

## **DATA PACKAGE**

### **GC SEMI-VOLATILES**

**PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR**

**RU2 ENGINEERING, LLC**

**2 Melinda Drive**

**Monroe Township, NJ - 08831**

**Phone No: 732-261-2236**

**ORDER ID : Q1242**

**ATTENTION : Rutu Manani**



**Laboratory Certification ID # 20012**



|                                             |     |
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## Cover Page

**Order ID :** Q1242

**Project ID :** NYCDDC SANTWOBR Brooklyn Bridge BBMCR

**Client :** RU2 Engineering, LLC

### Lab Sample Number

Q1242-01  
Q1242-02  
Q1242-03  
Q1242-04

### Client Sample Number

JPP-6.2-013025  
JPP-6.2-013025  
JPP-6.2-013025  
JPP-6.2-013025

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 : \_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 11:55 am, Feb 14, 2025*

Date: 2/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**RU2 Engineering, LLC**

**Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR**

**Project # N/A**

**Chemtech Project # Q1242**

**Test Name: Pesticide-TCL**

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

4 Solid samples were received on 01/30/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. 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 met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD for {Q1239-10MSD} with File ID: PL093961.D met criteria except for Endrin aldehyde[30%]due to difference in results of MS-MSD.

The Blank Spike met requirements for all samples .

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:**

Sample #JPP-6.2-013025 was reported with J flag on form 1 for com#17 based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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

**F. 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\_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 11:56 am, Feb 14, 2025*

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | 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.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(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.</li> </ul> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | 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”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | 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.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



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

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

CHEMTECH PROJECT NUMBER: Q1242

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><br>The MS recoveries met the requirements for all compounds .<br><br>The MSD recoveries met the acceptable requirements .<br><br>The Blank Spike met requirements for all samples .<br><br>The RPD for {Q1239-10MSD} with File ID: PL093961.D met criteria except for Endrin aldehyde[30%]due to difference in results of MS-MSD. |    | ✓  |     |
| 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:                                                                                                                                                                                                                                                                                                                                                                                                             |    |    | ✓   |



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

|                                                                                                | NA | NO | YES |
|------------------------------------------------------------------------------------------------|----|----|-----|
| 9. Analysis Holding Time Met                                                                   |    |    | ✓   |
| If not met, list those compounds and their recoveries which fall outside the acceptable range. |    |    |     |

**ADDITIONAL COMMENTS:**

Sample #JPP-6.2-013025 was reported with J flag on form 1 for com#17 based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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

**REVIEWED**

*By Sohil Jodhani, QA/QC Director at 10:35 am, Feb 14, 2025*

QA REVIEW

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1242

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/10/2025

## LAB CHRONICLE

|                 |                      |                   |                                       |
|-----------------|----------------------|-------------------|---------------------------------------|
| <b>OrderID:</b> | Q1242                | <b>OrderDate:</b> | 1/30/2025 3:02:00 PM                  |
| <b>Client:</b>  | RU2 Engineering, LLC | <b>Project:</b>   | NYCDDC SANTWOBR Brooklyn Bridge BBMCR |
| <b>Contact:</b> | Rutu Manani          | <b>Location:</b>  | E11,VOA Ref. #2 Soil                  |

| LabID             | ClientID                | Matrix      | Test                    | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|-------------------------|-------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1242-01</b>   | <b>JPP-6.2-013025</b>   | <b>SOIL</b> |                         |        | <b>01/30/25</b> |           |           | <b>01/30/25</b> |
|                   |                         |             | Diesel Range Organics   | 8015D  |                 | 01/31/25  | 01/31/25  |                 |
|                   |                         |             | Gasoline Range Organics | 8015D  |                 |           | 01/31/25  |                 |
| <b>Q1242-03</b>   | <b>JPP-6.2-013025</b>   | <b>SOIL</b> |                         |        | <b>01/30/25</b> |           |           | <b>01/30/25</b> |
|                   |                         |             | PCB                     | 8082A  |                 | 01/31/25  | 02/01/25  |                 |
|                   |                         |             | Pesticide-TCL           | 8081B  |                 | 01/31/25  | 01/31/25  |                 |
| <b>Q1242-03RE</b> | <b>JPP-6.2-013025RE</b> | <b>SOIL</b> |                         |        | <b>01/30/25</b> |           |           | <b>01/30/25</b> |
|                   |                         |             | PCB                     | 8082A  |                 | 01/31/25  | 02/04/25  |                 |
| <b>Q1242-04</b>   | <b>JPP-6.2-013025</b>   | <b>TCLP</b> |                         |        | <b>01/30/25</b> |           |           | <b>01/30/25</b> |
|                   |                         |             | TCLP Herbicide          | 8151A  |                 | 02/03/25  | 02/03/25  |                 |
|                   |                         |             | TCLP Pesticide          | 8081B  |                 | 02/03/25  | 02/03/25  |                 |

