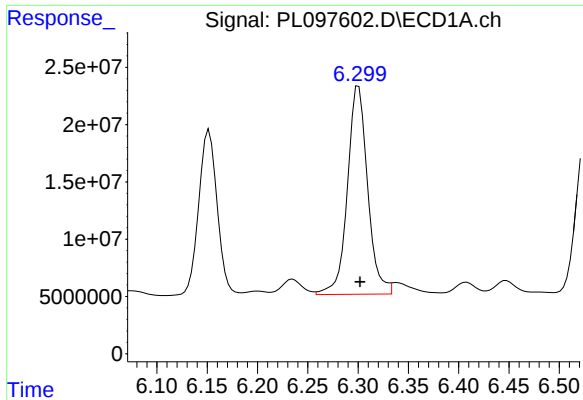
#12 4,4'-DDE

R.T.: 6.152 min  
Delta R.T.: 0.000 min  
Response: 185721454  
Conc: 39.88 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min  
Delta R.T.: -0.001 min  
Response: 241337021  
Conc: 31.79 ng/ml



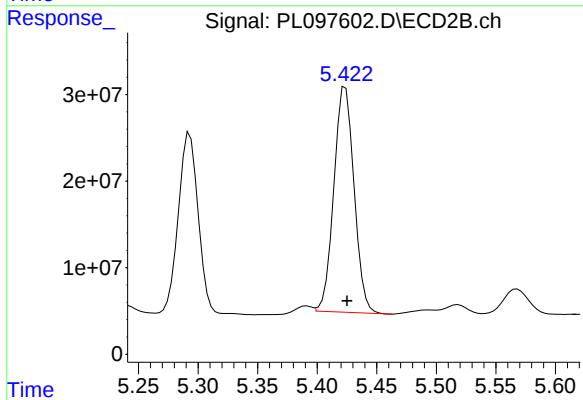
#13 Dieldrin

R.T.: 6.301 min  
Delta R.T.: -0.001 min  
Response: 253916402  
Conc: 48.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

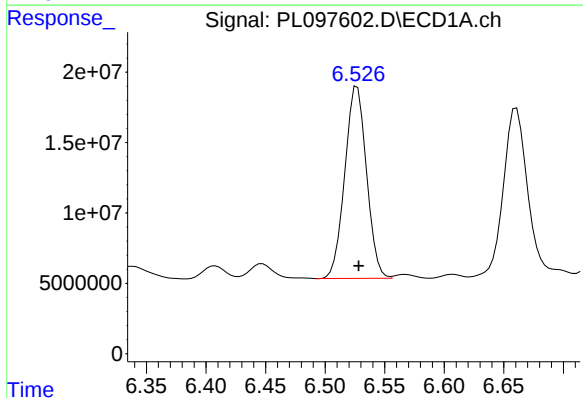
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



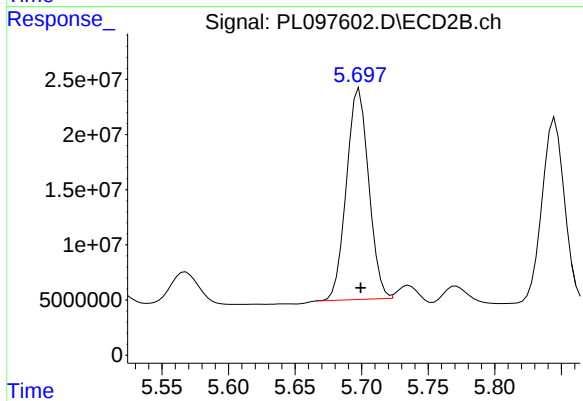
#13 Dieldrin

R.T.: 5.424 min  
Delta R.T.: -0.001 min  
Response: 307338463  
Conc: 37.17 ng/ml



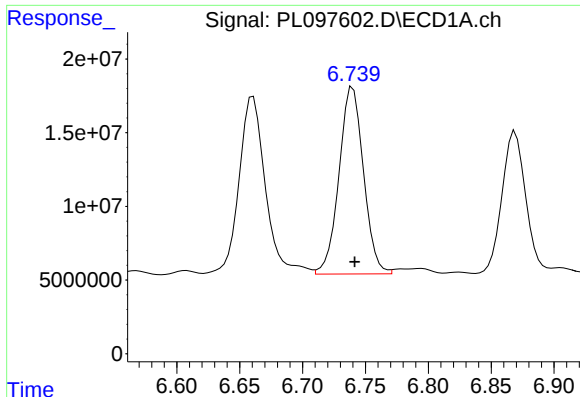
#14 Endrin

R.T.: 6.527 min  
Delta R.T.: -0.001 min  
Response: 173129318  
Conc: 38.69 ng/ml



#14 Endrin

R.T.: 5.698 min  
Delta R.T.: -0.001 min  
Response: 223167047  
Conc: 30.15 ng/ml



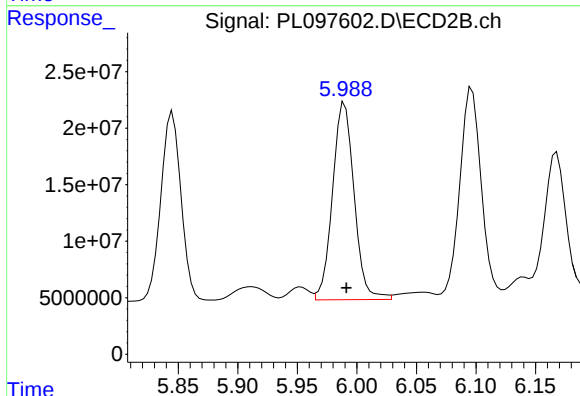
## #15 Endosulfan II

R.T.: 6.740 min  
Delta R.T.: -0.001 min  
Response: 172023551  
Conc: 35.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

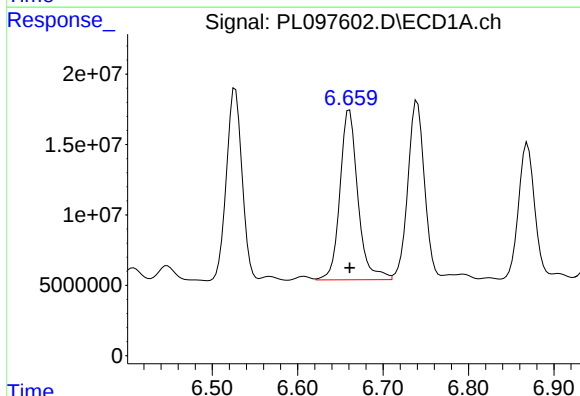
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



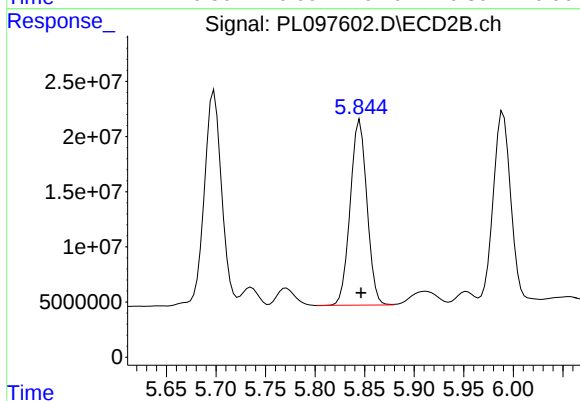
## #15 Endosulfan II

R.T.: 5.990 min  
Delta R.T.: -0.002 min  
Response: 220176275  
Conc: 31.89 ng/ml



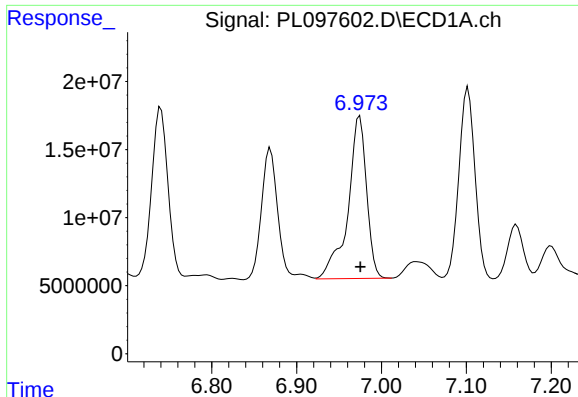
## #16 4,4'-DDD

R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 176682804  
Conc: 46.82 ng/ml



## #16 4,4'-DDD

R.T.: 5.845 min  
Delta R.T.: -0.001 min  
Response: 197479689  
Conc: 30.96 ng/ml



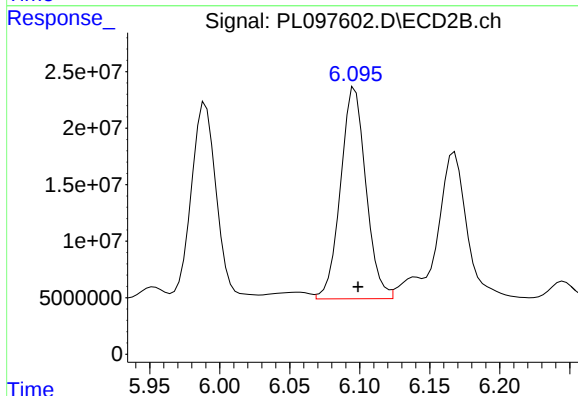
#17 4,4'-DDT

R.T.: 6.974 min  
Delta R.T.: 0.000 min  
Response: 181990027  
Conc: 44.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

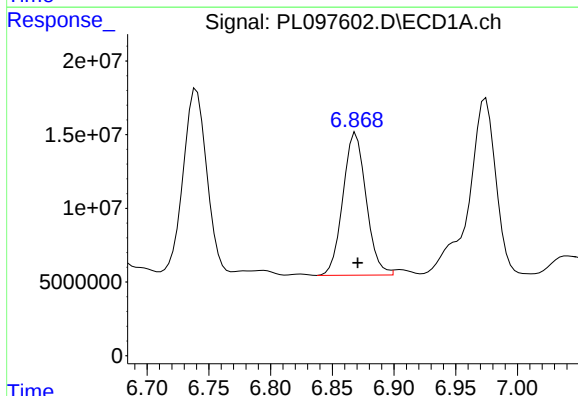
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



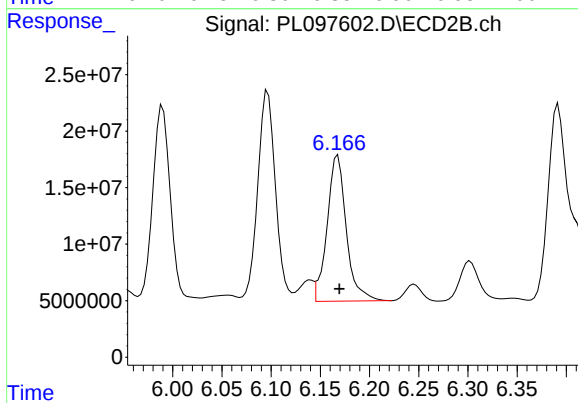
#17 4,4'-DDT

R.T.: 6.097 min  
Delta R.T.: -0.002 min  
Response: 236175341  
Conc: 35.44 ng/ml



#18 Endrin aldehyde

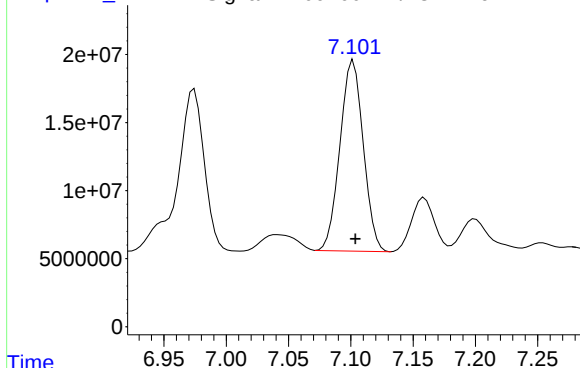
R.T.: 6.869 min  
Delta R.T.: -0.002 min  
Response: 126264332  
Conc: 38.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.168 min  
Delta R.T.: -0.002 min  
Response: 175151737  
Conc: 30.42 ng/ml

Response\_ Signal: PL097602.D\ECD1A.ch



#19 Endosulfan Sulfate

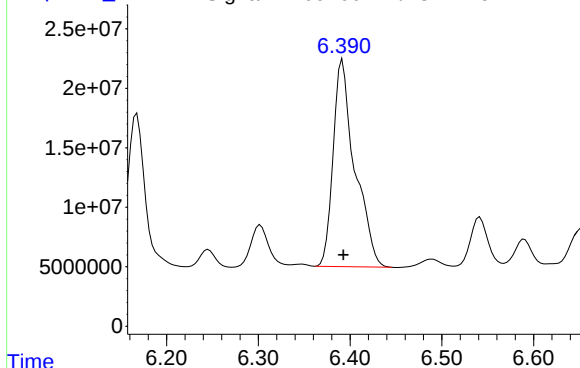
R.T.: 7.101 min  
Delta R.T.: -0.003 min  
Response: 183327116  
Conc: 45.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

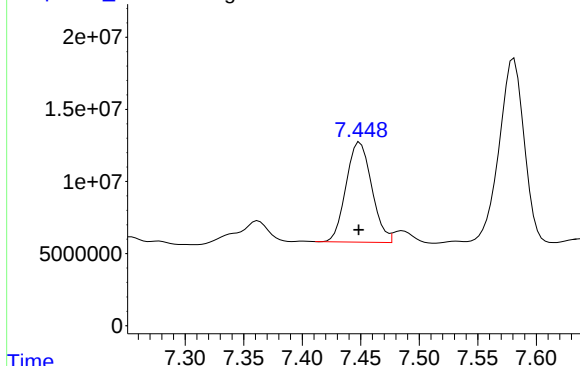
Time Response\_ Signal: PL097602.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.392 min  
Delta R.T.: 0.000 min  
Response: 284819924  
Conc: 42.78 ng/ml

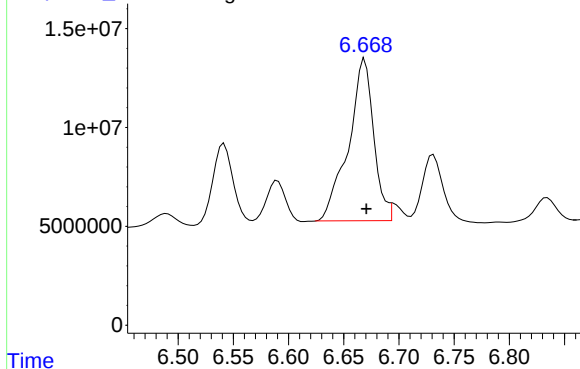
Time Response\_ Signal: PL097602.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.449 min  
Delta R.T.: 0.001 min  
Response: 105654048  
Conc: 50.58 ng/ml

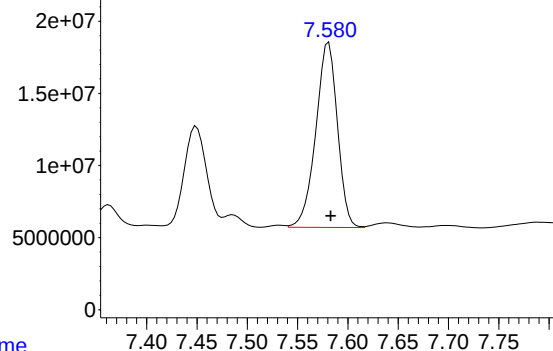
Time Response\_ Signal: PL097602.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.668 min  
Delta R.T.: -0.003 min  
Response: 130253215  
Conc: 35.73 ng/ml m

Response\_ Signal: PL097602.D\ECD1A.ch



#21 Endrin ketone

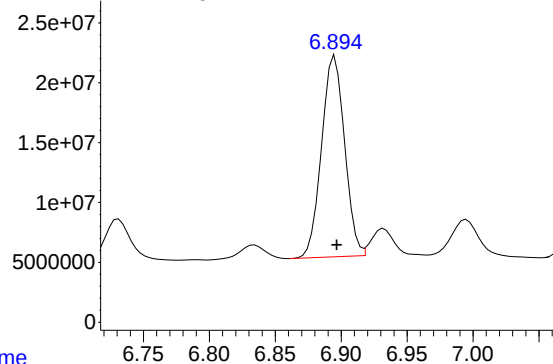
R.T.: 7.581 min  
Delta R.T.: -0.002 min  
Response: 191372827  
Conc: 44.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025

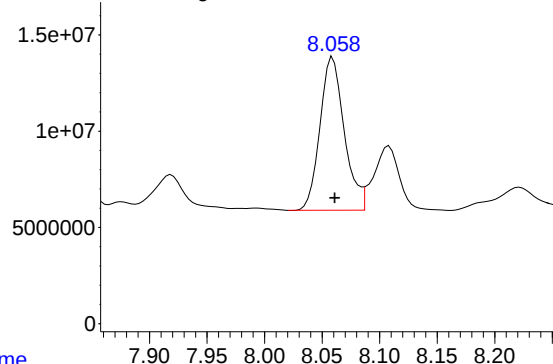
Time Response\_ Signal: PL097602.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.895 min  
Delta R.T.: -0.001 min  
Response: 203480977  
Conc: 25.76 ng/ml

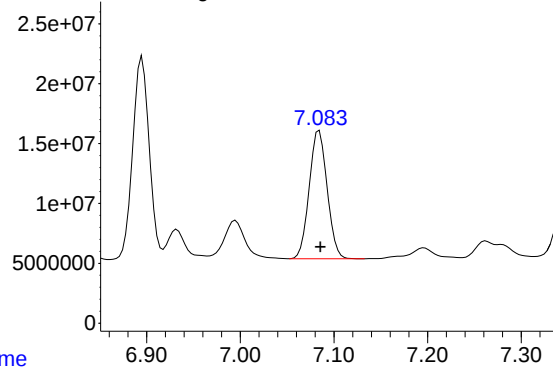
Time Response\_ Signal: PL097602.D\ECD1A.ch



#22 Mirex

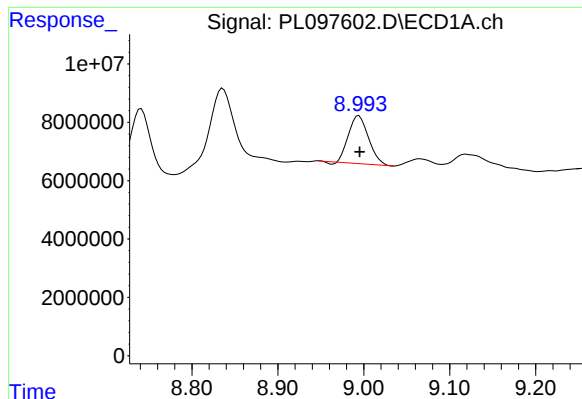
R.T.: 8.059 min  
Delta R.T.: -0.002 min  
Response: 117301083  
Conc: 37.75 ng/ml

Time Response\_ Signal: PL097602.D\ECD2B.ch



#22 Mirex

R.T.: 7.084 min  
Delta R.T.: -0.001 min  
Response: 142699745  
Conc: 26.67 ng/ml



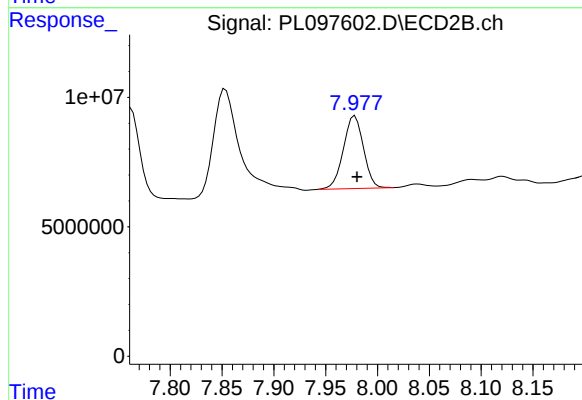
#28 Decachlorobiphenyl

R.T.: 8.994 min  
Delta R.T.: -0.001 min  
Response: 26538482  
Conc: 8.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.978 min  
Delta R.T.: -0.002 min  
Response: 37876209  
Conc: 7.30 ng/ml

## Report of Analysis

|                    |                        |                    |               |
|--------------------|------------------------|--------------------|---------------|
| Client:            | Weston Solutions, Inc. | Date Collected:    | 10/07/25      |
| Project:           | RFP 918                | Date Received:     | 10/08/25      |
| Client Sample ID:  | SS-01-0-1MSD           | SDG No.:           | Q3321         |
| Lab Sample ID:     | Q3310-01MSD            | Matrix:            | SOIL          |
| Analytical Method: | 8081B                  | % Solid:           | 65.3          |
| Sample Wt/Vol:     | 30.06                  | Units:             | g             |
| Soil Aliquot Vol:  |                        |                    | uL            |
| Extraction Type:   |                        | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                    | Injection Volume : |               |
| Prep Method :      | SW3541B                |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097603.D        | 1         | 10/10/25 09:06 | 10/10/25 14:38 | PB170054      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 21.4  |           | 0.20     | 2.60       | ug/kg             |
| 319-85-7          | beta-BHC             | 19.5  |           | 0.28     | 2.60       | ug/kg             |
| 319-86-8          | delta-BHC            | 22.3  |           | 0.60     | 2.60       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 21.5  |           | 0.21     | 2.60       | ug/kg             |
| 76-44-8           | Heptachlor           | 20.5  |           | 0.18     | 2.60       | ug/kg             |
| 309-00-2          | Aldrin               | 21.3  |           | 0.18     | 2.60       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 21.4  |           | 0.29     | 2.60       | ug/kg             |
| 959-98-8          | Endosulfan I         | 22.5  |           | 0.21     | 2.60       | ug/kg             |
| 60-57-1           | Dieldrin             | 27.5  |           | 0.21     | 2.60       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 21.3  |           | 0.21     | 2.60       | ug/kg             |
| 72-20-8           | Endrin               | 20.9  |           | 0.21     | 2.60       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 18.3  |           | 0.44     | 2.60       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 25.4  | P         | 0.23     | 2.60       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 24.8  |           | 0.20     | 2.60       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 24.1  |           | 0.21     | 2.60       | ug/kg             |
| 72-43-5           | Methoxychlor         | 27.2  |           | 0.57     | 2.60       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 24.0  | P         | 0.29     | 2.60       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 20.8  |           | 0.57     | 2.60       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 24.3  |           | 0.18     | 2.60       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 24.8  |           | 0.23     | 2.60       | ug/kg             |
| 8001-35-2         | Toxaphene            | 8.30  | U         | 8.30     | 50.4       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 10.5  |           | 20 - 144 | 53%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 13.5  |           | 19 - 148 | 68%        | SPK: 20           |

## Report of Analysis

|                    |                        |          |                    |               |           |
|--------------------|------------------------|----------|--------------------|---------------|-----------|
| Client:            | Weston Solutions, Inc. |          | Date Collected:    | 10/07/25      |           |
| Project:           | RFP 918                |          | Date Received:     | 10/08/25      |           |
| Client Sample ID:  | SS-01-0-1MSD           |          | SDG No.:           | Q3321         |           |
| Lab Sample ID:     | Q3310-01MSD            |          | Matrix:            | SOIL          |           |
| Analytical Method: | 8081B                  |          | % Solid:           | 65.3          | Decanted: |
| Sample Wt/Vol:     | 30.06                  | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                        | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                        |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                    | PH :     |                    |               |           |
| Prep Method :      | SW3541B                |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL097603.D        | 1         | 10/10/25 09:06 | 10/10/25 14:38 | PB170054      |

| 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\PL101025\  
 Data File : PL097603.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2025 14:38  
 Operator : AR\AJ  
 Sample : Q3310-01MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SS-01-0-1MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/13/2025  
 Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 07:19:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.524 | 2.823 | 55132180 | 74708942 | 13.524m | 12.275   |
| 2)                          | SA Decachlor... | 8.994 | 7.978 | 31255707 | 39659800 | 10.511  | 7.643 #  |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.970 | 3.328 | 283.2E6  | 361.1E6  | 41.986m | 36.599   |
| 3)                          | MA gamma-BHC... | 4.298 | 3.659 | 268.0E6  | 357.5E6  | 42.156m | 38.918   |
| 4)                          | MA Heptachlor   | 4.888 | 4.006 | 259.5E6  | 319.0E6  | 40.234m | 34.698   |
| 5)                          | MB Aldrin       | 5.228 | 4.288 | 250.9E6  | 323.4E6  | 41.727  | 37.289   |
| 6)                          | B beta-BHC      | 4.488 | 3.955 | 98801206 | 128.5E6  | 38.214  | 32.305   |
| 7)                          | B delta-BHC     | 4.732 | 4.187 | 265.3E6  | 326.0E6  | 43.684  | 36.087   |
| 8)                          | B Heptachlo...  | 5.647 | 4.789 | 245.0E6  | 272.2E6  | 42.081  | 34.470   |
| 9)                          | A Endosulfan I  | 6.027 | 5.160 | 219.4E6  | 245.7E6  | 44.128m | 33.323   |
| 10)                         | B gamma-Chl...  | 5.901 | 5.041 | 264.1E6  | 373.3E6  | 48.660  | 42.936   |
| 11)                         | B alpha-Chl...  | 5.981 | 5.105 | 258.5E6  | 305.3E6  | 47.641  | 36.668   |
| 12)                         | B 4,4'-DDE      | 6.152 | 5.293 | 194.9E6  | 253.3E6  | 41.843  | 33.368   |
| 13)                         | MA Dieldrin     | 6.301 | 5.424 | 284.4E6  | 323.0E6  | 54.066  | 39.065 # |
| 14)                         | MA Endrin       | 6.527 | 5.698 | 183.8E6  | 231.5E6  | 41.074  | 31.280   |
| 15)                         | B Endosulfa...  | 6.740 | 5.990 | 175.7E6  | 228.7E6  | 35.912  | 33.117   |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.845 | 188.0E6  | 204.8E6  | 49.833  | 32.110 # |
| 17)                         | MA 4,4'-DDT     | 6.974 | 6.097 | 192.2E6  | 246.6E6  | 47.400  | 37.008   |
| 18)                         | B Endrin al...  | 6.869 | 6.168 | 133.6E6  | 178.2E6  | 40.760  | 30.954   |
| 19)                         | B Endosulfa...  | 7.101 | 6.392 | 195.0E6  | 295.3E6  | 48.622m | 44.350   |
| 20)                         | A Methoxychlor  | 7.449 | 6.668 | 111.5E6  | 136.5E6  | 53.368  | 37.459m# |
| 21)                         | B Endrin ke...  | 7.581 | 6.896 | 201.5E6  | 209.2E6  | 47.051  | 26.478 # |
| 22)                         | Mirex           | 8.059 | 7.085 | 125.9E6  | 146.1E6  | 40.520  | 27.314 # |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101025\  
Data File : PL097603.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2025 14:38  
Operator : AR\AJ  
Sample : Q3310-01MSD  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

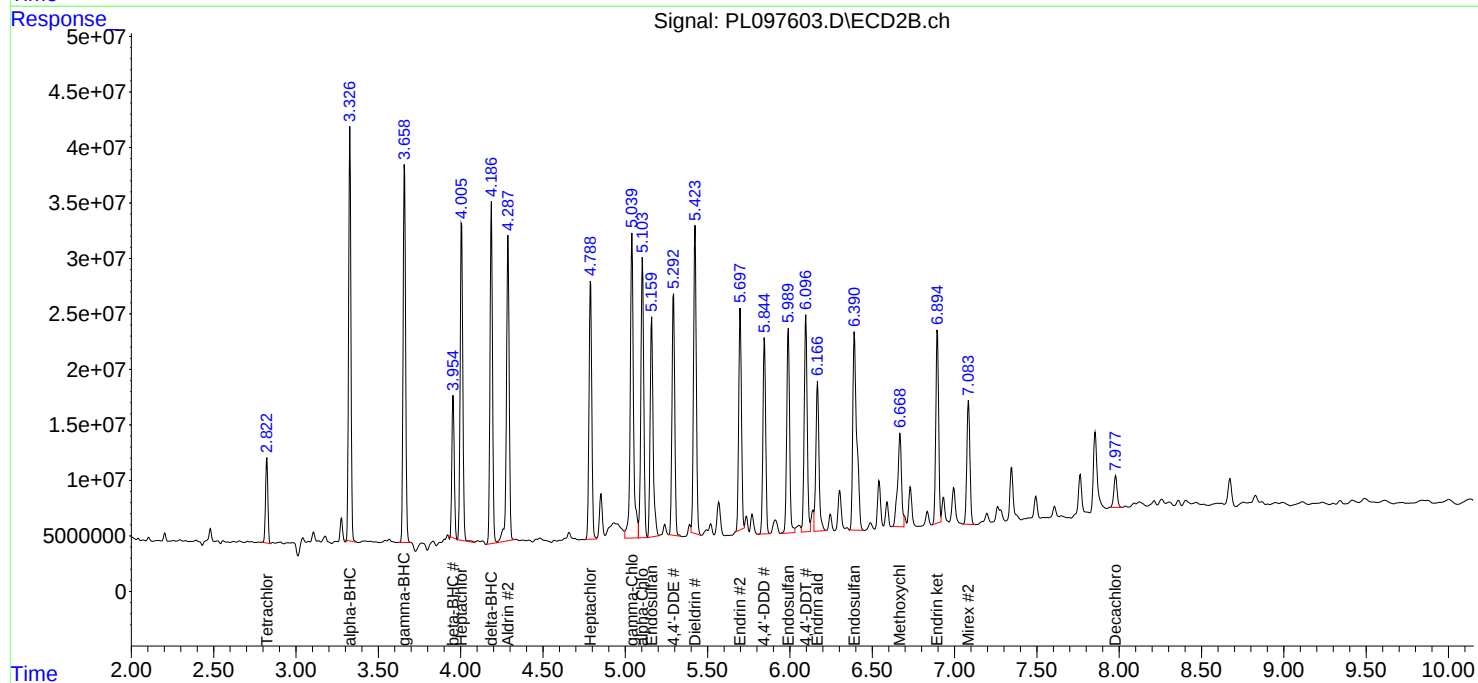
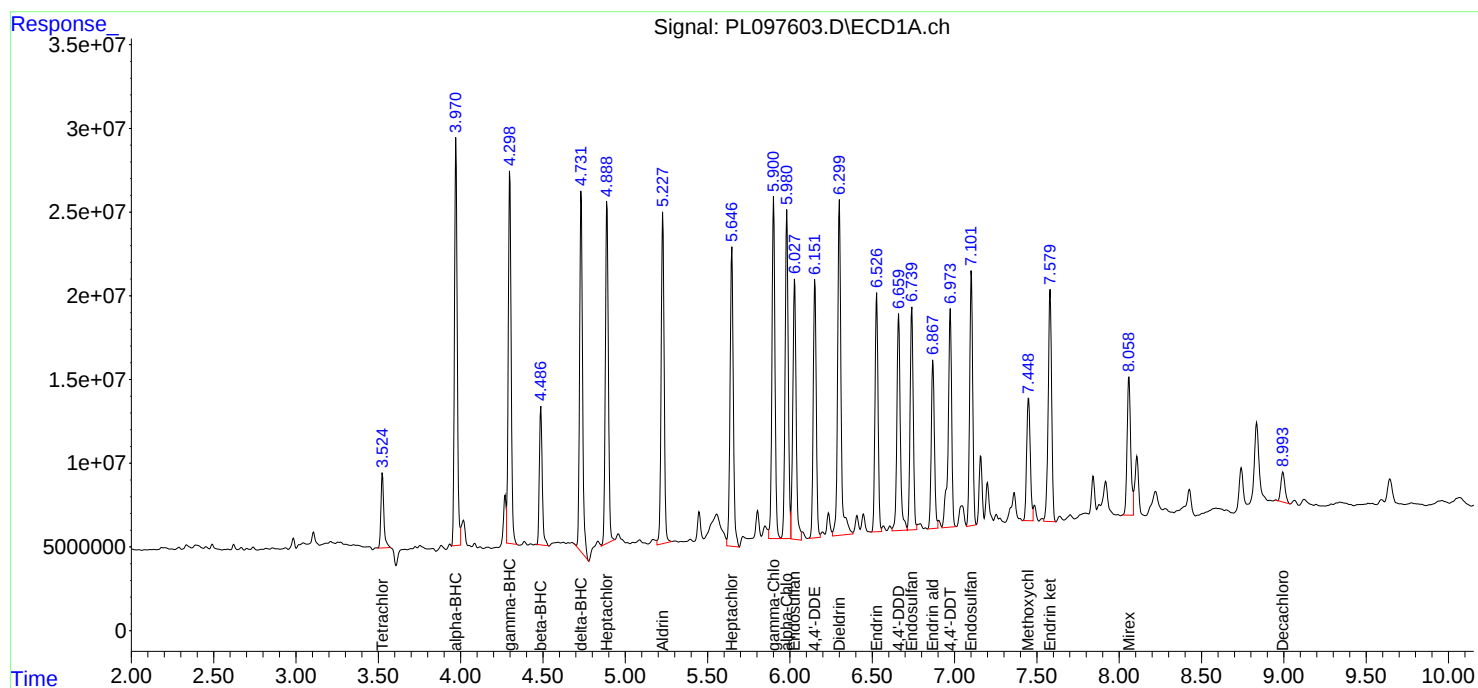
Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

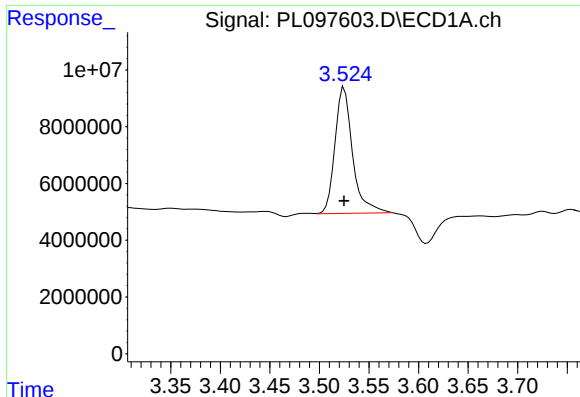
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Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 07:19:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





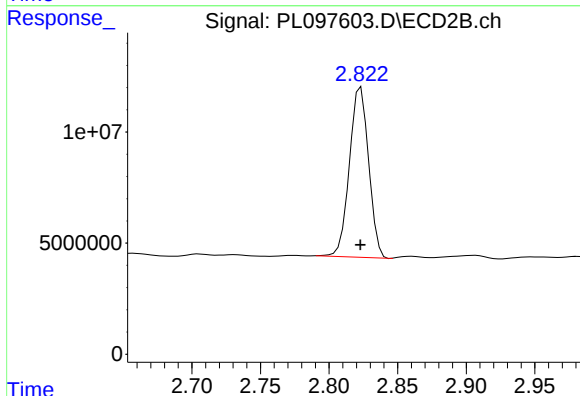
#1 Tetrachloro-m-xylene

R.T.: 3.524 min  
Delta R.T.: -0.001 min  
Response: 55132180  
Conc: 13.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

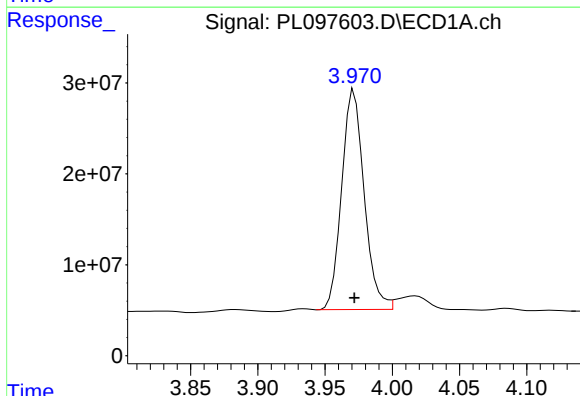
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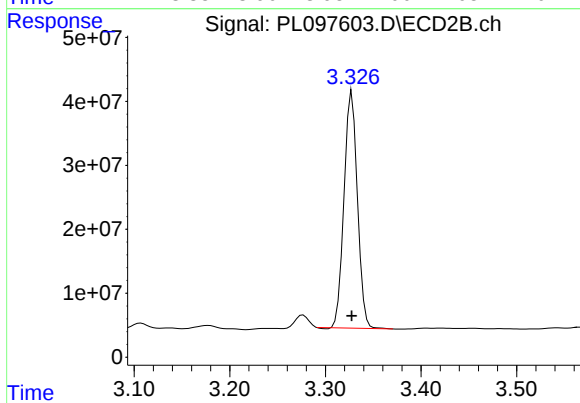
#1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 74708942  
Conc: 12.27 ng/ml



#2 alpha-BHC

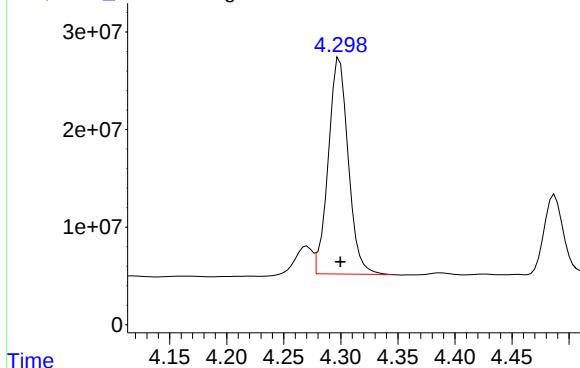
R.T.: 3.970 min  
Delta R.T.: -0.002 min  
Response: 283222058  
Conc: 41.99 ng/ml m



#2 alpha-BHC

R.T.: 3.328 min  
Delta R.T.: 0.000 min  
Response: 361119452  
Conc: 36.60 ng/ml

Response\_ Signal: PL097603.D\ECD1A.ch



#3 gamma-BHC (Lindane)

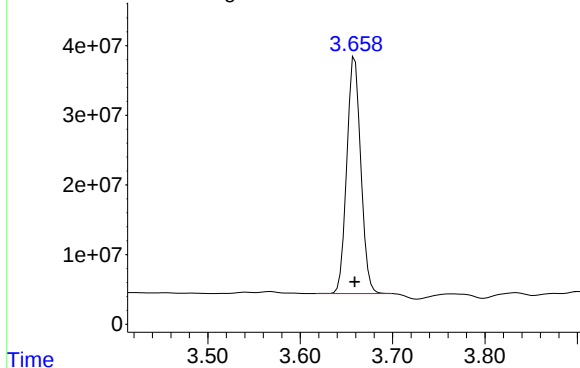
R.T.: 4.298 min  
Delta R.T.: -0.002 min  
Response: 267958321  
Conc: 42.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

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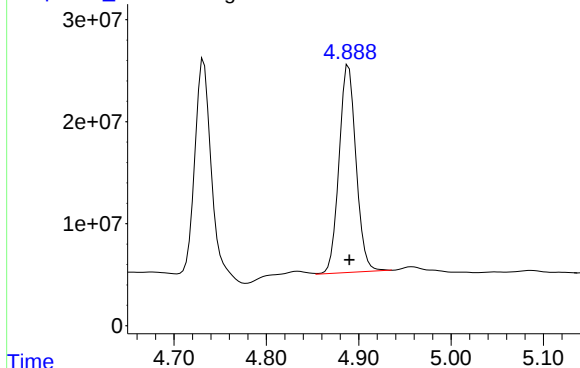
Response\_ Signal: PL097603.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 357545987  
Conc: 38.92 ng/ml