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

**SDG No.:** Q1242

**Order ID:** Q1242

**Client:** RU2 Engineering, LLC

**Project ID:** NYCDDC SANTWOBR Brooklyn Bri

| Sample ID                         | Client ID      | Matrix | Parameter       | Concentration | C  | MDL  | RDL  | Units |
|-----------------------------------|----------------|--------|-----------------|---------------|----|------|------|-------|
| <b>Client ID : JPP-6.2-013025</b> |                |        |                 |               |    |      |      |       |
| Q1242-03                          | JPP-6.2-013025 | SOIL   | Endrin          | 0.25          | J  | 0.20 | 2.10 | ug/kg |
| Q1242-03                          | JPP-6.2-013025 | SOIL   | 4,4-DDT         | 0.67          | J  | 0.21 | 2.10 | ug/kg |
| Q1242-03                          | JPP-6.2-013025 | SOIL   | alpha-Chlordane | 0.56          | JP | 0.21 | 2.10 | ug/kg |
| <b>Total Concentration:</b>       |                |        |                 | <b>1.480</b>  |    |      |      |       |





# QC SUMMARY

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### Surrogate Summary

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| I.BLK-PL093725.D | PIBLK-PL093725.D | Decachlorobiphenyl   | 1      | 20    | 22.1   | 111 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.8   | 104 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.9   | 109 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.5   | 103 |      | 77     | 126  |
| I.BLK-PL093928.D | PIBLK-PL093928.D | Decachlorobiphenyl   | 1      | 20    | 20.6   | 103 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.1   | 106 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.4   | 102 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.8   | 99  |      | 77     | 126  |
| PB166413BL       | PB166413BL       | Decachlorobiphenyl   | 1      | 20    | 24.6   | 123 |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 23.8   | 119 |      | 10     | 159  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 24.1   | 121 |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 22.1   | 110 |      | 10     | 159  |
| PB166413BS       | PB166413BS       | Decachlorobiphenyl   | 1      | 20    | 21.2   | 106 |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.0   | 100 |      | 10     | 159  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.7   | 109 |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.6   | 93  |      | 10     | 159  |
| I.BLK-PL093942.D | PIBLK-PL093942.D | Decachlorobiphenyl   | 1      | 20    | 22.6   | 113 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.7   | 109 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.3   | 111 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.1   | 101 |      | 77     | 126  |
| I.BLK-PL093957.D | PIBLK-PL093957.D | Decachlorobiphenyl   | 1      | 20    | 20.4   | 102 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 22.0   | 110 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.1   | 86  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.8   | 104 |      | 77     | 126  |
| Q1239-10MS       | 357MS            | Decachlorobiphenyl   | 1      | 20    | 14.9   | 75  |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.1   | 95  |      | 10     | 159  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 13.7   | 69  |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.0   | 90  |      | 10     | 159  |
| Q1239-10MSD      | 357MSD           | Decachlorobiphenyl   | 1      | 20    | 15.4   | 77  |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 18.7   | 93  |      | 10     | 159  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 13.6   | 68  |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.9   | 90  |      | 10     | 159  |
| Q1242-03         | JPP-6.2-013025   | Decachlorobiphenyl   | 1      | 20    | 13.9   | 70  |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 14.8   | 74  |      | 10     | 159  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 10.8   | 54  |      | 10     | 148  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 16.1   | 81  |      | 10     | 159  |
| I.BLK-PL093970.D | PIBLK-PL093970.D | Decachlorobiphenyl   | 1      | 20    | 19.3   | 96  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.3   | 107 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 16.1   | 81  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.0   | 100 |      | 77     | 126  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B

DataFile : PL093960.D

| Lab Sample ID:                  | Parameter           | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|---------------------------------|---------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| Client Sample ID:<br>Q1239-10MS | 357MS               |       |               |        |       |     |          |     |          |     |             |     |
|                                 | alpha-BHC           | 19.63 | 0             | 19.6   | ug/kg | 100 |          |     |          | 60  | 144         |     |
|                                 | beta-BHC            | 19.63 | 0             | 19.9   | ug/kg | 101 |          |     |          | 54  | 143         |     |
|                                 | delta-BHC           | 19.63 | 0             | 19.1   | ug/kg | 97  |          |     |          | 47  | 144         |     |
|                                 | gamma-BHC (Lindane) | 19.63 | 0             | 19.2   | ug/kg | 98  |          |     |          | 61  | 140         |     |
|                                 | Heptachlor          | 19.63 | 0             | 19.1   | ug/kg | 97  |          |     |          | 63  | 135         |     |
|                                 | Aldrin              | 19.63 | 0             | 19.3   | ug/kg | 98  |          |     |          | 49  | 139         |     |
|                                 | Heptachlor epoxide  | 19.63 | 0             | 20.0   | ug/kg | 102 |          |     |          | 32  | 180         |     |
|                                 | Endosulfan I        | 19.63 | 0             | 19.0   | ug/kg | 97  |          |     |          | 56  | 142         |     |
|                                 | Dieldrin            | 19.63 | 0             | 20.5   | ug/kg | 104 |          |     |          | 47  | 161         |     |
|                                 | 4,4'-DDE            | 19.63 | 0             | 21.4   | ug/kg | 109 |          |     |          | 55  | 136         |     |
|                                 | Endrin              | 19.63 | 0             | 20.2   | ug/kg | 103 |          |     |          | 57  | 139         |     |
|                                 | Endosulfan II       | 19.63 | 0             | 19.5   | ug/kg | 99  |          |     |          | 40  | 163         |     |
|                                 | 4,4'-DDD            | 19.63 | 0.28          | 22.0   | ug/kg | 111 |          |     |          | 37  | 192         |     |
|                                 | Endosulfan sulfate  | 19.63 | 0             | 18.4   | ug/kg | 94  |          |     |          | 62  | 139         |     |
|                                 | 4,4'-DDT            | 19.63 | 0             | 18.9   | ug/kg | 96  |          |     |          | 51  | 146         |     |
|                                 | Methoxychlor        | 19.63 | 0             | 17.5   | ug/kg | 89  |          |     |          | 54  | 136         |     |
|                                 | Endrin ketone       | 19.63 | 0             | 17.5   | ug/kg | 89  |          |     |          | 60  | 129         |     |
|                                 | Endrin aldehyde     | 19.63 | 0             | 13.7   | ug/kg | 70  |          |     |          | 59  | 132         |     |
|                                 | alpha-Chlordane     | 19.63 | 0             | 20.4   | ug/kg | 104 |          |     |          | 30  | 192         |     |
|                                 | gamma-Chlordane     | 19.63 | 0             | 21.0   | ug/kg | 107 |          |     |          | 44  | 175         |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B