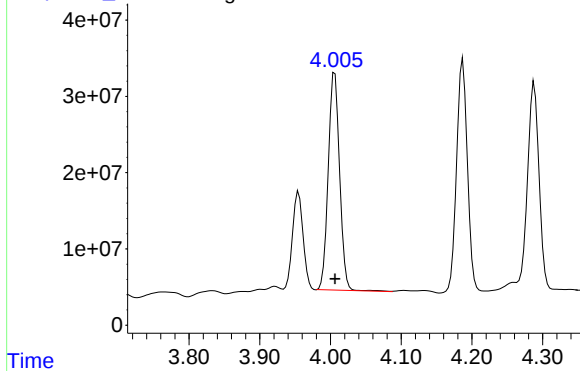
Response\_ Signal: PL097603.D\ECD1A.ch



#4 Heptachlor

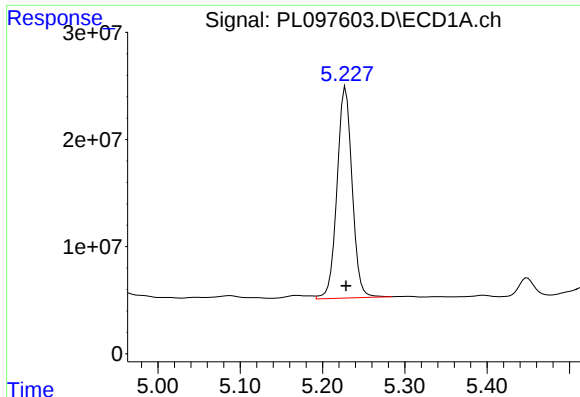
R.T.: 4.888 min  
Delta R.T.: -0.002 min  
Response: 259534932  
Conc: 40.23 ng/ml m

Response\_ Signal: PL097603.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 318956569  
Conc: 34.70 ng/ml



#5 Aldrin

R.T.: 5.228 min  
Delta R.T.: 0.000 min  
Response: 250890725  
Conc: 41.73 ng/ml

Instrument :

ECD\_L

ClientSampleId :

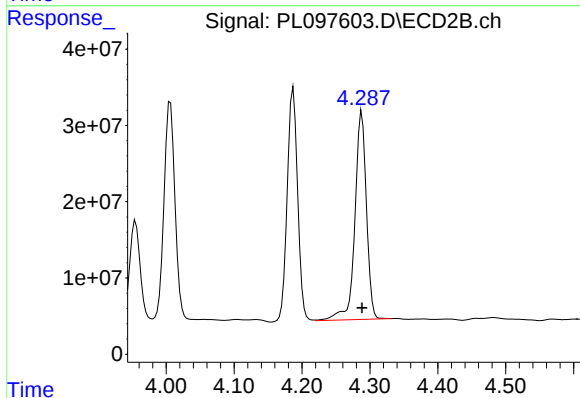
SS-01-0-1MSD

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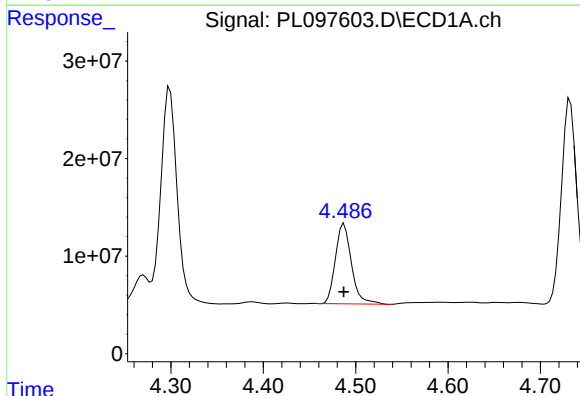
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025



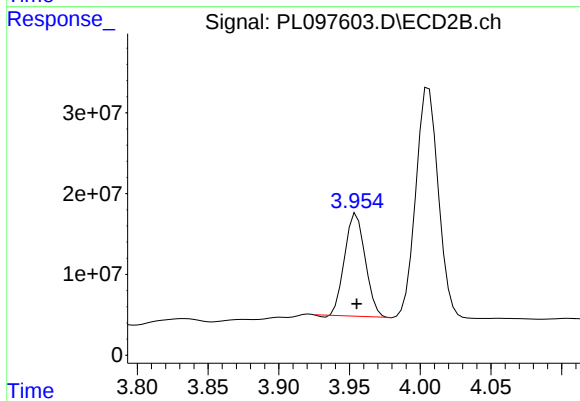
#5 Aldrin

R.T.: 4.288 min  
Delta R.T.: 0.000 min  
Response: 323360212  
Conc: 37.29 ng/ml



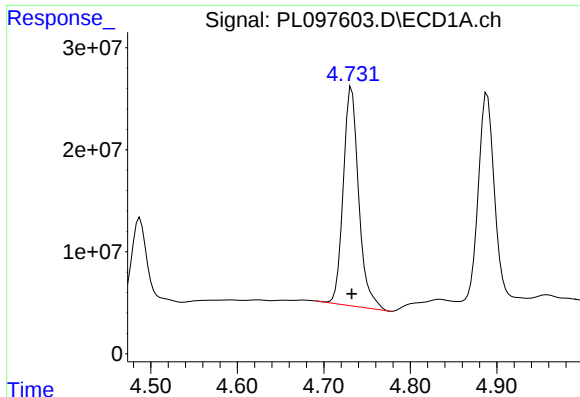
#6 beta-BHC

R.T.: 4.488 min  
Delta R.T.: 0.000 min  
Response: 98801206  
Conc: 38.21 ng/ml



#6 beta-BHC

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 128512118  
Conc: 32.30 ng/ml



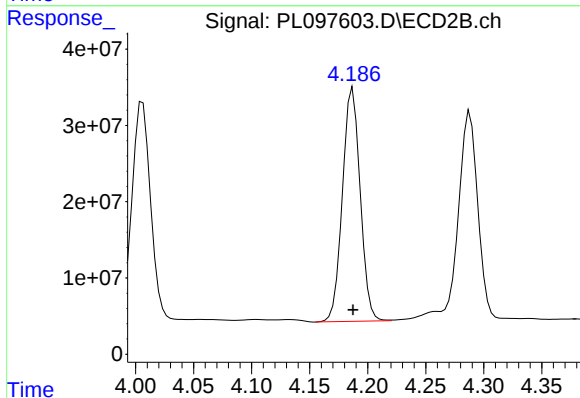
#7 delta-BHC

R.T.: 4.732 min  
Delta R.T.: 0.000 min  
Response: 265275032  
Conc: 43.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

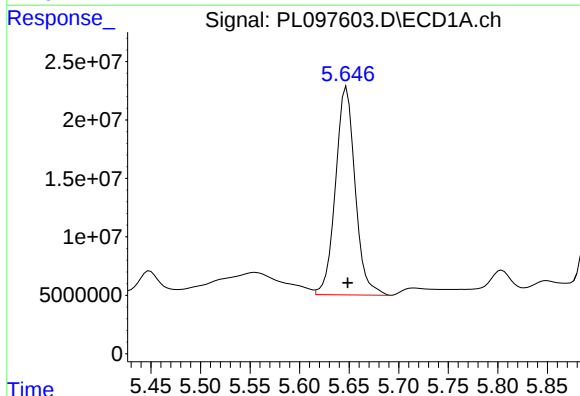
Manual Integrations  
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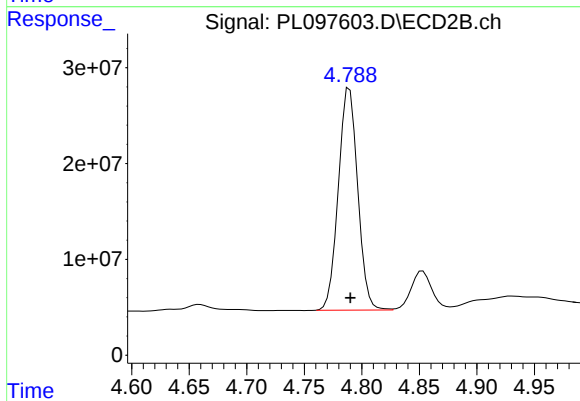
#7 delta-BHC

R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 326007796  
Conc: 36.09 ng/ml



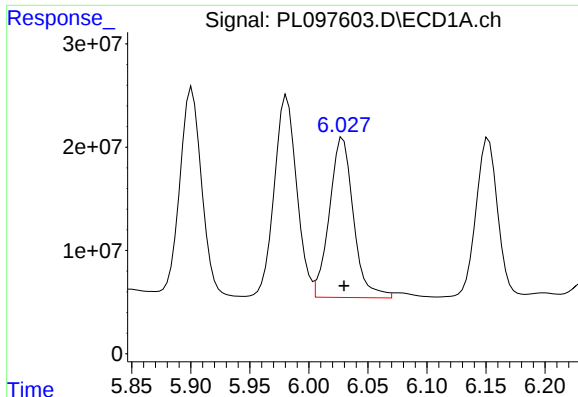
#8 Heptachlor epoxide

R.T.: 5.647 min  
Delta R.T.: 0.000 min  
Response: 245005385  
Conc: 42.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.789 min  
Delta R.T.: 0.000 min  
Response: 272243717  
Conc: 34.47 ng/ml



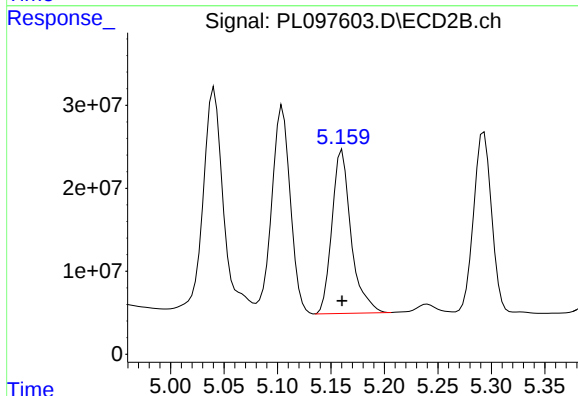
## #9 Endosulfan I

R.T.: 6.027 min  
Delta R.T.: -0.002 min  
Response: 219377930  
Conc: 44.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

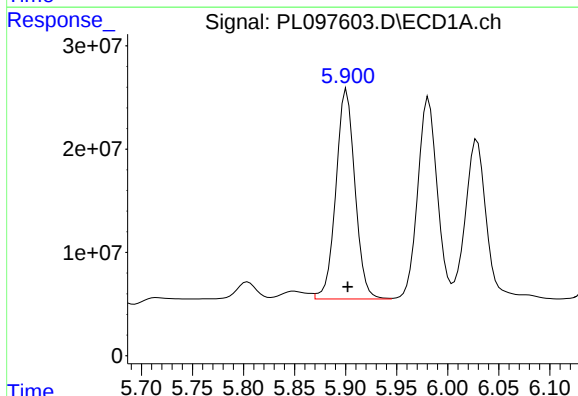
**Manual Integrations  
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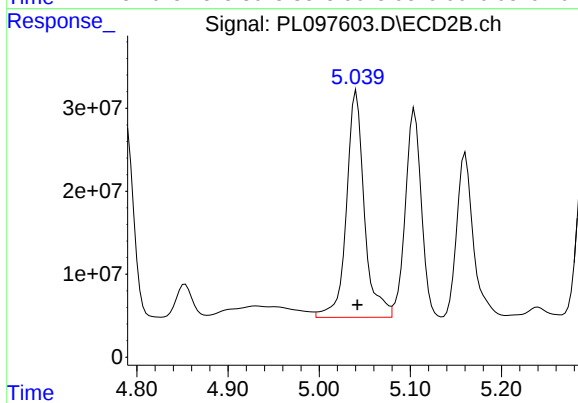
## #9 Endosulfan I

R.T.: 5.160 min  
Delta R.T.: 0.000 min  
Response: 245732709  
Conc: 33.32 ng/ml



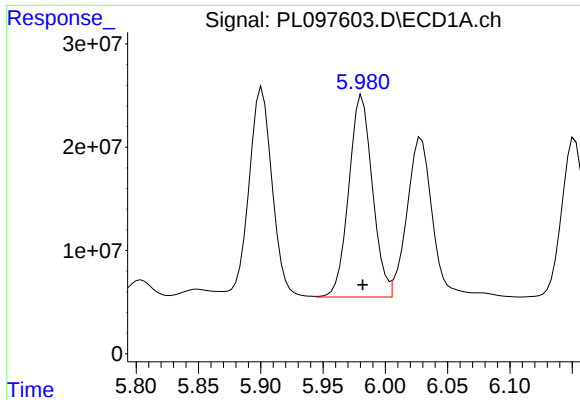
## #10 gamma-Chlordane

R.T.: 5.901 min  
Delta R.T.: 0.000 min  
Response: 264098034  
Conc: 48.66 ng/ml



## #10 gamma-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 373252187  
Conc: 42.94 ng/ml



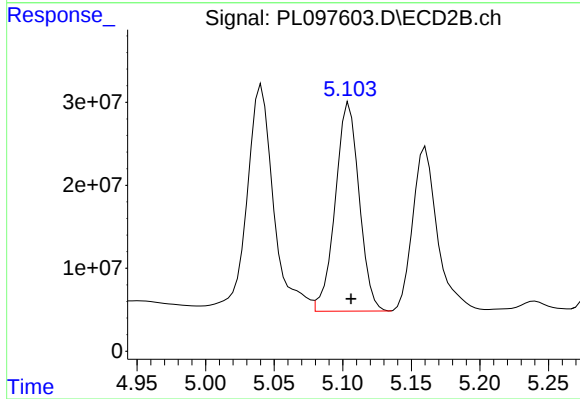
#11 alpha-Chlordane

R.T.: 5.981 min  
Delta R.T.: 0.000 min  
Response: 258522748  
Conc: 47.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

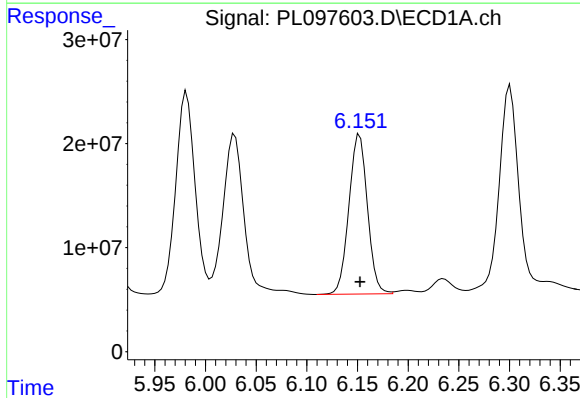
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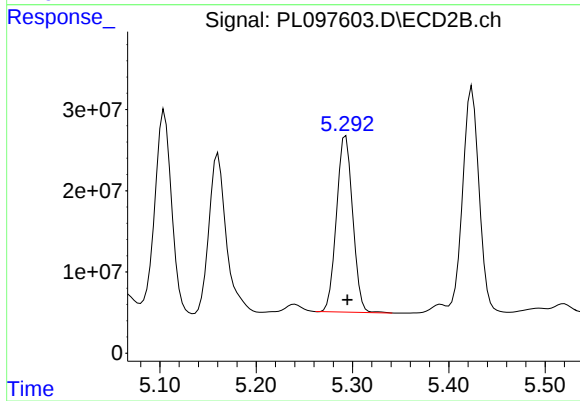
#11 alpha-Chlordane

R.T.: 5.105 min  
Delta R.T.: -0.001 min  
Response: 305339297  
Conc: 36.67 ng/ml



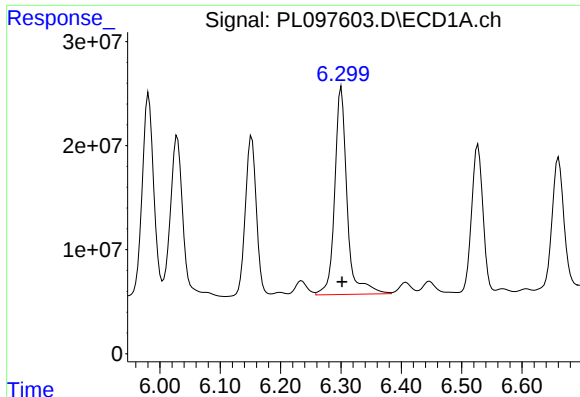
#12 4,4'-DDE

R.T.: 6.152 min  
Delta R.T.: 0.000 min  
Response: 194870371  
Conc: 41.84 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min  
Delta R.T.: -0.001 min  
Response: 253342618  
Conc: 33.37 ng/ml



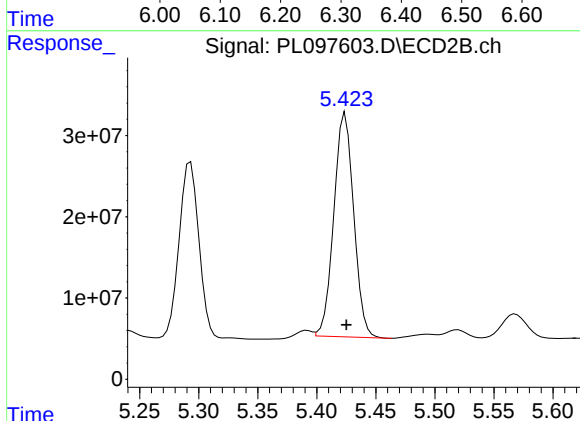
#13 Dieldrin

R.T.: 6.301 min  
Delta R.T.: -0.001 min  
Response: 284415359  
Conc: 54.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

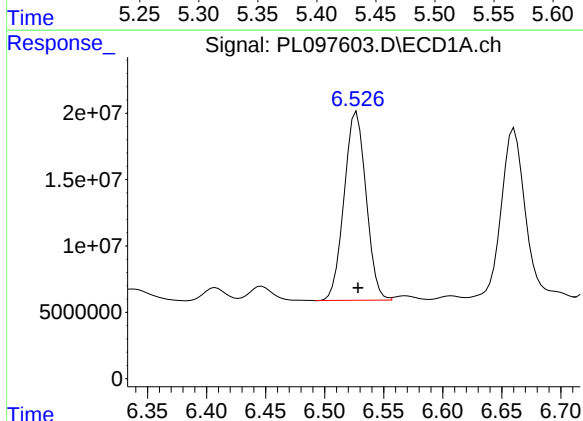
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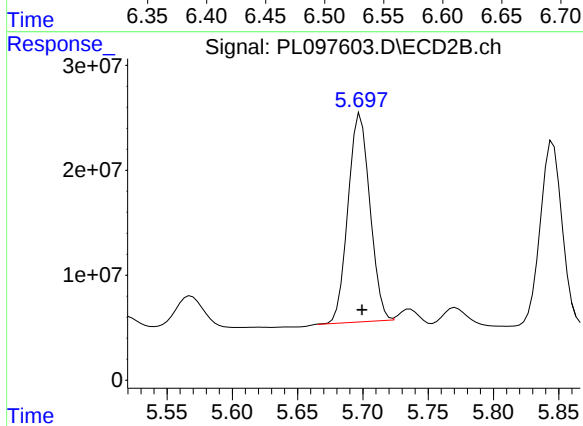
#13 Dieldrin

R.T.: 5.424 min  
Delta R.T.: 0.000 min  
Response: 323004733  
Conc: 39.07 ng/ml



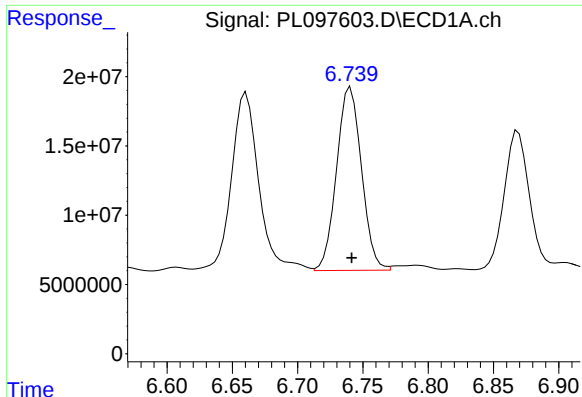
#14 Endrin

R.T.: 6.527 min  
Delta R.T.: -0.001 min  
Response: 183777395  
Conc: 41.07 ng/ml



#14 Endrin

R.T.: 5.698 min  
Delta R.T.: -0.001 min  
Response: 231516883  
Conc: 31.28 ng/ml



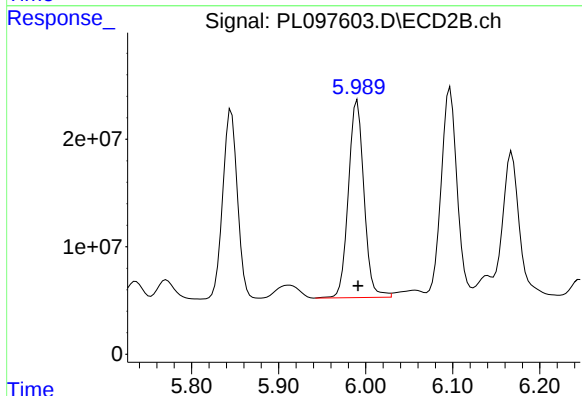
## #15 Endosulfan II

R.T.: 6.740 min  
Delta R.T.: 0.000 min  
Response: 175685697  
Conc: 35.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

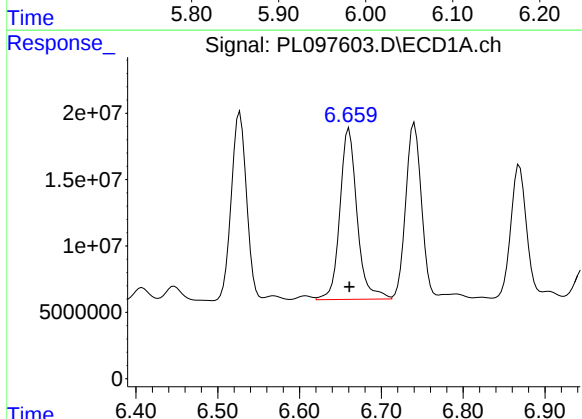
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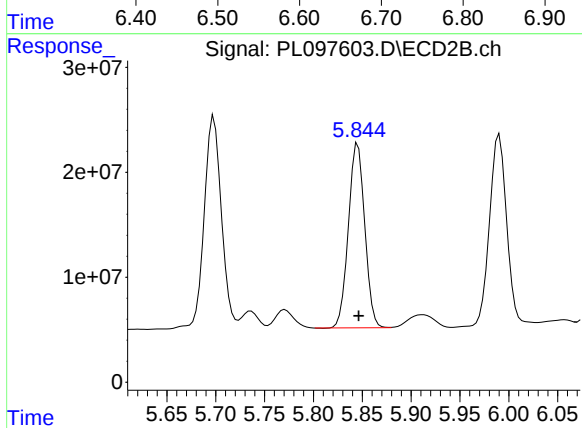
## #15 Endosulfan II

R.T.: 5.990 min  
Delta R.T.: 0.000 min  
Response: 228672478  
Conc: 33.12 ng/ml



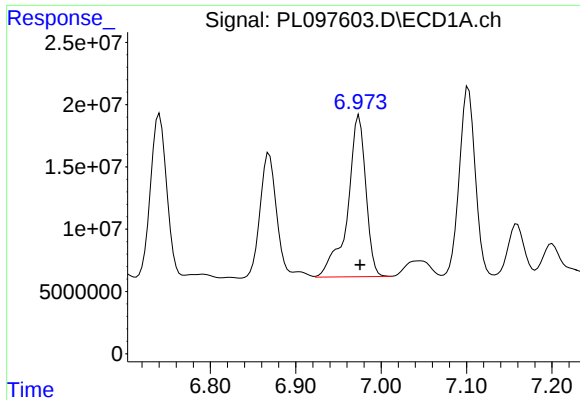
## #16 4,4'-DDD

R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 188043807  
Conc: 49.83 ng/ml



## #16 4,4'-DDD

R.T.: 5.845 min  
Delta R.T.: 0.000 min  
Response: 204825487  
Conc: 32.11 ng/ml



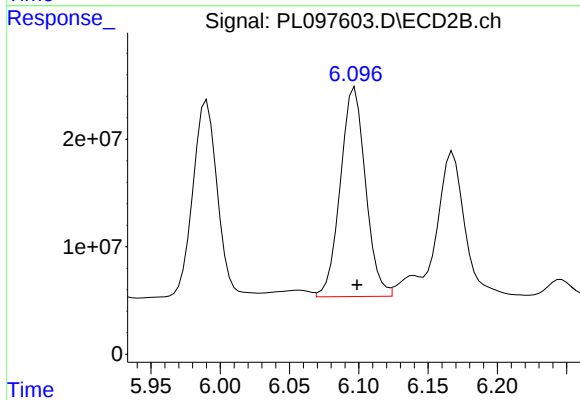
#17 4,4'-DDT

R.T.: 6.974 min  
Delta R.T.: -0.001 min  
Response: 192193521  
Conc: 47.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

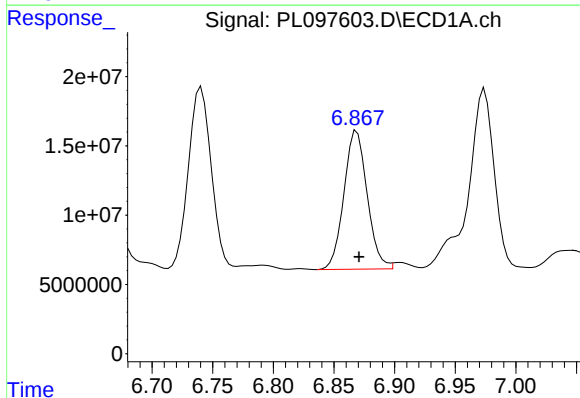
Manual Integrations  
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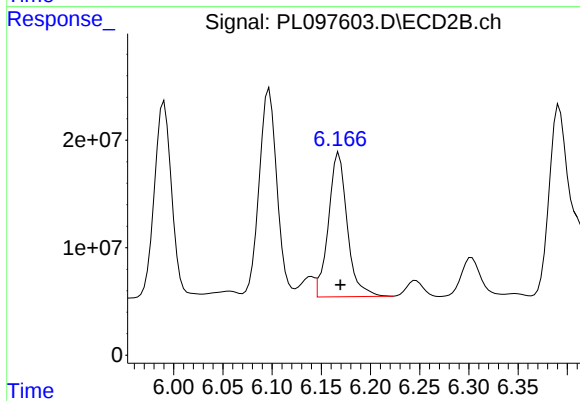
#17 4,4'-DDT

R.T.: 6.097 min  
Delta R.T.: -0.002 min  
Response: 246600539  
Conc: 37.01 ng/ml



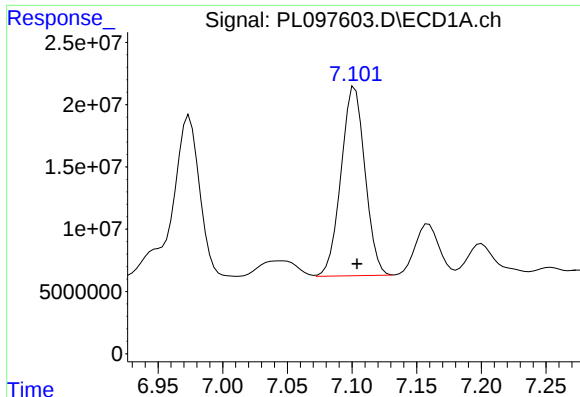
#18 Endrin aldehyde

R.T.: 6.869 min  
Delta R.T.: -0.002 min  
Response: 133560590  
Conc: 40.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.168 min  
Delta R.T.: -0.002 min  
Response: 178246635  
Conc: 30.95 ng/ml



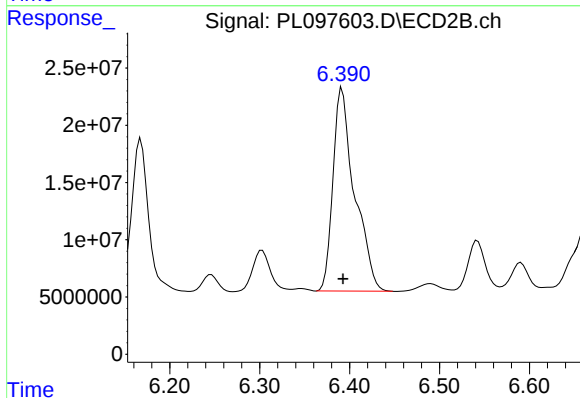
## #19 Endosulfan Sulfate

R.T.: 7.101 min  
Delta R.T.: -0.003 min  
Response: 194967842  
Conc: 48.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

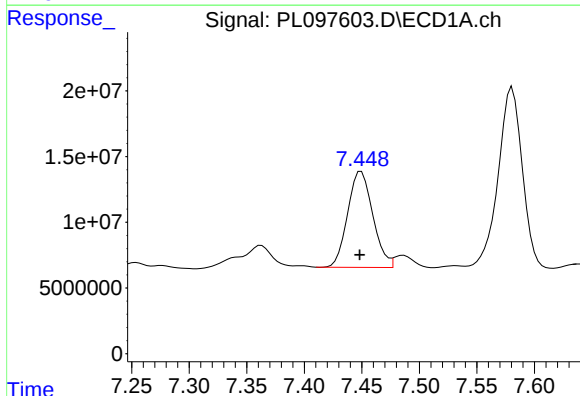
Manual Integrations  
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Supervised By :mohammad ahmed 10/16/2025



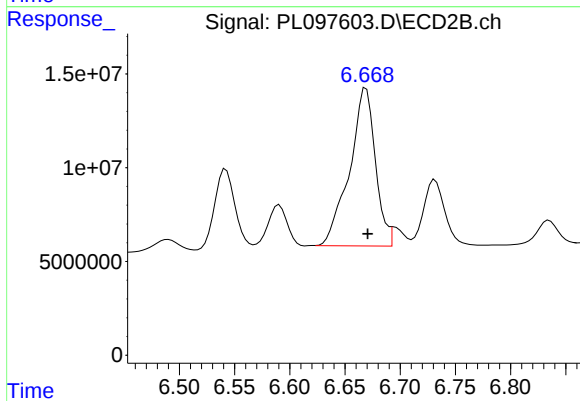
## #19 Endosulfan Sulfate

R.T.: 6.392 min  
Delta R.T.: 0.000 min  
Response: 295277085  
Conc: 44.35 ng/ml



## #20 Methoxychlor

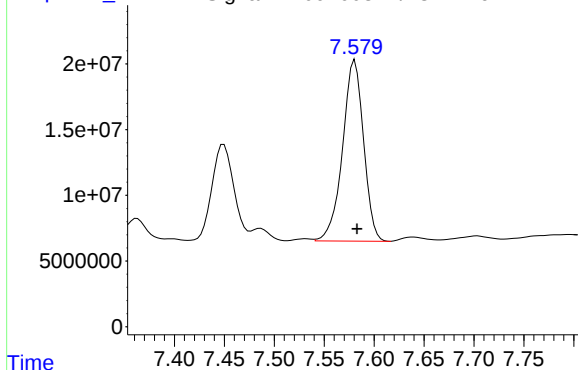
R.T.: 7.449 min  
Delta R.T.: 0.001 min  
Response: 111485981  
Conc: 53.37 ng/ml



## #20 Methoxychlor

R.T.: 6.668 min  
Delta R.T.: -0.003 min  
Response: 136545174  
Conc: 37.46 ng/ml m

Response\_ Signal: PL097603.D\ECD1A.ch



#21 Endrin ketone

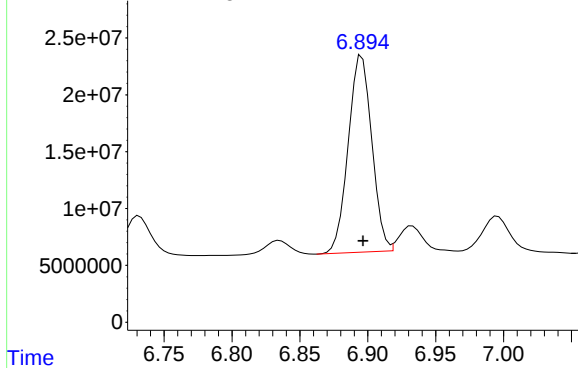
R.T.: 7.581 min  
Delta R.T.: -0.002 min  
Response: 201460229  
Conc: 47.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

Manual Integrations  
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Supervised By :mohammad ahmed 10/16/2025

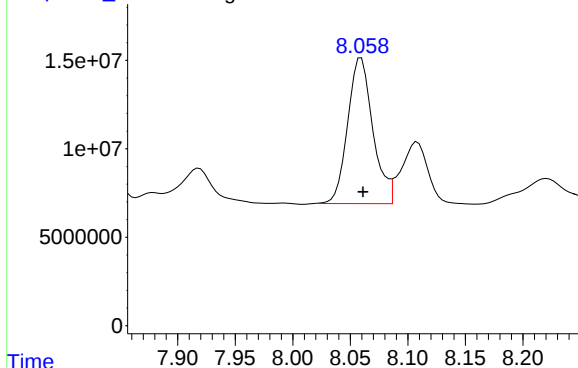
Time Response\_ Signal: PL097603.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.896 min  
Delta R.T.: 0.000 min  
Response: 209170386  
Conc: 26.48 ng/ml

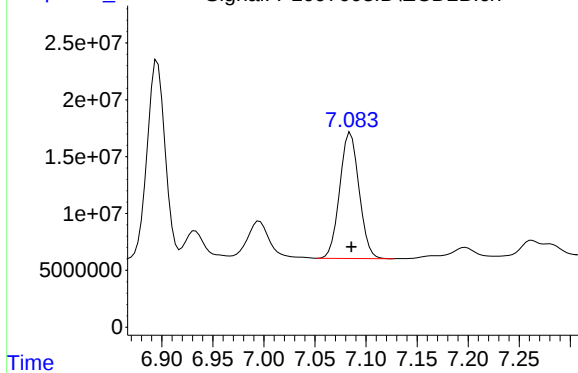
Time Response\_ Signal: PL097603.D\ECD1A.ch



#22 Mirex

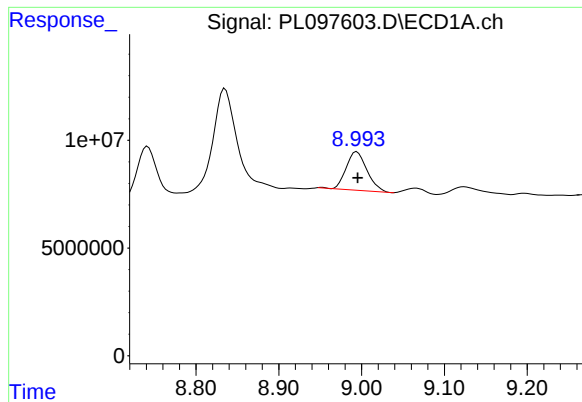
R.T.: 8.059 min  
Delta R.T.: -0.002 min  
Response: 125914012  
Conc: 40.52 ng/ml

Time Response\_ Signal: PL097603.D\ECD2B.ch



#22 Mirex

R.T.: 7.085 min  
Delta R.T.: 0.000 min  
Response: 146127282  
Conc: 27.31 ng/ml



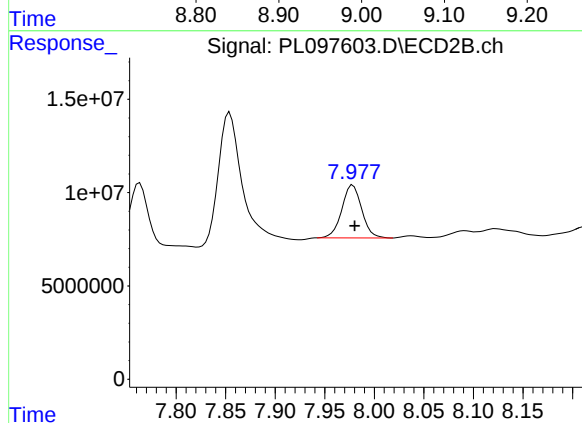
#28 Decachlorobiphenyl

R.T.: 8.994 min  
Delta R.T.: -0.001 min  
Response: 31255707  
Conc: 10.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SS-01-0-1MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/13/2025  
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.978 min  
Delta R.T.: -0.002 min  
Response: 39659800  
Conc: 7.64 ng/ml

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL100725 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter          | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|------------|------------|--------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PEM        | PL097524.D | Endrin aldehyde    | Abdul     | 10/8/2025 8:59:59 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PEM        | PL097524.D | Endrin ketone      | Abdul     | 10/8/2025 8:59:59 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| RESCHK     | PL097525.D | Dieldrin #2        | Abdul     | 10/8/2025 9:00:03 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| RESCHK     | PL097525.D | gamma-Chlordane    | Abdul     | 10/8/2025 9:00:03 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| RESCHK     | PL097525.D | gamma-Chlordane #2 | Abdul     | 10/8/2025 9:00:03 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| RESCHK     | PL097525.D | Methoxychlor       | Abdul     | 10/8/2025 9:00:03 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC075 | PL097527.D | 4,4"-DDD           | Abdul     | 10/8/2025 9:00:07 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC075 | PL097527.D | alpha-Chlordane    | Abdul     | 10/8/2025 9:00:07 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC075 | PL097527.D | Endosulfan I       | Abdul     | 10/8/2025 9:00:07 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC075 | PL097527.D | Endrin             | Abdul     | 10/8/2025 9:00:07 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC075 | PL097527.D | gamma-Chlordane    | Abdul     | 10/8/2025 9:00:07 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC075 | PL097527.D | Heptachlor epoxide | Abdul     | 10/8/2025 9:00:07 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC075 | PL097527.D | Methoxychlor       | Abdul     | 10/8/2025 9:00:07 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL100725 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter          | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|--------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PSTDICC025   | PL097529.D | Endrin             | Abdul     | 10/8/2025 9:00:11 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | 4,4"-DDD           | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | 4,4"-DDD #2        | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | alpha-Chlordane #2 | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | Endosulfan I #2    | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | Endosulfan II      | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | Endrin ketone      | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | Endrin ketone #2   | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | gamma-Chlordane #2 | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | Heptachlor         | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | Heptachlor epoxide | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDICC005   | PL097530.D | Methoxychlor       | Abdul     | 10/8/2025 9:00:14 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PCHLORICV500 | PL097542.D | Chlordane-1        | Abdul     | 10/8/2025 9:00:32 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PL100725