DataFile : PL093961.D

| Lab Sample ID:                   | Parameter           | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|----------------------------------|---------------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                                  |                     |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| Client Sample ID:<br>Q1239-10MSD | 357MSD              |       |        |        |       |     |      |     |      |     |        |     |
|                                  | alpha-BHC           | 19.65 | 0      | 19.8   | ug/kg | 101 |      | 1   |      | 60  | 144    | 20  |
|                                  | beta-BHC            | 19.65 | 0      | 20.1   | ug/kg | 102 |      | 1   |      | 54  | 143    | 20  |
|                                  | delta-BHC           | 19.65 | 0      | 20.0   | ug/kg | 102 |      | 5   |      | 47  | 144    | 20  |
|                                  | gamma-BHC (Lindane) | 19.65 | 0      | 19.4   | ug/kg | 99  |      | 1   |      | 61  | 140    | 20  |
|                                  | Heptachlor          | 19.65 | 0      | 20.3   | ug/kg | 103 |      | 6   |      | 63  | 135    | 20  |
|                                  | Aldrin              | 19.65 | 0      | 19.5   | ug/kg | 99  |      | 1   |      | 49  | 139    | 20  |
|                                  | Heptachlor epoxide  | 19.65 | 0      | 20.0   | ug/kg | 102 |      | 0   |      | 32  | 180    | 20  |
|                                  | Endosulfan I        | 19.65 | 0      | 19.5   | ug/kg | 99  |      | 2   |      | 56  | 142    | 20  |
|                                  | Dieldrin            | 19.65 | 0      | 20.6   | ug/kg | 105 |      | 1   |      | 47  | 161    | 20  |
|                                  | 4,4'-DDE            | 19.65 | 0      | 21.4   | ug/kg | 109 |      | 0   |      | 55  | 136    | 20  |
|                                  | Endrin              | 19.65 | 0      | 20.9   | ug/kg | 106 |      | 3   |      | 57  | 139    | 20  |
|                                  | Endosulfan II       | 19.65 | 0      | 20.1   | ug/kg | 102 |      | 3   |      | 40  | 163    | 20  |
|                                  | 4,4'-DDD            | 19.65 | 0.28   | 22.2   | ug/kg | 112 |      | 1   |      | 37  | 192    | 20  |
|                                  | Endosulfan sulfate  | 19.65 | 0      | 19.7   | ug/kg | 100 |      | 6   |      | 62  | 139    | 20  |
|                                  | 4,4'-DDT            | 19.65 | 0      | 20.5   | ug/kg | 104 |      | 8   |      | 51  | 146    | 20  |
|                                  | Methoxychlor        | 19.65 | 0      | 19.8   | ug/kg | 101 |      | 13  |      | 54  | 136    | 20  |
|                                  | Endrin ketone       | 19.65 | 0      | 18.8   | ug/kg | 96  |      | 8   |      | 60  | 129    | 20  |
|                                  | Endrin aldehyde     | 19.65 | 0      | 18.7   | ug/kg | 95  |      | 30  | *    | 59  | 132    | 20  |
|                                  | alpha-Chlordane     | 19.65 | 0      | 20.6   | ug/kg | 105 |      | 1   |      | 30  | 192    | 20  |
|                                  | gamma-Chlordane     | 19.65 | 0      | 20.9   | ug/kg | 106 |      | 1   |      | 44  | 175    | 20  |

# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B

Datafile : PL093941.D

| Lab Sample ID | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB166413BS    | alpha-BHC           | 16.66 | 14.9   | ug/kg | 89  |     |      |      | 84  | 123    |     |
|               | beta-BHC            | 16.66 | 15.1   | ug/kg | 91  |     |      |      | 82  | 123    |     |
|               | delta-BHC           | 16.66 | 15.1   | ug/kg | 91  |     |      |      | 83  | 126    |     |
|               | gamma-BHC (Lindane) | 16.66 | 14.8   | ug/kg | 89  |     |      |      | 83  | 125    |     |
|               | Heptachlor          | 16.66 | 16.0   | ug/kg | 96  |     |      |      | 83  | 122    |     |
|               | Aldrin              | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 82  | 124    |     |
|               | Heptachlor epoxide  | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 83  | 120    |     |
|               | Endosulfan I        | 16.66 | 15.4   | ug/kg | 92  |     |      |      | 81  | 124    |     |
|               | Dieldrin            | 16.66 | 15.5   | ug/kg | 93  |     |      |      | 85  | 121    |     |
|               | 4,4'-DDE            | 16.66 | 16.5   | ug/kg | 99  |     |      |      | 81  | 123    |     |
|               | Endrin              | 16.66 | 16.8   | ug/kg | 101 |     |      |      | 76  | 130    |     |
|               | Endosulfan II       | 16.66 | 16.2   | ug/kg | 97  |     |      |      | 80  | 125    |     |
|               | 4,4'-DDD            | 16.66 | 17.1   | ug/kg | 103 |     |      |      | 80  | 131    |     |
|               | Endosulfan sulfate  | 16.66 | 16.2   | ug/kg | 97  |     |      |      | 81  | 122    |     |
|               | 4,4'-DDT            | 16.66 | 17.5   | ug/kg | 105 |     |      |      | 70  | 129    |     |
|               | Methoxychlor        | 16.66 | 17.2   | ug/kg | 103 |     |      |      | 60  | 119    |     |
|               | Endrin ketone       | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 77  | 132    |     |
|               | Endrin aldehyde     | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 79  | 124    |     |
|               | alpha-Chlordane     | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 84  | 120    |     |
|               | gamma-Chlordane     | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 83  | 122    |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166413BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242

SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: PB166413BL

Lab File ID: PL093940.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/31/2025

Date Analyzed (1): 01/31/2025

Date Analyzed (2): 01/31/2025

Time Analyzed (1): 14:28

Time Analyzed (2): 14:28

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 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB166413BS        | PB166413BS       | PL093941.D     | 01/31/2025         | 01/31/2025         |
| 357MS             | Q1239-10MS       | PL093960.D     | 01/31/2025         | 01/31/2025         |
| 357MSD            | Q1239-10MSD      | PL093961.D     | 01/31/2025         | 01/31/2025         |
| JPP-6.2-013025    | Q1242-03         | PL093967.D     | 01/31/2025         | 01/31/2025         |

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



# SAMPLE DATA

|    |
|----|
| 1  |
| 2  |
| 3  |
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| 7  |
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## Report of Analysis

|                    |                                       |                    |                     |
|--------------------|---------------------------------------|--------------------|---------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/30/25            |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/30/25            |
| Client Sample ID:  | JPP-6.2-013025                        | SDG No.:           | Q1242               |
| Lab Sample ID:     | Q1242-03                              | Matrix:            | SOIL                |
| Analytical Method: | SW8081                                | % Solid:           | 81.2      Decanted: |
| Sample Wt/Vol:     | 30.01      Units:    g                | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-TCL       |
| Extraction Type:   |                                       | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :                         |                    |                     |
| Prep Method :      | SW3541B                               |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093967.D        | 1         | 01/31/25 08:15 | 01/31/25 22:04 | PB166413      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 2.10  | U         | 0.22     | 2.10       | ug/kg             |
| 319-85-7          | beta-BHC             | 2.10  | U         | 0.60     | 2.10       | ug/kg             |
| 319-86-8          | delta-BHC            | 2.10  | U         | 0.58     | 2.10       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 2.10  | U         | 0.23     | 2.10       | ug/kg             |
| 76-44-8           | Heptachlor           | 2.10  | U         | 0.21     | 2.10       | ug/kg             |
| 309-00-2          | Aldrin               | 2.10  | U         | 0.17     | 2.10       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 2.10  | U         | 0.28     | 2.10       | ug/kg             |
| 959-98-8          | Endosulfan I         | 2.10  | U         | 0.21     | 2.10       | ug/kg             |
| 60-57-1           | Dieldrin             | 2.10  | U         | 0.18     | 2.10       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 2.10  | U         | 0.16     | 2.10       | ug/kg             |
| 72-20-8           | Endrin               | 0.25  | J         | 0.20     | 2.10       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 2.10  | U         | 0.37     | 2.10       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 2.10  | U         | 0.23     | 2.10       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 2.10  | U         | 0.16     | 2.10       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.67  | J         | 0.21     | 2.10       | ug/kg             |
| 72-43-5           | Methoxychlor         | 2.10  | U         | 0.47     | 2.10       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 2.10  | U         | 0.27     | 2.10       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 2.10  | U         | 0.48     | 2.10       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.56  | JP        | 0.21     | 2.10       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 2.10  | U         | 0.23     | 2.10       | ug/kg             |
| 8001-35-2         | Toxaphene            | 40.6  | U         | 6.40     | 40.6       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 13.9  |           | 10 - 148 | 70%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 16.1  |           | 10 - 159 | 81%        | SPK: 20           |



## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/30/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/30/25      |
| Client Sample ID:  | JPP-6.2-013025                        | SDG No.:           | Q1242         |
| Lab Sample ID:     | Q1242-03                              | Matrix:            | SOIL          |
| Analytical Method: | SW8081                                | % Solid:           | 81.2          |
| Sample Wt/Vol:     | 30.01                                 | 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 |
| PL093967.D        | 1         | 01/31/25 08:15 | 01/31/25 22:04 | PB166413      |

| 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\PL013125\  
 Data File : PL093967.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 22:04  
 Operator : AR\AJ  
 Sample : Q1242-03  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 JPP-6.2-013025

### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
 Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:36:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.536 | 2.773 | 39867664 | 52633131 | 14.805m | 16.125  |
| 28) SA Decachlor...         | 9.056 | 7.911 | 29111823 | 37815028 | 13.916  | 10.792  |
| Target Compounds            |       |       |          |          |         |         |
| 11) B alpha-Chl...          | 6.020 | 5.038 | 3823669  | 2667603  | 1.371m  | 0.637m# |
| 14) MA Endrin               | 6.571 | 5.643 | 1423218  | 1923118  | 0.607m  | 0.521m  |
| 17) MA 4,4'-DDT             | 7.021 | 6.029 | 989108   | 5321050  | 0.502m  | 1.635m# |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093967.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 22:04  
Operator : AR\AJ  
Sample : Q1242-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

JPP-6.2-013025

## Manual Integrations

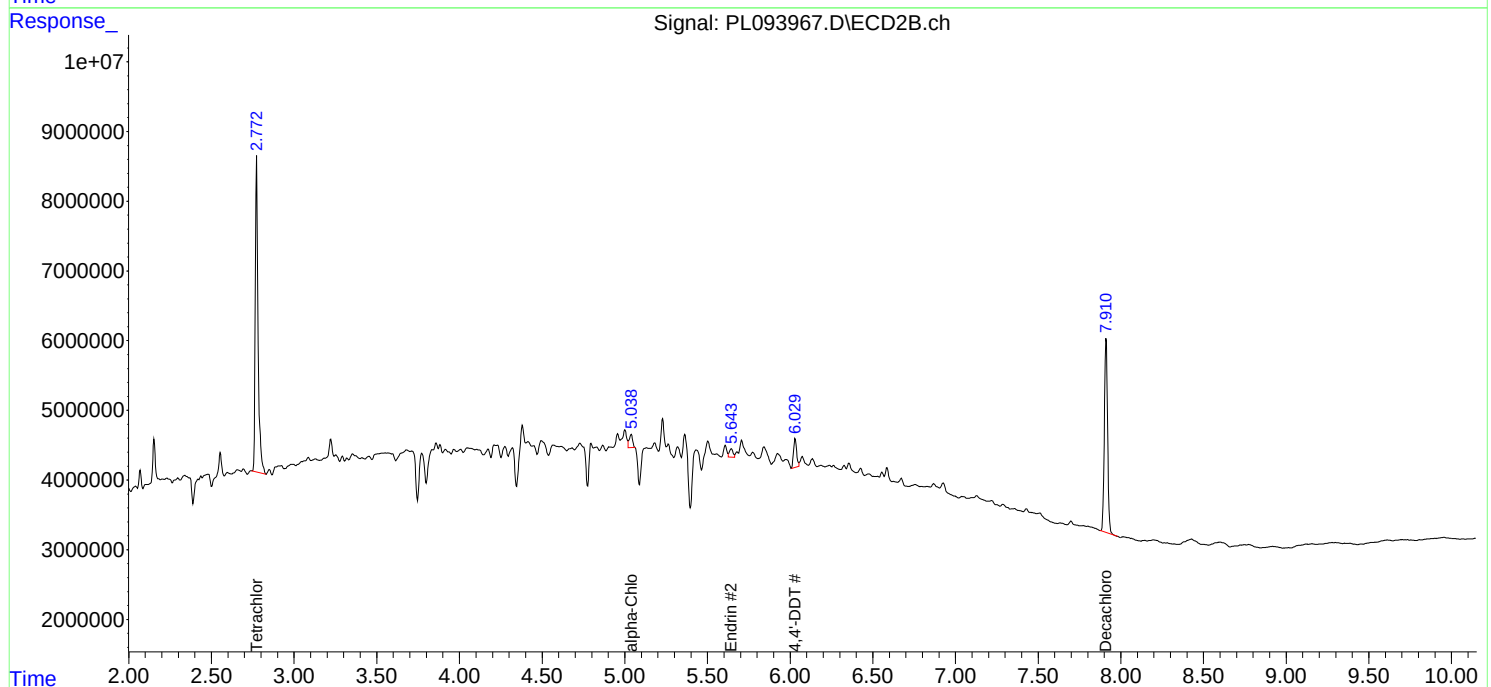
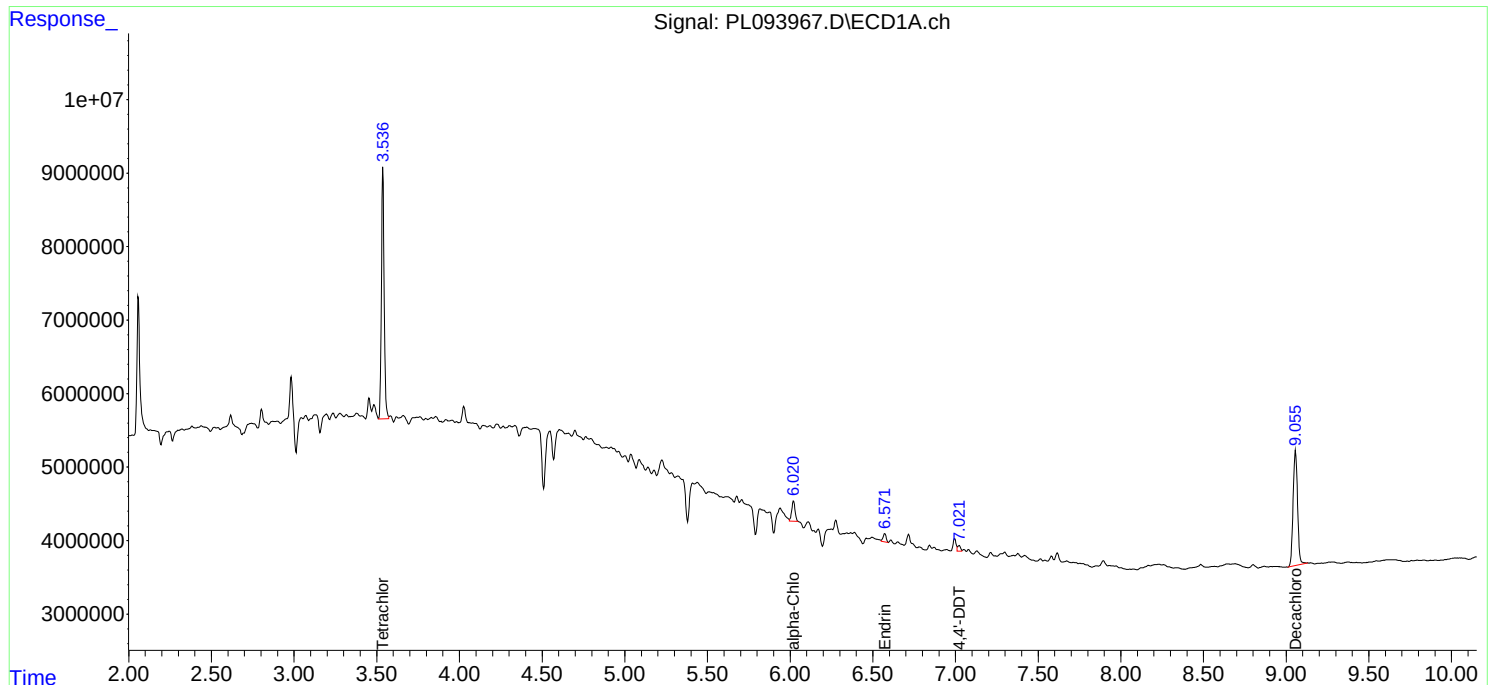
## APPROVED