Instrument

ECD\_I

| Sample ID  | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|------------|------------|-----------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PEM        | PL097545.D | Endrin aldehyde       | Abdul     | 10/8/2025 9:00:35 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDCCC050 | PL097546.D | 4,4"-DDD              | Abdul     | 10/8/2025 9:00:39 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDCCC050 | PL097546.D | Heptachlor epoxide #2 | Abdul     | 10/8/2025 9:00:39 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDCCC050 | PL097546.D | Methoxychlor          | Abdul     | 10/8/2025 9:00:39 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |
| PSTDCCC050 | PL097559.D | Methoxychlor #2       | Abdul     | 10/8/2025 8:59:17 AM | mohammad      | 10/9/2025 1:41:46 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pl101025 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter       | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|-----------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PEM        | PL097597.D | 4,4"-DDD        | Abdul     | 10/13/2025<br>8:48:00 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PEM        | PL097597.D | 4,4"-DDE        | Abdul     | 10/13/2025<br>8:48:00 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PEM        | PL097597.D | 4,4"-DDE #2     | Abdul     | 10/13/2025<br>8:48:00 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PEM        | PL097597.D | Endrin aldehyde | Abdul     | 10/13/2025<br>8:48:00 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097598.D | 4,4"-DDD        | Abdul     | 10/13/2025<br>8:48:04 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097598.D | alpha-Chlordane | Abdul     | 10/13/2025<br>8:48:04 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097598.D | Endosulfan I    | Abdul     | 10/13/2025<br>8:48:04 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097598.D | Endrin aldehyde | Abdul     | 10/13/2025<br>8:48:04 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097598.D | gamma-Chlordane | Abdul     | 10/13/2025<br>8:48:04 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS | PL097602.D | Aldrin          | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS | PL097602.D | Aldrin #2       | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS | PL097602.D | beta-BHC #2     | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS | PL097602.D | Endosulfan I    | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

pl101025

Instrument

ECD\_I

| Sample ID   | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q3310-01MS  | PL097602.D | Endosulfan Sulfate   | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS  | PL097602.D | gamma-BHC (Lindane)  | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS  | PL097602.D | Heptachlor           | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS  | PL097602.D | Methoxychlor #2      | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MS  | PL097602.D | Tetrachloro-m-xylene | Abdul     | 10/13/2025<br>8:48:11 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MSD | PL097603.D | alpha-BHC            | Abdul     | 10/13/2025<br>8:48:14 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MSD | PL097603.D | Endosulfan I         | Abdul     | 10/13/2025<br>8:48:14 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MSD | PL097603.D | Endosulfan Sulfate   | Abdul     | 10/13/2025<br>8:48:14 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MSD | PL097603.D | gamma-BHC (Lindane)  | Abdul     | 10/13/2025<br>8:48:14 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MSD | PL097603.D | Heptachlor           | Abdul     | 10/13/2025<br>8:48:14 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MSD | PL097603.D | Methoxychlor #2      | Abdul     | 10/13/2025<br>8:48:14 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3310-01MSD | PL097603.D | Tetrachloro-m-xylene | Abdul     | 10/13/2025<br>8:48:14 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3321-01    | PL097605.D | Decachlorobiphenyl   | Abdul     | 10/13/2025<br>8:48:22 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pl101025 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|--------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q3321-01   | PL097605.D | Endrin             | Abdul     | 10/13/2025<br>8:48:22 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| Q3321-01   | PL097605.D | Endrin #2          | Abdul     | 10/13/2025<br>8:48:22 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097610.D | 4,4"-DDD           | Abdul     | 10/13/2025<br>8:48:30 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097610.D | Endosulfan II      | Abdul     | 10/13/2025<br>8:48:30 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097610.D | gamma-Chlordane    | Abdul     | 10/13/2025<br>8:48:30 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |
| PSTDCCC050 | PL097610.D | Heptachlor epoxide | Abdul     | 10/13/2025<br>8:48:30 AM | mohammad      | 10/14/2025<br>2:49:44 | Peak Integrated by Software |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL100725**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/8/2025 9:04:37 AM               |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/9/2025 1:41:46 AM               |
| SubDirectory             | PL100725                                                                                                                                | HP Acquire Method | HP Processing Method pl100725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

| Sr# | Sampleld      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PL097522.D     | 07 Oct 2025 09:39 | AR\AJ    | Ok     |
| 2   | I.BLK         | PL097523.D     | 07 Oct 2025 09:53 | AR\AJ    | Ok     |
| 3   | PEM           | PL097524.D     | 07 Oct 2025 10:06 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PL097525.D     | 07 Oct 2025 10:20 | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PL097526.D     | 07 Oct 2025 10:33 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PL097527.D     | 07 Oct 2025 10:47 | AR\AJ    | Ok,M   |
| 7   | PSTDICC050    | PL097528.D     | 07 Oct 2025 11:00 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PL097529.D     | 07 Oct 2025 11:41 | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PL097530.D     | 07 Oct 2025 11:55 | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PL097531.D     | 07 Oct 2025 12:38 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PL097532.D     | 07 Oct 2025 12:52 | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PL097533.D     | 07 Oct 2025 13:05 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PL097534.D     | 07 Oct 2025 13:19 | AR\AJ    | Ok,M   |
| 14  | PCHLORICC050  | PL097535.D     | 07 Oct 2025 13:32 | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PL097536.D     | 07 Oct 2025 13:46 | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PL097537.D     | 07 Oct 2025 14:00 | AR\AJ    | Ok,M   |
| 17  | PTOXICC500    | PL097538.D     | 07 Oct 2025 14:13 | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PL097539.D     | 07 Oct 2025 14:59 | AR\AJ    | Ok     |
| 19  | PTOXICC100    | PL097540.D     | 07 Oct 2025 15:13 | AR\AJ    | Ok,M   |
| 20  | PSTDICV050    | PL097541.D     | 07 Oct 2025 15:26 | AR\AJ    | Ok     |
| 21  | PCHLORICV500  | PL097542.D     | 07 Oct 2025 15:55 | AR\AJ    | Ok,M   |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL100725**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/8/2025 9:04:37 AM               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/9/2025 1:41:46 AM               |
| SubDirectory             | PL100725                                                                                                                                | HP Acquire Method | HP Processing Method pl100725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |            |                   |       |        |
|----|-------------|------------|-------------------|-------|--------|
| 22 | PTOXICV500  | PL097543.D | 07 Oct 2025 16:08 | AR\AJ | Ok     |
| 23 | I.BLK       | PL097544.D | 07 Oct 2025 16:22 | AR\AJ | Ok     |
| 24 | PEM         | PL097545.D | 07 Oct 2025 16:36 | AR\AJ | Ok,M   |
| 25 | PSTDCCC050  | PL097546.D | 07 Oct 2025 16:56 | AR\AJ | Ok,M   |
| 26 | PB169968BL  | PL097547.D | 07 Oct 2025 17:23 | AR\AJ | Ok     |
| 27 | PB170003BL  | PL097548.D | 07 Oct 2025 17:37 | AR\AJ | Ok     |
| 28 | PB170003BS  | PL097549.D | 07 Oct 2025 17:50 | AR\AJ | Ok     |
| 29 | Q3294-01    | PL097550.D | 07 Oct 2025 18:04 | AR\AJ | Ok,M   |
| 30 | Q3295-01    | PL097551.D | 07 Oct 2025 18:17 | AR\AJ | Ok,M   |
| 31 | Q3295-03    | PL097552.D | 07 Oct 2025 18:31 | AR\AJ | Ok,M   |
| 32 | Q3296-01    | PL097553.D | 07 Oct 2025 18:44 | AR\AJ | Ok,M   |
| 33 | Q3297-01    | PL097554.D | 07 Oct 2025 18:58 | AR\AJ | Ok,M   |
| 34 | Q3297-01MS  | PL097555.D | 07 Oct 2025 19:12 | AR\AJ | Not Ok |
| 35 | Q3297-01MSD | PL097556.D | 07 Oct 2025 19:25 | AR\AJ | Not Ok |
| 36 | Q3297-11    | PL097557.D | 07 Oct 2025 19:39 | AR\AJ | Ok,M   |
| 37 | I.BLK       | PL097558.D | 07 Oct 2025 19:52 | AR\AJ | Ok     |
| 38 | PSTDCCC050  | PL097559.D | 07 Oct 2025 21:14 | AR\AJ | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL101025**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/13/2025 8:49:00 AM              |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/14/2025 2:49:44 AM              |
| SubDirectory             | PL101025                                                                                                                                | HP Acquire Method | HP Processing Method pl100725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PL097595.D     | 10 Oct 2025 09:57 | AR\AJ    | Ok     |
| 2   | I.BLK       | PL097596.D     | 10 Oct 2025 10:11 | AR\AJ    | Ok     |
| 3   | PEM         | PL097597.D     | 10 Oct 2025 10:24 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PL097598.D     | 10 Oct 2025 13:05 | AR\AJ    | Ok,M   |
| 5   | PB170054BL  | PL097599.D     | 10 Oct 2025 13:44 | AR\AJ    | Ok     |
| 6   | PB170054BS  | PL097600.D     | 10 Oct 2025 13:58 | AR\AJ    | Not Ok |
| 7   | Q3310-01    | PL097601.D     | 10 Oct 2025 14:11 | AR\AJ    | Ok,M   |
| 8   | Q3310-01MS  | PL097602.D     | 10 Oct 2025 14:25 | AR\AJ    | Ok,M   |
| 9   | Q3310-01MSD | PL097603.D     | 10 Oct 2025 14:38 | AR\AJ    | Ok,M   |
| 10  | Q3310-02    | PL097604.D     | 10 Oct 2025 14:52 | AR\AJ    | Ok,M   |
| 11  | Q3321-01    | PL097605.D     | 10 Oct 2025 15:05 | AR\AJ    | Ok,M   |
| 12  | Q3310-03    | PL097606.D     | 10 Oct 2025 15:19 | AR\AJ    | Ok,M   |
| 13  | Q3322-01    | PL097607.D     | 10 Oct 2025 15:32 | AR\AJ    | Ok,M   |
| 14  | PB170054BS  | PL097608.D     | 10 Oct 2025 16:51 | AR\AJ    | Ok     |
| 15  | I.BLK       | PL097609.D     | 10 Oct 2025 17:07 | AR\AJ    | Ok     |
| 16  | PSTDCCC050  | PL097610.D     | 10 Oct 2025 17:20 | AR\AJ    | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL100725**

|                          |                                                                                                                                        |                   |                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                  | Review On         | 10/8/2025 9:04:37 AM               |
| Supervise By             | mohammad                                                                                                                               | Supervise On      | 10/9/2025 1:41:46 AM               |
| SubDirectory             | PL100725                                                                                                                               | HP Acquire Method | HP Processing Method pl100725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                       |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                        |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                |                   |                                    |
| Surrogate Standard       |                                                                                                                                        |                   |                                    |
| MS/MSD Standard          |                                                                                                                                        |                   |                                    |
| LCS Standard             |                                                                                                                                        |                   |                                    |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PL097522.D     | 07 Oct 2025 09:39 |         | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PL097523.D     | 07 Oct 2025 09:53 |         | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PL097524.D     | 07 Oct 2025 10:06 |         | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PL097525.D     | 07 Oct 2025 10:20 |         | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PSTDICC100    | PL097526.D     | 07 Oct 2025 10:33 |         | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PL097527.D     | 07 Oct 2025 10:47 |         | AR\AJ    | Ok,M   |
| 7   | PSTDICC050    | PSTDICC050    | PL097528.D     | 07 Oct 2025 11:00 |         | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PL097529.D     | 07 Oct 2025 11:41 |         | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PSTDICC005    | PL097530.D     | 07 Oct 2025 11:55 |         | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PL097531.D     | 07 Oct 2025 12:38 |         | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PL097532.D     | 07 Oct 2025 12:52 |         | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PCHLORICC500  | PL097533.D     | 07 Oct 2025 13:05 |         | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PL097534.D     | 07 Oct 2025 13:19 |         | AR\AJ    | Ok,M   |
| 14  | PCHLORICC050  | PCHLORICC050  | PL097535.D     | 07 Oct 2025 13:32 |         | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PTOXICC1000   | PL097536.D     | 07 Oct 2025 13:46 |         | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PTOXICC750    | PL097537.D     | 07 Oct 2025 14:00 |         | AR\AJ    | Ok,M   |
| 17  | PTOXICC500    | PTOXICC500    | PL097538.D     | 07 Oct 2025 14:13 |         | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PTOXICC250    | PL097539.D     | 07 Oct 2025 14:59 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL100725**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/8/2025 9:04:37 AM               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/9/2025 1:41:46 AM               |
| SubDirectory             | PL100725                                                                                                                                | HP Acquire Method | HP Processing Method pl100725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |              |                  |            |                   |                                                                   |       |        |
|----|--------------|------------------|------------|-------------------|-------------------------------------------------------------------|-------|--------|
| 19 | PTOXICC100   | PTOXICC100       | PL097540.D | 07 Oct 2025 15:13 |                                                                   | AR\AJ | Ok,M   |
| 20 | PSTDICV050   | ICVPL100725      | PL097541.D | 07 Oct 2025 15:26 |                                                                   | AR\AJ | Ok     |
| 21 | PCHLORICV500 | ICVPL100725CHLOR | PL097542.D | 07 Oct 2025 15:55 |                                                                   | AR\AJ | Ok,M   |
| 22 | PTOXICV500   | ICVPL100725TOX   | PL097543.D | 07 Oct 2025 16:08 |                                                                   | AR\AJ | Ok     |
| 23 | I.BLK        | I.BLK            | PL097544.D | 07 Oct 2025 16:22 |                                                                   | AR\AJ | Ok     |
| 24 | PEM          | PEM              | PL097545.D | 07 Oct 2025 16:36 |                                                                   | AR\AJ | Ok,M   |
| 25 | PSTDCCC050   | PSTDCCC050       | PL097546.D | 07 Oct 2025 16:56 |                                                                   | AR\AJ | Ok,M   |
| 26 | PB169968BL   | PB169968BL       | PL097547.D | 07 Oct 2025 17:23 |                                                                   | AR\AJ | Ok     |
| 27 | PB170003BL   | PB170003BL       | PL097548.D | 07 Oct 2025 17:37 |                                                                   | AR\AJ | Ok     |
| 28 | PB170003BS   | PB170003BS       | PL097549.D | 07 Oct 2025 17:50 |                                                                   | AR\AJ | Ok     |
| 29 | Q3294-01     | HD-02-10062025   | PL097550.D | 07 Oct 2025 18:04 |                                                                   | AR\AJ | Ok,M   |
| 30 | Q3295-01     | EO-01-10062025   | PL097551.D | 07 Oct 2025 18:17 |                                                                   | AR\AJ | Ok,M   |
| 31 | Q3295-03     | EO-02-10062025   | PL097552.D | 07 Oct 2025 18:31 |                                                                   | AR\AJ | Ok,M   |
| 32 | Q3296-01     | SU-04-10062025   | PL097553.D | 07 Oct 2025 18:44 |                                                                   | AR\AJ | Ok,M   |
| 33 | Q3297-01     | TP1              | PL097554.D | 07 Oct 2025 18:58 |                                                                   | AR\AJ | Ok,M   |
| 34 | Q3297-01MS   | TP1MS            | PL097555.D | 07 Oct 2025 19:12 | some compound recovery fail                                       | AR\AJ | Not Ok |
| 35 | Q3297-01MSD  | TP1MSD           | PL097556.D | 07 Oct 2025 19:25 | some compound recovery fail ,<br>RPD fail for almost all compound | AR\AJ | Not Ok |
| 36 | Q3297-11     | TP2              | PL097557.D | 07 Oct 2025 19:39 |                                                                   | AR\AJ | Ok,M   |
| 37 | I.BLK        | I.BLK            | PL097558.D | 07 Oct 2025 19:52 |                                                                   | AR\AJ | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL100725**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 10/8/2025 9:04:37 AM               |
| Supervise By | mohammad | Supervise On      | 10/9/2025 1:41:46 AM               |
| SubDirectory | PL100725 | HP Acquire Method | HP Processing Method pl100725 8081 |

| STD. NAME                | STD REF.#                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24942,PP24651                                                                                                                             |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P<br>P24763,PP24764 |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                     |
| Internal Standard/PEM    |                                                                                                                                             |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                     |
| Surrogate Standard       |                                                                                                                                             |
| MS/MSD Standard          |                                                                                                                                             |
| LCS Standard             |                                                                                                                                             |

|    |            |            |            |                   |  |       |      |
|----|------------|------------|------------|-------------------|--|-------|------|
| 38 | PSTDCCC050 | PSTDCCC050 | PL097559.D | 07 Oct 2025 21:14 |  | ARIAJ | Ok,M |
|----|------------|------------|------------|-------------------|--|-------|------|

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL101025**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 10/13/2025 8:49:00 AM              |
| Supervise By | mohammad | Supervise On      | 10/14/2025 2:49:44 AM              |
| SubDirectory | PL101025 | HP Acquire Method | HP Processing Method pl100725 8081 |

| STD. NAME                | STD REF.#                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |
| Internal Standard/PEM    |                                                                                                                                        |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                |
| Surrogate Standard       |                                                                                                                                        |
| MS/MSD Standard          |                                                                                                                                        |
| LCS Standard             |                                                                                                                                        |

| Sr# | SampleId    | ClientID     | Data File Name | Date-Time         | Comment        | Operator | Status |
|-----|-------------|--------------|----------------|-------------------|----------------|----------|--------|
| 1   | HEXANE      | HEXANE       | PL097595.D     | 10 Oct 2025 09:57 |                | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK        | PL097596.D     | 10 Oct 2025 10:11 |                | AR\AJ    | Ok     |
| 3   | PEM         | PEM          | PL097597.D     | 10 Oct 2025 10:24 |                | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PSTDCCC050   | PL097598.D     | 10 Oct 2025 13:05 |                | AR\AJ    | Ok,M   |
| 5   | PB170054BL  | PB170054BL   | PL097599.D     | 10 Oct 2025 13:44 |                | AR\AJ    | Ok     |
| 6   | PB170054BS  | PB170054BS   | PL097600.D     | 10 Oct 2025 13:58 | RECOVERY FAIL. | AR\AJ    | Not Ok |
| 7   | Q3310-01    | SS-01-0-1    | PL097601.D     | 10 Oct 2025 14:11 |                | AR\AJ    | Ok,M   |
| 8   | Q3310-01MS  | SS-01-0-1MS  | PL097602.D     | 10 Oct 2025 14:25 |                | AR\AJ    | Ok,M   |
| 9   | Q3310-01MSD | SS-01-0-1MSD | PL097603.D     | 10 Oct 2025 14:38 |                | AR\AJ    | Ok,M   |
| 10  | Q3310-02    | SS-01-1-2    | PL097604.D     | 10 Oct 2025 14:52 |                | AR\AJ    | Ok,M   |
| 11  | Q3321-01    | P001-DS-01   | PL097605.D     | 10 Oct 2025 15:05 |                | AR\AJ    | Ok,M   |
| 12  | Q3310-03    | SS-01-2-3    | PL097606.D     | 10 Oct 2025 15:19 |                | AR\AJ    | Ok,M   |
| 13  | Q3322-01    | OR-02-100925 | PL097607.D     | 10 Oct 2025 15:32 |                | AR\AJ    | Ok,M   |
| 14  | PB170054BS  | PB170054BS   | PL097608.D     | 10 Oct 2025 16:51 |                | AR\AJ    | Ok     |
| 15  | I.BLK       | I.BLK        | PL097609.D     | 10 Oct 2025 17:07 |                | AR\AJ    | Ok     |
| 16  | PSTDCCC050  | PSTDCCC050   | PL097610.D     | 10 Oct 2025 17:20 |                | AR\AJ    | Ok,M   |

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/10/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:10  
In Date: 10/09/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:40  
Out Date: 10/10/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137480

| Lab ID   | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments   |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|------------|
| Q3300-01 | OIL             | 1      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample |
| Q3310-01 | SS-01-0-1       | 2      | 1.15           | 10.03        | 11.18                   | 7.7                       | 65.3    |            |
| Q3310-02 | SS-01-1-2       | 3      | 1.12           | 10.62        | 11.74                   | 8.81                      | 72.4    |            |
| Q3310-03 | SS-01-2-3       | 4      | 1.16           | 10.56        | 11.72                   | 9.09                      | 75.1    |            |
| Q3321-01 | P001-DS-01      | 5      | 1.16           | 10.56        | 11.72                   | 9.44                      | 78.4    |            |
| Q3322-01 | OR-02-100925    | 6      | 1.11           | 10.33        | 11.44                   | 10.72                     | 93.0    |            |
| Q3322-02 | OR-02-100925-E2 | 7      | 1.12           | 11.11        | 12.23                   | 11.55                     | 93.9    |            |

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

# WORKLIST(Hardcopy Internal Chain)

137480

WorkList Name : %1-100925

WorkList ID : 192359

Department : Wet-Chemistry

Date : 10-09-2025 08:08:47

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3300-01 | OIL             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/07/2025   | Chemtech -SO |
| Q3310-01 | SS-01-0-1       | Solid  | Percent Solids | Cool 4 deg C | LANG01   | D31                         | 10/07/2025   | Chemtech -SO |
| Q3310-02 | SS-01-1-2       | Solid  | Percent Solids | Cool 4 deg C | LANG01   | D31                         | 10/07/2025   | Chemtech -SO |
| Q3310-03 | SS-01-2-3       | Solid  | Percent Solids | Cool 4 deg C | LANG01   | D31                         | 10/07/2025   | Chemtech -SO |
| Q3321-01 | P001-DS-01      | Solid  | Percent Solids | Cool 4 deg C | ROYF02   | D41                         | 10/08/2025   | Chemtech -SO |
| Q3322-01 | OR-02-100925    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D31                         | 10/09/2025   | Chemtech -SO |
| Q3322-02 | OR-02-100925-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D31                         | 10/09/2025   | Chemtech -SO |

Date/Time 10/09/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 10/09/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

**SOP ID:** M3541-ASE Extraction-15

**Clean Up SOP #:** Florisil

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** EH

**Balance ID:** EX-SC-2

**pH Strip Lot#:** N/A

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 10/10/2025

**Extraction Start Time :** 09:06

**Extraction End Date :** 10/10/2025

**Extraction End Time :** 12:15

**Concentration By:** EH

**Supervisor By :** ritesh

**Extraction Method:** ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 500 PPB             | PP24766             |
| Surrogate     | 1.0ML    | 200 PPB             | PP24663             |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used              | ML/SAMPLE USED | Lot Number |
|----------------------------|----------------|------------|
| Hexane/Acetone/1:1         | N/A            | EP2643     |
| Baked Na2SO4               | N/A            | EP2646     |
| Sand                       | N/A            | E3951      |
| Hexane                     | N/A            | E3974      |
| Florisil                   | N/A            | E3927      |
| 9:1 Hexane:Acetone Mixture | N/A            | EP2644     |
| 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.