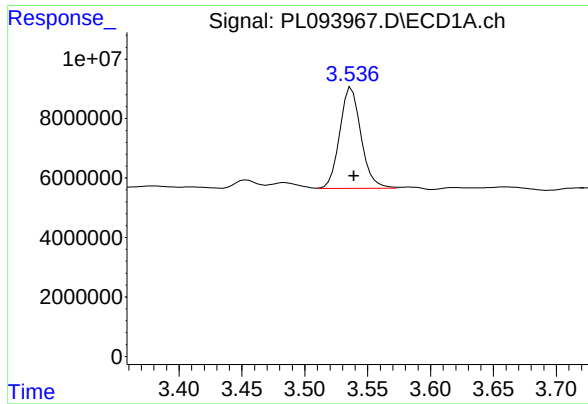
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:36:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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





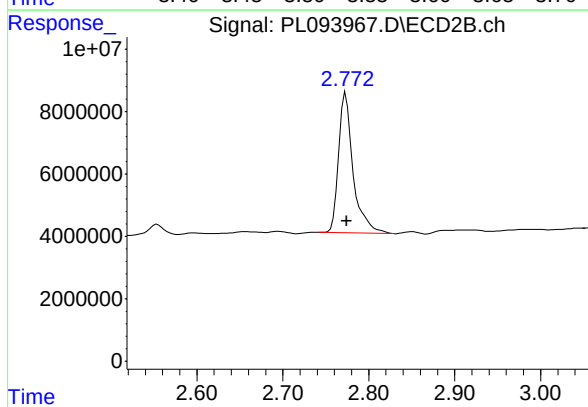
#1 Tetrachloro-m-xylene

R.T.: 3.536 min  
Delta R.T.: -0.003 min  
Response: 39867664  
Conc: 14.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
JPP-6.2-013025

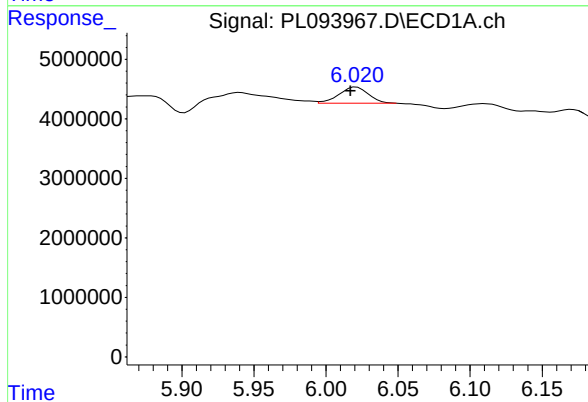
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