**KD Bath ID:** N/A

**Envap ID:** NE VAP-02

**KD Bath Temperature:** N/A

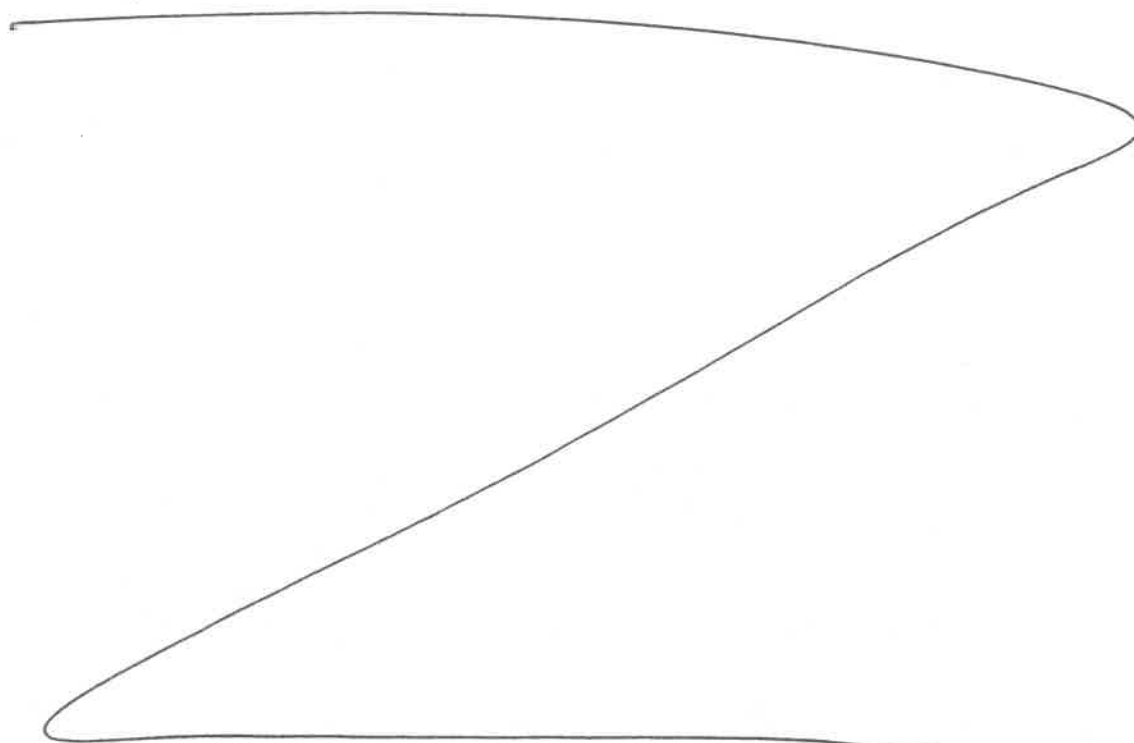
**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 10/10/25    | RJ (EXT-Lab)                            | RJ (EXT-Lab)         |
| 12:20       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/10/2025

| Sample ID       | Client Sample ID | Test          | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|---------------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |               |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB170054BL      | PBLK054          | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 |       |          | U4-1        |
| PB170054BS      | PLCS054          | Pesticide-TCL | 30.03 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q3310-01        | SS-01-0-1        | Pesticide-TCL | 30.09 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q3310-01MS      | SS-01-0-1MS      | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 4           |
| Q3310-01MS<br>D | SS-01-0-1MSD     | Pesticide-TCL | 30.06 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 5           |
| Q3310-02        | SS-01-1-2        | Pesticide-TCL | 30.08 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 6           |
| Q3310-03        | SS-01-2-3        | Pesticide-TCL | 30.07 | N/A | ritesh         | Evelyn     | 10                 | E     |          | U6-1        |
| Q3321-01        | P001-DS-01       | Pesticide-TCL | 30.03 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 2           |
| Q3322-01        | OR-02-100925     | Pesticide-TCL | 30.06 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |



RJ  
10/10

170054  
9:06

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3310      WorkList ID : 192387      Department : Extraction      Date : 10-10-2025 09:01:22

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| Q3310-01 | SS-01-0-1       | Solid  | Pesticide-TCL | Cool 4 deg C | LANG01   | D31                         | 10/07/2025   | 8081B  |
| Q3310-02 | SS-01-1-2       | Solid  | Pesticide-TCL | Cool 4 deg C | LANG01   | D31                         | 10/07/2025   | 8081B  |
| Q3310-03 | SS-01-2-3       | Solid  | Pesticide-TCL | Cool 4 deg C | LANG01   | D31                         | 10/07/2025   | 8081B  |
| Q3321-01 | P001-DS-01      | Solid  | Pesticide-TCL | Cool 4 deg C | ROYF02   | D41                         | 10/08/2025   | 8081B  |
| Q3322-01 | OR-02-100925    | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG05   | D31                         | 10/09/2025   | 8081B  |

Date/Time 10/10/25 9:01  
Raw Sample Received by: RJ LETA-1006  
Raw Sample Relinquished by: CLS

Date/Time 10/10/25 9:15  
Raw Sample Received by: CLS  
Raw Sample Relinquished by: RJ LETA-1006

## Prep Standard - Chemical Standard Summary

**Order ID :** Q3321

**Test :** Pesticide-TCL

**Prepbatch ID :** PB170054,

**Sequence ID/Qc Batch ID:** PL101025,

**Standard ID :**

EP2643,EP2646,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

**Chemical ID :**

E3875,E3927,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3974,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P9053,

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 230              | 1:1ACETONE/HEXANE | <a href="#">EP2643</a> | 09/16/2025       | 03/16/2026             | Evelyn Huang       | None           | None             | Riteshkumar Patel    |
| 09/16/2025       |                   |                        |                  |                        |                    |                |                  |                      |

**FROM** 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

| <u>Recipe ID</u> | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                      | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|-------------------------------------|------------------|----------------------|
| 3923             | Baked Sodium Sulfate | <a href="#">EP2646</a> | 09/26/2025       | 01/28/2026             | Evelyn Huang       | Extraction_SC<br>ALE_2<br>(EX-SC-2) | None             | Riteshkumar Patel    |
| 09/26/2025       |                      |                        |                  |                        |                    |                                     |                  |                      |

**FROM** 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

## 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> |
|------------------|-----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 4027             | Pesticide resolution Check Mixture 8081 | <a href="#">PP24651</a> | 06/16/2025       | 12/11/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                         |                         |                  |                        |                    |                |                  | 07/22/2025           |

**FROM** 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP24663</a> | 06/24/2025       | 12/24/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 07/21/2025           |

**FROM** 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 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="#">PP24738</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                               |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13038 + 9.00000ml of E3956 = 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="#">PP24739</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                       |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13041 + 9.00000ml of E3956 = 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="#">PP24740</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                     |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P9053 + 9.00000ml of E3956 = 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="#">PP24741</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                           |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13196 + 9.00000ml of E3956 = 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> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP24742</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13788 + 9.00000ml of E3956 = 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="#">PP24744</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 80               | 100/100 PPB Pesticide Working Solution 2nd Source | <a href="#">PP24745</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 386              | 1000/100 PPB Chlordane STD (Restek) | <a href="#">PP24746</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                     |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3746             | 1000/100 ppb Chlordane<br>STD-RESTEK 2ND SOURCE | <a href="#">PP24747</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 383              | 1000/100 PPB Toxaphene STD<br>(Restek) | <a href="#">PP24748</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                        |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3669             | 1000/100 PPB TOXAPHENE STD<br>2nd source (RESTEK) | <a href="#">PP24749</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3631             | 75 PPB ICAL PEST<br>STD(RESTEK) | <a href="#">PP24750</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3632             | 50 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24751</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                              |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3633             | 25 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24752</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                              |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3634             | 5 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24753</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24751 = 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="#">PP24754</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 528              | CHLOR 750 PPB STD | <a href="#">PP24755</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 529              | CHLOR 500 PPB STD | <a href="#">PP24756</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 530              | CHLOR 250 PPB STD | <a href="#">PP24757</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3408             | CHLOR 50 PPB STD | <a href="#">PP24758</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                  |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24756 = 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="#">PP24759</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                       |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 533              | TOX 750 PPB STD | <a href="#">PP24760</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24748 = 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="#">PP24761</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 535              | TOX 250 PPB STD | <a href="#">PP24762</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 2217             | TOX 100 PPB STD | <a href="#">PP24763</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24748 = 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="#">PP24764</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                               |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of PP24749 = 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="#">PP24766</a> | 07/28/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 08/19/2025           |

**FROM** 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = 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> |
|------------------|----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 758              | PEM Mix w/Surr | <a href="#">PP24942</a> | 09/24/2025       | 03/24/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                |                         |                  |                        |                    |                |                  | 10/10/2025           |

**FROM** 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 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 | 417203 | 01/28/2026      | 07/28/2025 / RUPESH     | 01/29/2025 / Rajesh         | E3875          |

| Supplier   | ItemCode / ItemName                       | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------|-------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| phenomenex | FS0006 / Cleanert SPE Silica, 1000 mg/6ml | Z0830QB1 | 04/18/2026      | 05/30/2025 / RUPESH     | 03/13/2025 / RUPESH         | E3927          |

| Supplier         | ItemCode / ItemName                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 12/11/2025      | 06/11/2025 / Rajesh     | 06/04/2025 / Rajesh         | E3941          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/24/2027      | 06/20/2025 / RUPESH     | 05/14/2025 / RUPESH         | E3944          |

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 25A2756718 | 12/31/2028      | 07/09/2025 / RUPESH     | 04/28/2020 / RUPESH         | E3951          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 04/18/2027      | 07/16/2025 / RUPESH     | 07/16/2025 / RUPESH         | E3955          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026      | 07/16/2025 / RUPESH     | 07/16/2025 / RUPESH         | E3956          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026      | 09/15/2025 / Evelyn     | 09/04/2025 / Riteshkumar    | E3971          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/24/2027      | 09/16/2025 / Evelyn     | 09/04/2025 / Riteshkumar    | E3972          |

| 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) | 25C0362006 | 04/10/2027      | 09/26/2025 / Riteshkumar | 09/26/2025 / Riteshkumar    | E3974          |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0197993 | 01/21/2026      | 07/21/2025 / Abdul      | 07/03/2023 / Abdul          | P12604         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0197993 | 01/21/2026      | 07/21/2025 / Abdul      | 07/03/2023 / Abdul          | P12610         |

## CHEMICAL RECEIPT LOG BOOK

| 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 | 01/21/2026      | 07/21/2025 / Abdul      | 12/26/2023 / Abdul          | P13038         |

| 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 | 07/21/2026      | 07/21/2025 / Abdul      | 12/26/2023 / Abdul          | P13041         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 042022 | 01/21/2026      | 07/21/2025 / Abdul      | 01/17/2024 / Abdul          | P13196         |

| 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 | 12/17/2025      | 06/17/2025 / Abdul      | 02/09/2024 / Abdul          | P13246         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203038 | 01/21/2026      | 07/21/2025 / Abdul      | 05/03/2024 / Ankita         | P13774         |

| Supplier | ItemCode / ItemName                                      | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32074 / Pesticide Performance Evaluation Mix w/Surrogate | A0213999 | 03/24/2026      | 09/24/2025 / Abdul      | 11/19/2024 / Ankita         | P13780         |

## 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 | A0214495 | 12/24/2025      | 06/24/2025 / Abdul      | 11/19/2024 / Ankita         | P13786         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0214495 | 01/21/2026      | 07/21/2025 / Abdul      | 11/19/2024 / Ankita         | P13788         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0210240 | 01/21/2026      | 07/21/2025 / Abdul      | 12/09/2024 / Abdul          | P13862         |

| 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 | 01/21/2026      | 07/21/2025 / Abdul      | 11/01/2019 / Stephen        | P9053          |

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification  | Result      |
|---------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 4           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                                | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                    | $\leq 10$      | 10          |
| Residue after Evaporation                                                       | $\leq 1.0$ ppm | 0.2 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                      | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3974

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MÉXICO  
CP 64070  
TEL +52 81 13 52 67 67  
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: | MAY/23/2024                     |
| LOT NUMBER :          | 417203                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.8 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.2         |
| Insoluble matter                         | Max. 0.01%     | 0.001 %     |
| 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%     | 0.001 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.001 %     |
| 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%        | 0.2 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 96.2 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 3.5 %       |
| 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.

RE-02-01, Ed. 3

E 3875

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Agela Technologies

Made in China

固相萃取产品

E3927



## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

|                   |                                                                                                                                                                                                   |                             |            |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| Catalog Number    | H303                                                                                                                                                                                              | Quality Test / Release Date | 11/07/2024 |
| Lot Number        | 243570                                                                                                                                                                                            |                             |            |
| Description       | HEXANES - OPTIMA                                                                                                                                                                                  |                             |            |
| Country of Origin | United States                                                                                                                                                                                     | Suggested Retest Date       | Nov/2029   |
| Chemical Origin   | Organic - non animal                                                                                                                                                                              |                             |            |
| BSE/TSE Comment   | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. |                             |            |

| N/A                         |            |                                 |                         |
|-----------------------------|------------|---------------------------------|-------------------------|
| Result Name                 | Units      | Specifications                  | Test Value              |
| APPEARANCE                  |            | REPORT                          | Clear, colorless liquid |
| ASSAY (N-HEXANE)            | %          | >= 60                           | 69                      |
| ASSAY (SUM C6 HYDROCARBONS) | %          | >= 99.9                         | >99.9                   |
| COLOR                       | APHA       | <= 5                            | <5                      |
| DENSITY AT 25 DEGREES C     | GM/ML      | Inclusive Between 0.653 - 0.673 | 0.669                   |
| EVAPORATION RESIDUE         | ppm        | <= 1                            | <1                      |
| FLUORESCENCE BACKGROUND     | ppb        | <= 1                            | <1                      |
| IDENTIFICATION              | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| OPTICAL ABS AT 195 NM       | ABS. UNITS | <= 1                            | 0.74                    |
| OPTICAL ABS AT 210 NM       | ABS. UNITS | <= 0.25                         | 0.17                    |
| OPTICAL ABS AT 220 NM       | ABS. UNITS | <= 0.07                         | 0.05                    |
| OPTICAL ABS AT 254 NM       | ABS. UNITS | <= 0.005                        | 0.001                   |
| PESTICIDE RESIDUE ANALYSIS  | NG/L       | <= 10                           | <10                     |
| REFRACTIVE INDEX @ 25 DEG C |            | Inclusive Between 1.375 - 1.385 | 1.379                   |
| SUITABILITY FOR GC/MS       |            | = PASS TEST                     | PASS TEST               |
| SULFUR COMPOUNDS            | %          | <= 0.005                        | <0.005                  |
| THIOPHENE                   | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| WATER (H2O)                 | %          | <= 0.01                         | <0.01                   |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G      | <= 0.0003                       | 0.0001                  |



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
 If there are any questions with this certificate, please call at (800) 227-6701.  
 \*Based on suggested storage condition.

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (μeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



|                      |                                |
|----------------------|--------------------------------|
| Material             | BDH9274-2.5KG                  |
| Material Description | BDH SAND STDD OTTAWA W+I 2.5KG |
| Grade                | NOT APPLICABLE                 |
| Batch                | 25A2756718                     |
| Reassay Date         | 12/31/2028                     |
| CAS Number           | 14808-60-7                     |
| Molecular Formula    | SiO <sub>2</sub>               |
| Molecular Mass       | 60.09                          |
| Date of Manufacture  | 12/05/2024                     |
| Storage              | Room Temperature               |

| Characteristics               | Specifications  | Measured Values |
|-------------------------------|-----------------|-----------------|
| Appearance                    | Beige granules. | Beige granules. |
| Moisture                      | <= 0.1 %        | 0.1 %           |
| Particle Size 30-40 mesh      | >= 80 %         | 99 %            |
| CUSTOMER PART # BDH9274-2.5KG |                 |                 |

*Received on 1/12/25.*

**E3951**

Internal ID #: 793

## Signature

We certify that this batch conforms to the specifications listed above.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon  
VWR Chemicals, LLC.  
28600 Fountain Parkway, Solon OH 44139 USA

## Additional Information

Analysis may have been rounded to significant digits in specification limits

Product meets analytical specifications of the grades listed.

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 24H2762008  
Manufactured Date: 2024-04-18  
Expiration Date: 2027-04-18  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

*Received on 7/16/25*

**E 3955**

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis

 **avantors**<sup>™</sup>



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

*Received on 7/16/25*

**E3956**



Jamie Croak  
Director Quality Operations, Bioscience Production

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis



Material No.: 9262-03  
Batch No.: 25C0362005  
Manufactured Date: 2025-01-29  
Expiration Date: 2026-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

Jamie Croak  
Director Quality Operations, Bioscience Production

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



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  
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 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.)

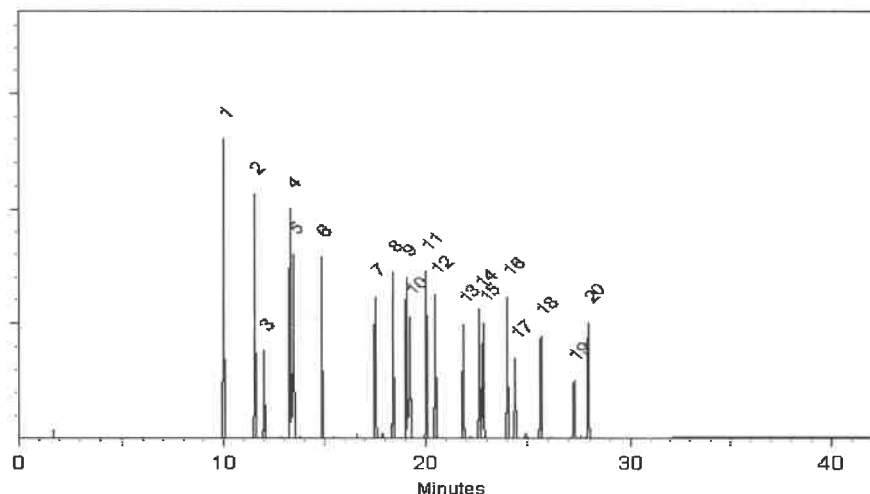
**Inj. Temp:**  
 200°C

**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 WEIGHT REPORT

Part Number: **79136**  
Lot Number: **042022**  
Description: **Mirex**Solvent(s):  
Acetone Lot#  
81025

|                         |                  |        |
|-------------------------|------------------|--------|
| <i>Prashant Chauhan</i> |                  | 042022 |
| Formulated By:          | Prashant Chauhan | DATE   |
| <i>Pedro L. Rentas</i>  |                  | 042022 |
| Reviewed By:            | Pedro L. Rentas  | DATE   |

Expiration Date: 042027

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

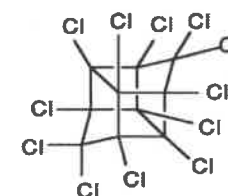
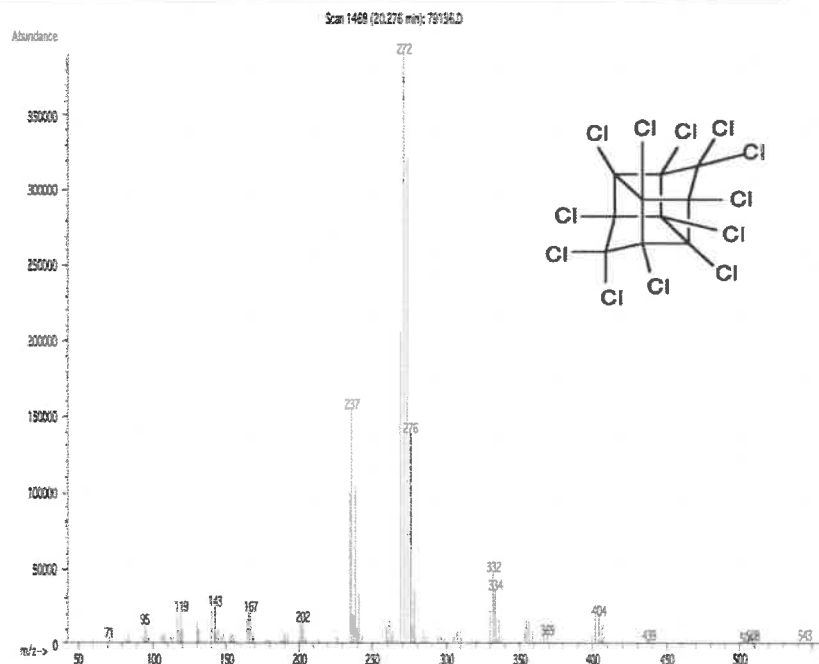
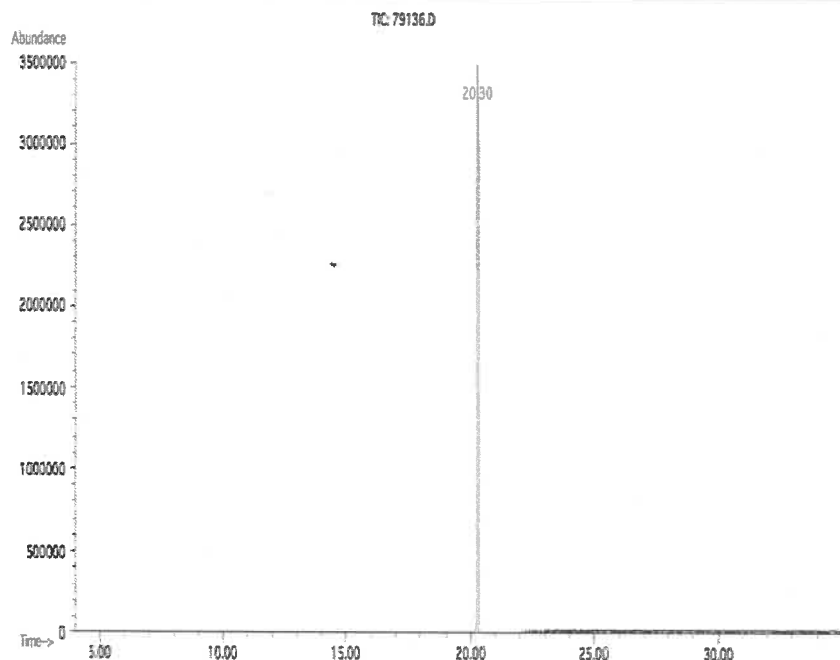
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Expanded  
SDS Information  
(Solvent Safety Info. On Attached pg.)

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | CAS#      | OSHA PEL (TWA) | LD50             |
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|------------------------------------|-----------|----------------|------------------|
| 1. Mirex | 437 | 9492400    | 1000                 | 99.4       | 0.5                | 0.05034           | 0.05040           | 1001.1              | 10.3                               | 2385-85-5 | N/A            | ori-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).

P13195  
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P13199  
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(5)  
↓  
W. R. Ruff  
01/17/2024

01/17/2024  
JALIN

5



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 Lot No.: A0197993  
Description : Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : August 31, 2029 Storage: 10°C or colder  
Ship: Ambient

P 12603  
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P 12605  
3  
Kauf  
7/3/2023

### CERTIFIED VALUES

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|----------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | ----%  | 1,005.0 µg/mL               | +/- 55.7700                            |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

\* Expanded Uncertainty displayed in same units as Grav. Conc.

### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

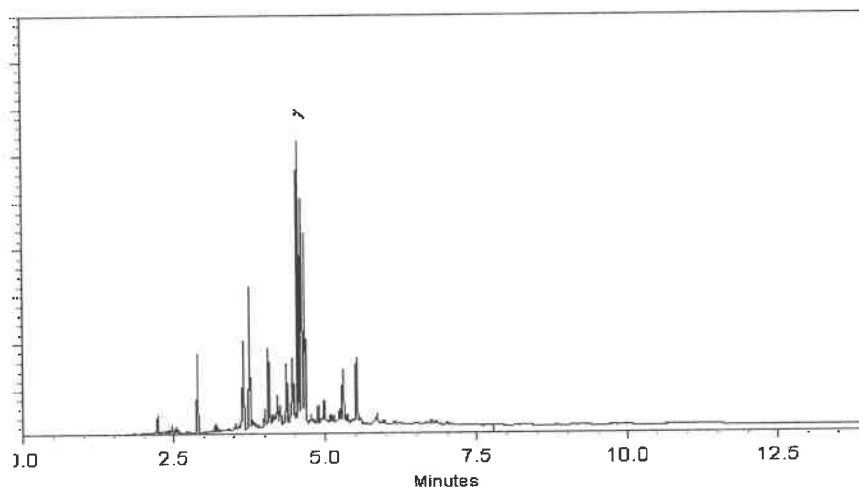
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Morgan Craighead - Mix Technician

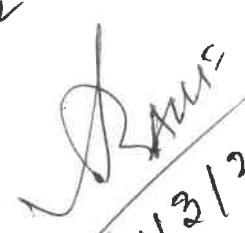
Date Mixed: 11-May-2023

Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 12603 } (3)  
↓  
P 12605  
  
7/3/2023



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## CERTIFIED REFERENCE MATERIAL

### Certificate of Analysis *chromatographic plus*



#### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No.: 32021 Lot No.: A0197993  
Description: Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
Container Size: 2 mL Pkg Amt: > 1 mL  
Expiration Date: August 31, 2029 Storage: 10°C or colder  
Ship: Ambient

*Handwritten:* P 12606, P 12610, 5 Five, 7/3/2023

#### CERTIFIED VALUES

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty* (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|---------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | ----   | 1,005.0 µg/mL               | +/- 55.7700                           |

\* 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:**

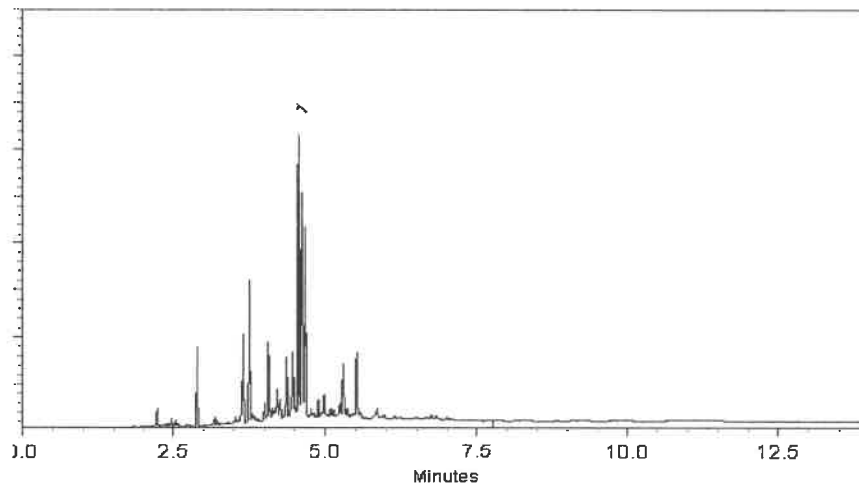
ECD

**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.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32291 **Lot No.:** A0200423

**Description :** Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

P 13034  
↓  
P 13038  
12.26.2023

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | alpha-BHC                     | 319-84-6   | 14434500   | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 2             | gamma-BHC (Lindane)           | 58-89-9    | 14184400   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 3             | beta-BHC                      | 319-85-7   | BCCC6425   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 4             | delta-BHC                     | 319-86-8   | 14450800   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 5             | Heptachlor                    | 76-44-8    | 813251     | 99%    | 202.0 µg/mL                 | +/- 9.0629                             |
| 6             | Aldrin                        | 309-00-2   | 14389400   | 98%    | 200.9 µg/mL                 | +/- 9.0136                             |
| 7             | Heptachlor epoxide (isomer B) | 1024-57-3  | 14448800   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 8             | trans-Chlordane               | 5103-74-2  | 34616      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 9             | cis-Chlordane                 | 5103-71-9  | 31766      | 98%    | 201.4 µg/mL                 | +/- 9.0356                             |
| 10            | Endosulfan I                  | 959-98-8   | BCCF4060   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 11            | 4,4'-DDE                      | 72-55-9    | GHYQG      | 99%    | 201.5 µg/mL                 | +/- 9.0405                             |
| 12            | Dieldrin                      | 60-57-1    | 14515000   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 13            | Endrin                        | 72-20-8    | 14485300   | 98%    | 200.4 µg/mL                 | +/- 8.9916                             |
| 14            | 4,4'-DDD                      | 72-54-8    | HAN02      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 15            | Endosulfan II                 | 33213-65-9 | 14374700   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 16            | 4,4'-DDT                      | 50-29-3    | 230410JLMA | 98%    | 201.9 µg/mL                 | +/- 9.0575                             |

|    |                    |            |          |     |             |            |
|----|--------------------|------------|----------|-----|-------------|------------|
| 17 | Endrin aldehyde    | 7421-93-4  | 30720    | 98% | 201.4 µg/mL | +/- 9.0356 |
| 18 | Endosulfan sulfate | 1031-07-8  | BCCH9010 | 99% | 200.5 µg/mL | +/- 8.9956 |
| 19 | Methoxychlor       | 72-43-5    | 14563200 | 98% | 200.9 µg/mL | +/- 9.0136 |
| 20 | Endrin ketone      | 53494-70-5 | 14537700 | 98% | 199.9 µg/mL | +/- 8.9696 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)  
**CAS #** 110-54-3/108-88-3  
**Purity** 99%

P13034  
P13038  
1  
5  
12/26/2023

## Quality Confirmation Test

**Column:**  
30m x .25mm x .2µm  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
150°C to 300°C  
@ 4°C/min. ( hold 5 min.)

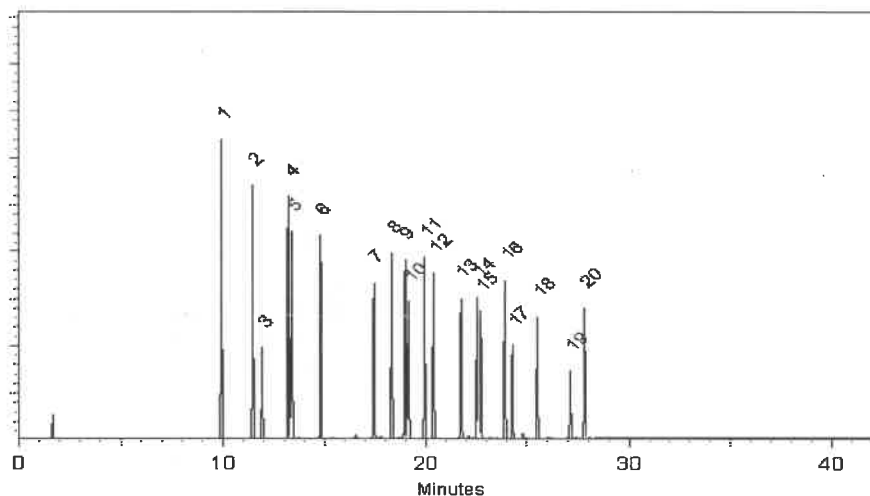
**Inj. Temp:**  
200°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
Split ratio 50:1

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

**Date Mixed:** 31-Jul-2023

**Balance Serial #** B442140311

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 03-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## CERTIFIED WEIGHT REPORT

Part Number: **19161**  
 Lot Number: **013124**  
 Description: **CLP Pesticides & PCB's Resolution Check Standard**  
 9 components  
 Expiration Date: **013129**  
 Recommended Storage: **Refrigerate (4 °C)**  
 Nominal Concentration (µg/mL): **Varied**  
 NIST Test ID#: **6UTB**

Solvent(s):  
 Hexane 273615 (50%)  
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty  
 0.021 Flask Uncertainty

|                |                 |        |
|----------------|-----------------|--------|
|                |                 | 013124 |
| Formulated By: | Lawrence Barry  | DATE   |
|                |                 | 013124 |
| Reviewed By:   | Pedro L. Rentas | DATE   |

| Compound                        | Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(ug/mL) | Final Conc.(ug/mL) | Expanded Uncertainty (+/-) µg/mL | SDS Information<br>(Solvent Safety Info. On Attached pg.) |                  |                    |
|---------------------------------|-------------|------------|-------------|-------------------|--------------------------|----------------------|--------------------|----------------------------------|-----------------------------------------------------------|------------------|--------------------|
|                                 |             |            |             |                   |                          |                      |                    |                                  | CAS#                                                      | OSHA PEL (TWA)   | 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)  | ori-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)  | ori-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              | ori-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) | ori-rat 38300ug/kg |
| 5. Endosulfan sulfate           | 19361       | 013124     | 0.010       | 1.00              | 0.004                    | 204.2                | 2.0                | 0.03                             | 1031-07-8                                                 | N/A              | ori-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          | ori-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                |

• 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).

P13243 } (5)  
 ↓  
 P13247 }  
 ↓  
 02/9/2024



110 Benner Circle  
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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

## 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%

P13773  
↓  
P13779  
AI  
11/19/24

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:**

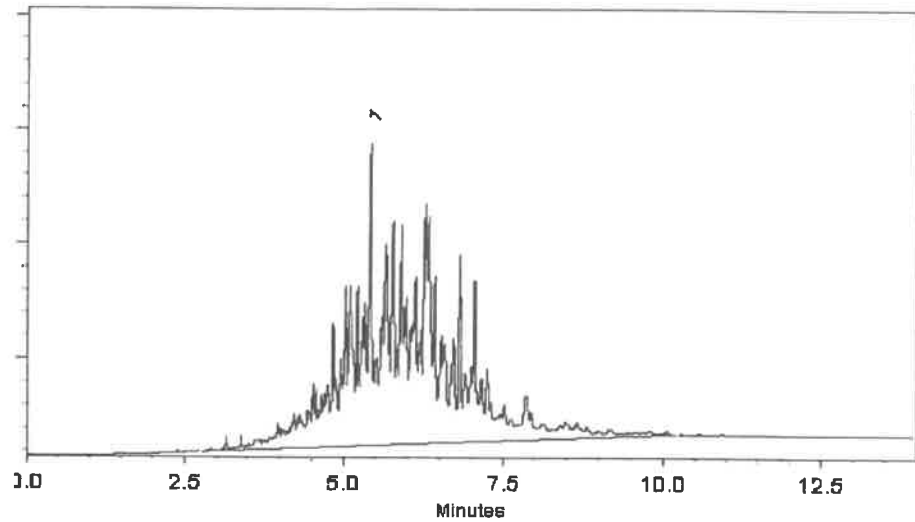
ECD

**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

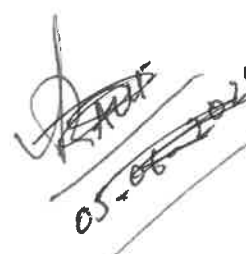
Date Mixed: 10-Oct-2023

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

  
P13338  
↓  
P13389  
P13773  
↓  
P13779  
AJ  
11/19/24  
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



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. :** 32074 **Lot No.:** A0213999

**Description :** Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL,  
Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2028 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13780  
↓  
P13784  
AJ  
11/19/24

## 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%    | 2.0 µg/mL                   | +/- 0.1506                             |
| 2             | alpha-BHC                    | 319-84-6  | 15279000  | 99%    | 1.0 µg/mL                   | +/- 0.0749                             |
| 3             | gamma-BHC (Lindane)          | 58-89-9   | 14931300  | 97%    | 1.0 µg/mL                   | +/- 0.0756                             |
| 4             | beta-BHC                     | 319-85-7  | BCCC6425  | 99%    | 1.0 µg/mL                   | +/- 0.0749                             |
| 5             | Endrin                       | 72-20-8   | 15076100  | 98%    | 5.0 µg/mL                   | +/- 0.3769                             |
| 6             | 4,4'-DDT                     | 50-29-3   | 231103JLM | 97%    | 10.0 µg/mL                  | +/- 0.7512                             |
| 7             | Methoxychlor                 | 72-43-5   | 14979500  | 98%    | 24.8 µg/mL                  | +/- 1.8543                             |
| 8             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638     | 99%    | 2.0 µg/mL                   | +/- 0.1513                             |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**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 .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:

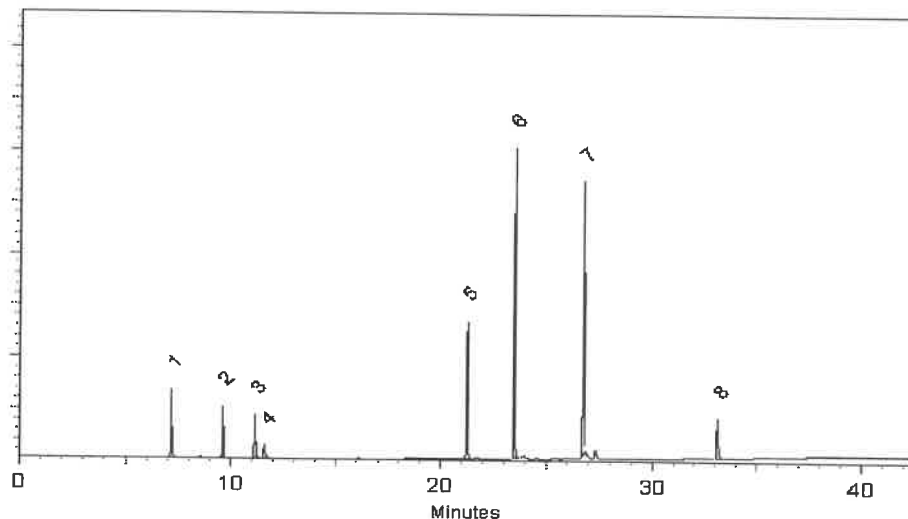
ECD

### Split Vent:

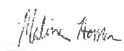
Split ratio 50:1

### 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.

  
Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

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.:** A0214495

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785  
↓  
P19789  
AJ  
11/19/24

## CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.2 µg/mL                 | +/- 11.1087                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.4 µg/mL                 | +/- 11.1753                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

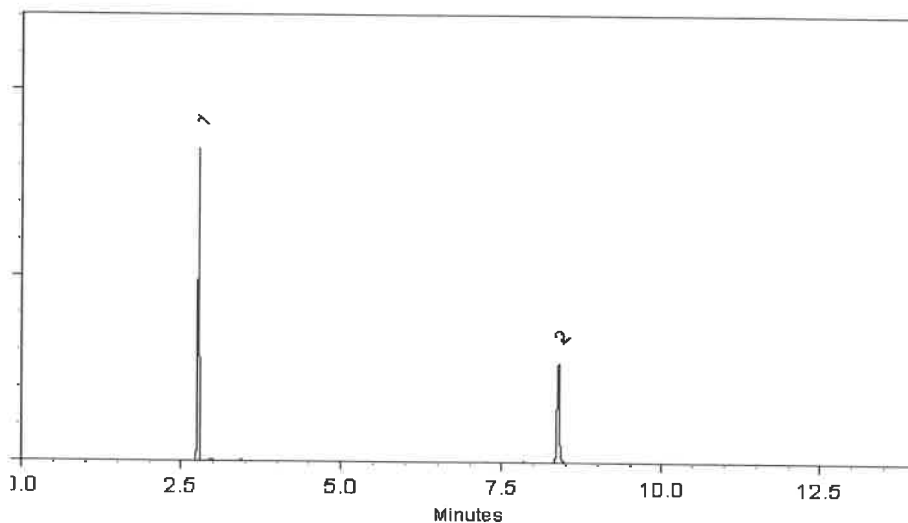
ECD

**Split Vent:**

10 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A.O.E.*  
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32000 **Lot No.:** A0214495