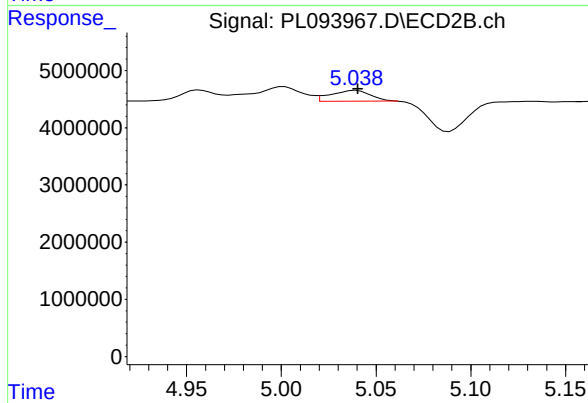
#1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: -0.001 min  
Response: 52633131  
Conc: 16.12 ng/ml



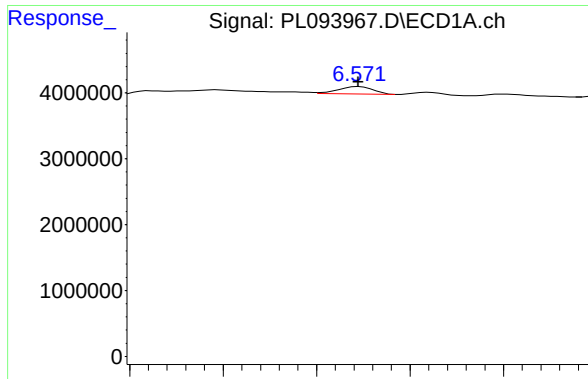
#11 alpha-Chlordane

R.T.: 6.020 min  
Delta R.T.: 0.002 min  
Response: 3823669  
Conc: 1.37 ng/ml m



#11 alpha-Chlordane

R.T.: 5.038 min  
Delta R.T.: -0.002 min  
Response: 2667603  
Conc: 0.64 ng/ml m



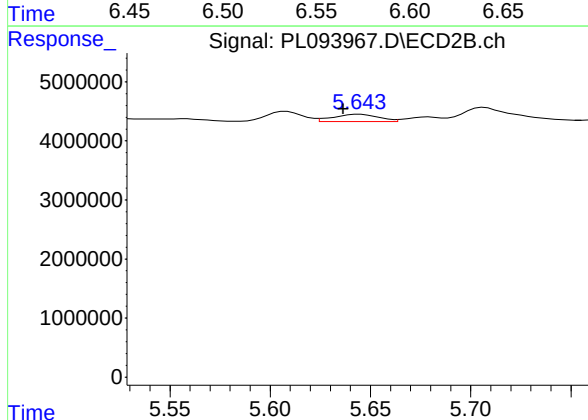
#14 Endrin

R.T.: 6.571 min  
Delta R.T.: -0.001 min  
Response: 1423218  
Conc: 0.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
JPP-6.2-013025

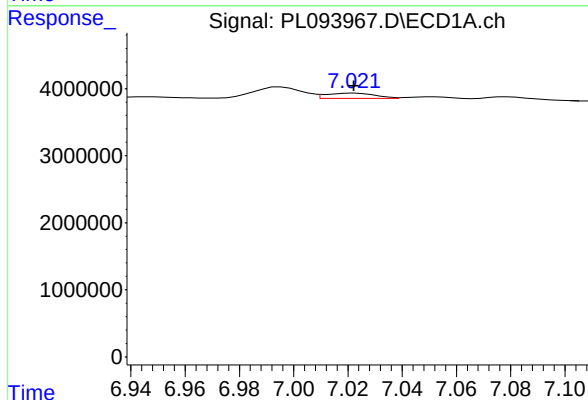
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