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785  
↓  
P19789  
AJ  
11/19/24

## CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.2 µg/mL                 | +/- 11.1087                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.4 µg/mL                 | +/- 11.1753                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

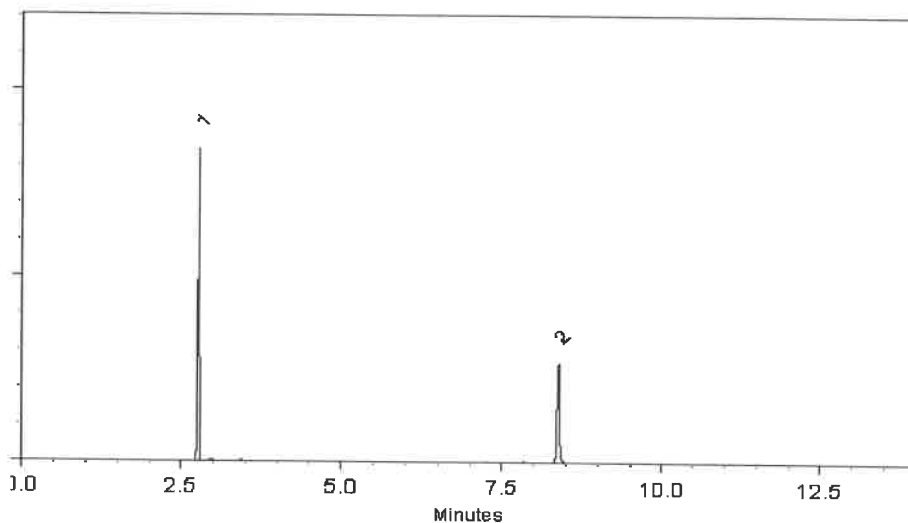
ECD

**Split Vent:**

10 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A.O.E.*  
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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. :** 32005 **Lot No.:** A0210240

**Description :** Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | ----%  | 1,009.3 µg/mL               | +/- 56.0105                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

P13861  
P13862

12/9/2024

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

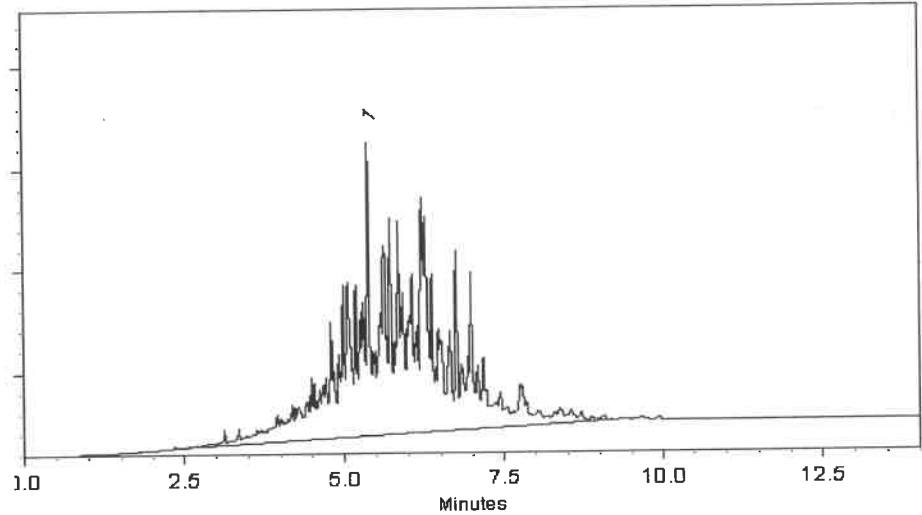
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

  
Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13861 } ②  
P13862 }

  
12/9/2024



**CERTIFIED WEIGHT REPORT**

Part Number: **72072**  
Lot Number: **112018**  
Description: **n-Tetracosane-d50**  
Expiration Date: **112028**  
Recommended Storage: **Ambient (20 °C)**  
Nominal Concentration (µg/mL): **1000**  
NIST Test ID#: **2684186**  
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**  
Lot#: **102669**

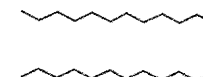
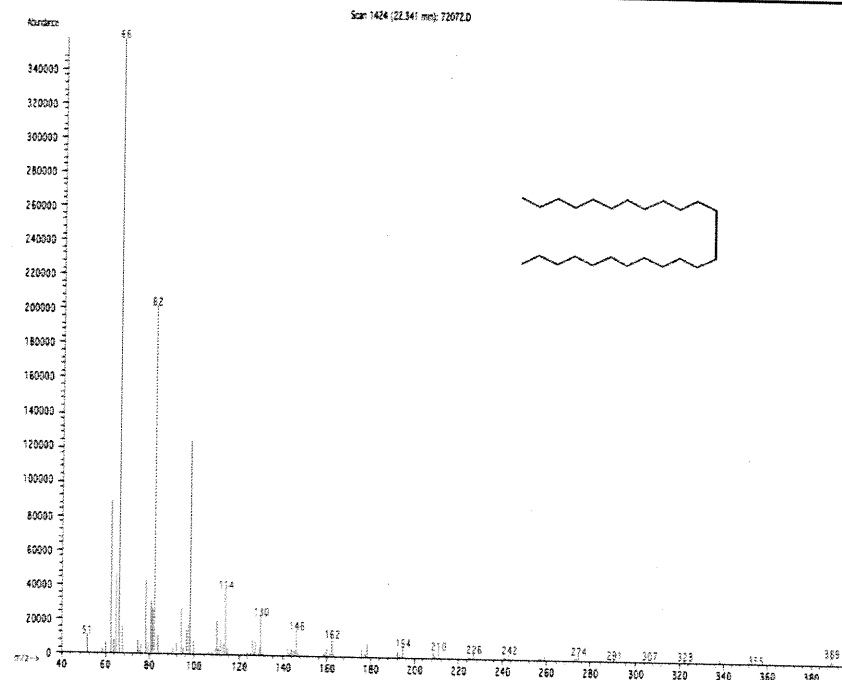
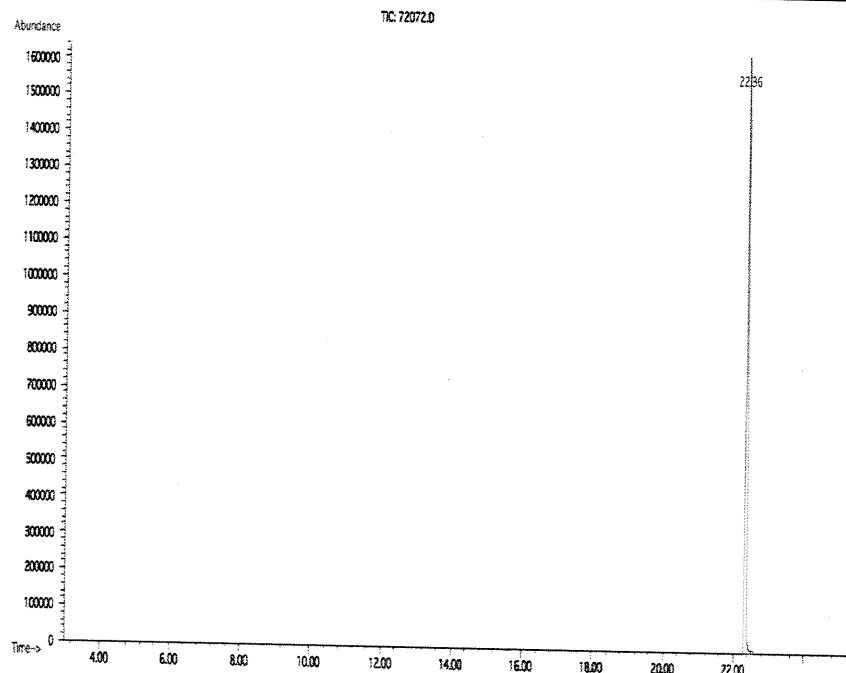
Received by  
SG on 11/1/19  
P9044 - P9053

5E-05 Balance Uncertainty  
0.058 Flask Uncertainty

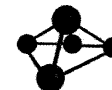
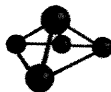
|                         |                  |        |
|-------------------------|------------------|--------|
| <i>Prashant Chauhan</i> |                  | 112018 |
| Formulated By:          | Prashant Chauhan | DATE   |
| <i>Pedro Rentas</i>     |                  | 112018 |
| Reviewed By:            | Pedro Rentas     | DATE   |

| Compound             | RM#  | Lot Number        | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |                |      |
|----------------------|------|-------------------|----------------------|------------|--------------------|------------------|------------------|---------------------|------------------------------------|--------------------------------------------------------|----------------|------|
|                      |      |                   |                      |            |                    |                  |                  |                     |                                    | CAS#                                                   | OSHA PEL (TWA) | LD50 |
| 1. n-Tetracosane-d50 | 2072 | PR-17753/09216TC1 | 1000                 | 98         | 0.2                | 0.20411          | 0.20415          | 1000.2              | 4.2                                | 16416-32-3                                             | N/A            | 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.



- 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).



## 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

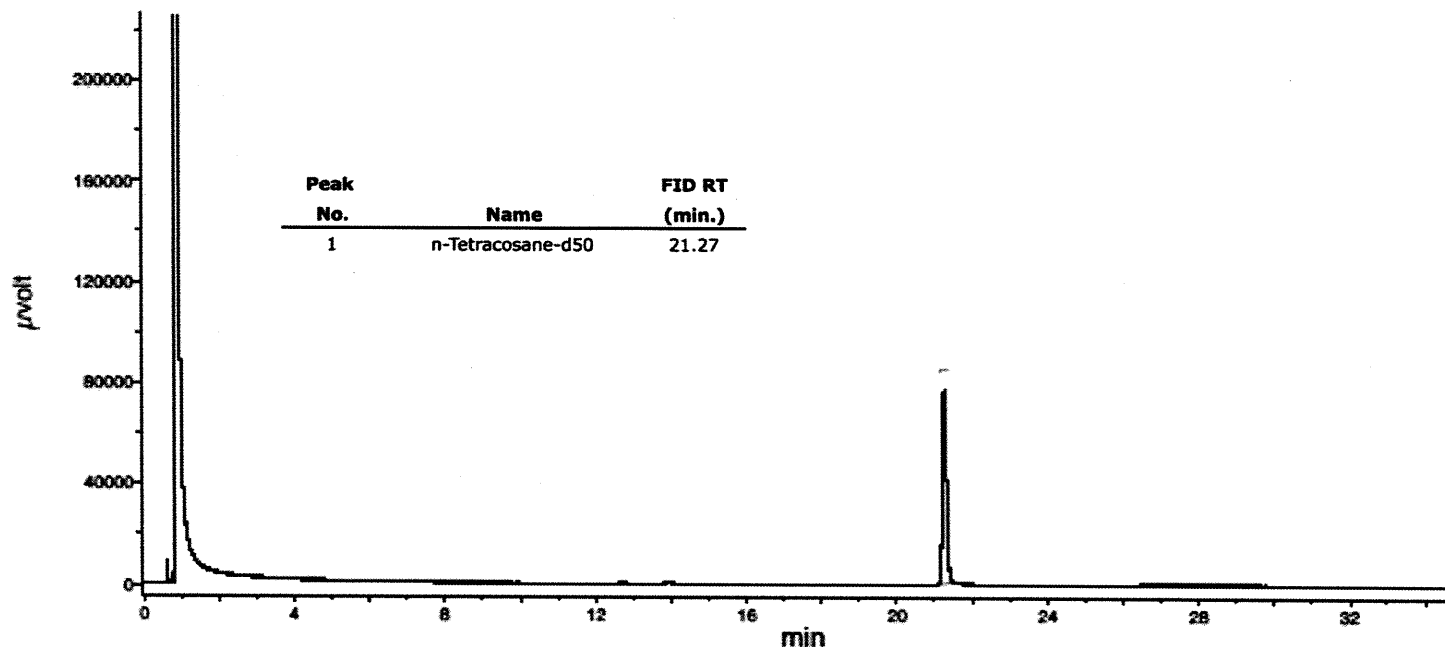
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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 = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





# SHIPPING DOCUMENTS

Q3321

## USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

## CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

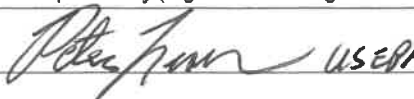
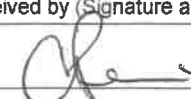
Cooler #: 1

Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

| Lab # | Sample #   | Location | Analyses         | Matrix | Sample Date | Sample Time | Numb Cont | Container                      | Preservative | Lab QC |
|-------|------------|----------|------------------|--------|-------------|-------------|-----------|--------------------------------|--------------|--------|
|       | P001-DS-01 | P001     | TAL VOCs         | Soil   | 10/8/2025   | 14:15       | 3         | 5-g Encore sampler             | 4 C          |        |
|       | P001-DS-01 | P001     | TAL SVOCs        | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |
|       | P001-DS-01 | P001     | TAL PCBs         | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |
|       | P001-DS-01 | P001     | TAL Pesticides   | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass cl jar w/Teflon cap | 4 C          |        |
|       | P001-DS-01 | P001     | TAL Metals+Hg&CN | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |
|       | P001-DS-01 | P001     | TCLP VOCs        | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |
|       | P001-DS-01 | P001     | TCLP Metals+Hg   | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |
|       | P001-DS-01 | P001     | TAL Pesticides   | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |
|       | P001-DS-01 | P001     | TCLP SVOCs       | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |
|       | P001-DS-01 | P001     | TCLP Herbicides  | Soil   | 10/8/2025   | 14:15       | 1         | 8 oz glass jar w/Teflon cap    | 4 C          |        |

|                       |                          |
|-----------------------|--------------------------|
| Special Instructions: | SAMPLES TRANSFERRED FROM |
|                       | CHAIN OF CUSTODY #       |

| Items/Reason                | Relinquished by (Signature and Organization)                                              | Date/Time        | Received by (Signature and Organization)                                              | Date/Time        | Sample Condition Upon Receipt |
|-----------------------------|-------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|------------------|-------------------------------|
| All samples<br>All analyses |  USEPA | 10/8/25<br>1600h |  | 10/9/25<br>10:00 | IR Gun #1 3.4                 |
|                             |                                                                                           |                  |                                                                                       |                  |                               |
|                             |                                                                                           |                  |                                                                                       |                  |                               |

Q3321

## USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

## CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

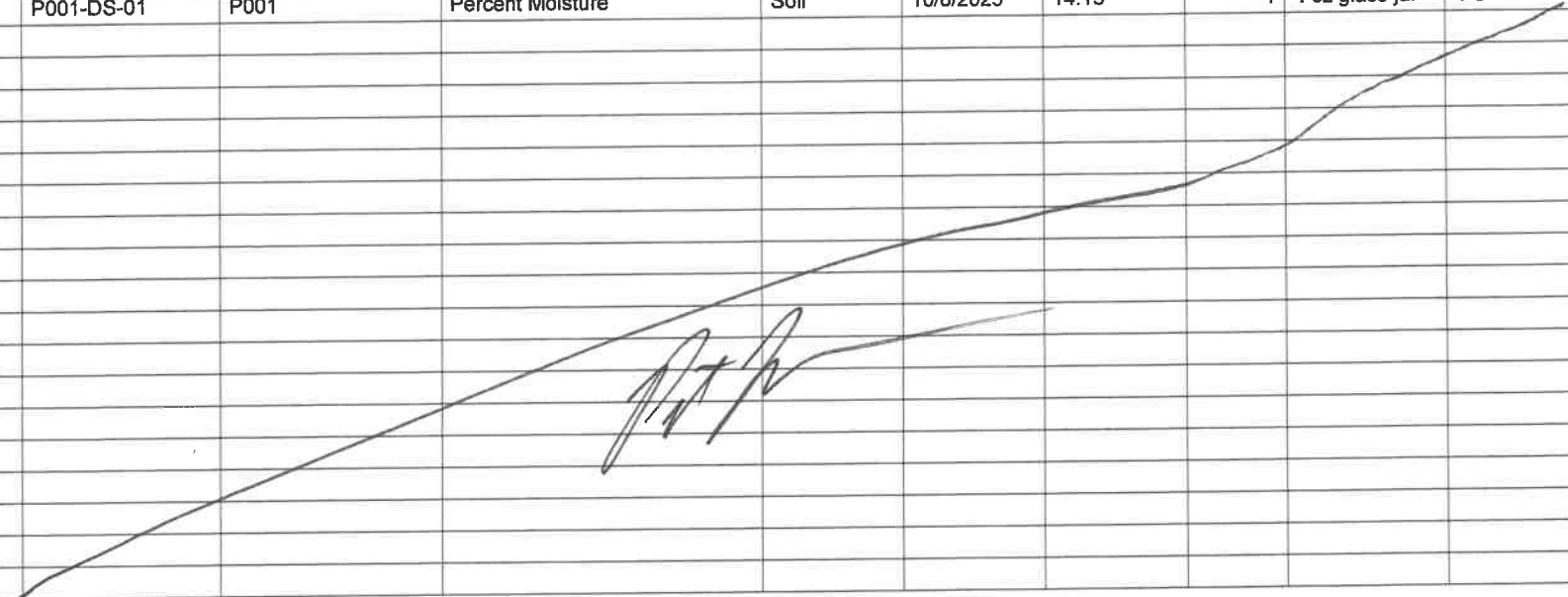
Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

Cooler #: 1

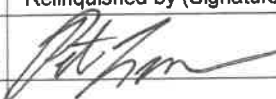
Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

| Lab #                                                                               | Sample #   | Location | Analyses         | Matrix | Sample Date | Sample Time | Numb Cont | Container      | Preservative | Lab QC |
|-------------------------------------------------------------------------------------|------------|----------|------------------|--------|-------------|-------------|-----------|----------------|--------------|--------|
|                                                                                     | P001-DS-01 | P001     | Percent Moisture | Soil   | 10/8/2025   | 14:15       | 1         | 4 oz glass jar | 4 C          |        |
|  |            |          |                  |        |             |             |           |                |              |        |

SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #

Special Instructions:

| Items/Reason                | Relinquished by (Signature and Organization)                                              | Date/Time          | Received by (Signature and Organization)                                              | Date/Time       | Sample Condition Upon Receipt |
|-----------------------------|-------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|-----------------|-------------------------------|
| ALL SAMPLES<br>ALL ANALYSIS |  USEPA | 10/8/25<br>1600 AM |  | 1000<br>10/9/25 | IR 5.00 ± 1 3.4               |
|                             |                                                                                           |                    |                                                                                       |                 |                               |
|                             |                                                                                           |                    |                                                                                       |                 |                               |

### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

**LOGIN REPORT/SAMPLE TRANSFER**

|                                              |        |                                                 |                                   |
|----------------------------------------------|--------|-------------------------------------------------|-----------------------------------|
| <b>Order ID :</b> Q3321                      | ROYF02 | <b>Order Date :</b> 10/9/2025 10:30:00 AM       | <b>Project Mgr :</b>              |
| <b>Client Name :</b> Weston Solutions, Inc.  |        | <b>Project Name :</b> RFP 905-918               | <b>Report Type :</b> Level 4      |
| <b>Client Contact :</b> Smita Sumbaly        |        | <b>Receive DateTime :</b> 10/9/2025 12:00:00 AM | <b>EDD Type :</b> EXCEL NOCLEANUP |
| <b>Invoice Name :</b> Weston Solutions, Inc. |        | <b>Purchase Order :</b> 10:00                   | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Smita Sumbaly       |        |                                                 | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID  | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD | FAX DATE | DUE DATES                  |
|----------|------------|--------|-------------|-------------|---------------|------------|--------|----------|----------------------------|
| Q3321-01 | P001-DS-01 | Solid  | 10/08/2025  | 14:15       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days<br>5 Bus Days |

Relinquished By :

Date / Time : 10/9/25 10:00

Received By :

Date / Time : 10/09/25

Storage Area : VOA Refridgerator Room