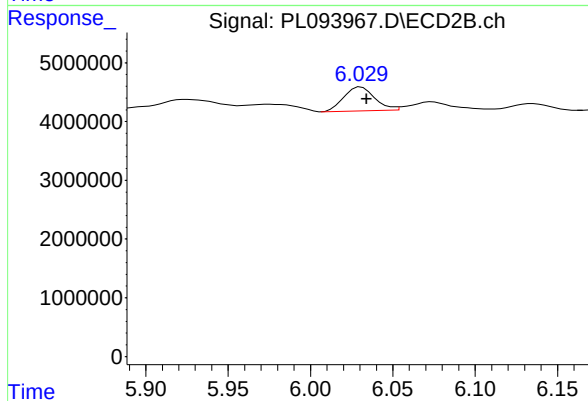
#14 Endrin

R.T.: 5.643 min  
Delta R.T.: 0.007 min  
Response: 1923118  
Conc: 0.52 ng/ml



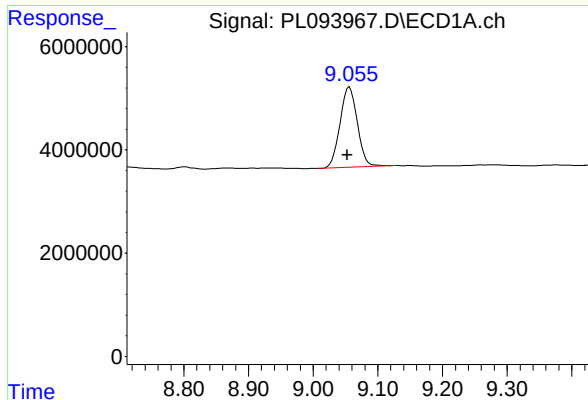
#17 4,4'-DDT

R.T.: 7.021 min  
Delta R.T.: 0.000 min  
Response: 989108  
Conc: 0.50 ng/ml



#17 4,4'-DDT

R.T.: 6.029 min  
Delta R.T.: -0.005 min  
Response: 5321050  
Conc: 1.64 ng/ml



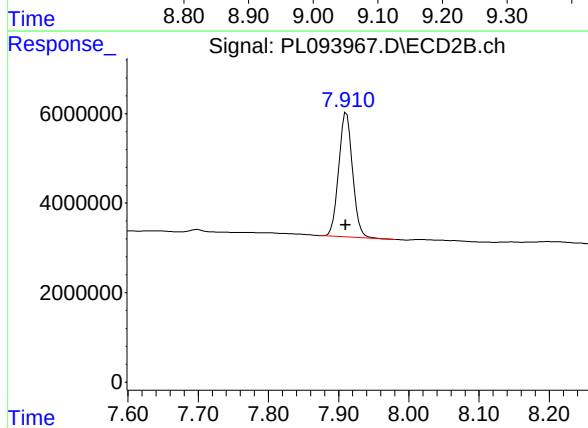
#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.003 min  
Response: 29111823  
Conc: 13.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
JPP-6.2-013025

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.001 min  
Response: 37815028  
Conc: 10.79 ng/ml



# CALIBRATION SUMMARY

|    |
|----|
| 1  |
| 2  |
| 3  |
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| 19 |

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** RUTW01  
**Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242  
**Instrument ID:** ECD\_L **Calibration Date(s):** 01/21/2025 01/21/2025  
**Calibration Times:** 10:57 11:51

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

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 100 =</b> <u>PL093728.D</u> | <b>RT 075 =</b> <u>PL093729.D</u> |
| <b>RT 050 =</b> <u>PL093730.D</u> | <b>RT 025 =</b> <u>PL093731.D</u> | <b>RT 005 =</b> <u>PL093732.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 6.71   | 6.71   | 6.71   | 6.71   | 6.71   | 6.71       | 6.61      | 6.81 |
| 4,4'-DDE             | 6.19   | 6.19   | 6.19   | 6.19   | 6.19   | 6.19       | 6.09      | 6.29 |
| 4,4'-DDT             | 7.02   | 7.02   | 7.02   | 7.02   | 7.02   | 7.02       | 6.92      | 7.12 |
| Aldrin               | 5.26   | 5.26   | 5.26   | 5.26   | 5.26   | 5.26       | 5.16      | 5.36 |
| alpha-BHC            | 4.00   | 4.00   | 4.00   | 4.00   | 3.99   | 3.99       | 3.89      | 4.09 |
| alpha-Chlordane      | 6.02   | 6.02   | 6.02   | 6.02   | 6.02   | 6.02       | 5.92      | 6.12 |
| beta-BHC             | 4.53   | 4.53   | 4.53   | 4.53   | 4.53   | 4.53       | 4.43      | 4.63 |
| Decachlorobiphenyl   | 9.05   | 9.05   | 9.05   | 9.05   | 9.05   | 9.05       | 8.95      | 9.15 |
| delta-BHC            | 4.77   | 4.77   | 4.77   | 4.77   | 4.77   | 4.77       | 4.67      | 4.87 |
| Dieldrin             | 6.34   | 6.34   | 6.34   | 6.34   | 6.34   | 6.34       | 6.24      | 6.44 |
| Endosulfan I         | 6.07   | 6.07   | 6.07   | 6.07   | 6.07   | 6.07       | 5.97      | 6.17 |
| Endosulfan II        | 6.79   | 6.79   | 6.79   | 6.79   | 6.79   | 6.79       | 6.69      | 6.89 |
| Endosulfan sulfate   | 7.16   | 7.16   | 7.16   | 7.16   | 7.16   | 7.16       | 7.06      | 7.26 |
| Endrin               | 6.57   | 6.57   | 6.57   | 6.57   | 6.57   | 6.57       | 6.47      | 6.67 |
| Endrin aldehyde      | 6.92   | 6.92   | 6.92   | 6.92   | 6.92   | 6.92       | 6.82      | 7.02 |
| Endrin ketone        | 7.64   | 7.64   | 7.64   | 7.64   | 7.64   | 7.64       | 7.54      | 7.74 |
| gamma-BHC (Lindane)  | 4.33   | 4.33   | 4.33   | 4.33   | 4.33   | 4.33       | 4.23      | 4.43 |
| gamma-Chlordane      | 5.94   | 5.94   | 5.94   | 5.94   | 5.94   | 5.94       | 5.84      | 6.04 |
| Heptachlor           | 4.92   | 4.92   | 4.91   | 4.91   | 4.91   | 4.91       | 4.81      | 5.01 |
| Heptachlor epoxide   | 5.68   | 5.68   | 5.68   | 5.68   | 5.68   | 5.68       | 5.58      | 5.78 |
| Methoxychlor         | 7.50   | 7.50   | 7.50   | 7.50   | 7.50   | 7.50       | 7.40      | 7.60 |
| Tetrachloro-m-xylene | 3.54   | 3.54   | 3.54   | 3.54   | 3.54   | 3.54       | 3.44      | 3.64 |



## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** RUTW01  
**Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242  
**Instrument ID:** ECD\_L **Calibration Date(s):** 01/21/2025 01/21/2025  
**Calibration Times:** 10:57 11:51

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

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 100 =</b> <u>PL093728.D</u> | <b>RT 075 =</b> <u>PL093729.D</u> |
| <b>RT 050 =</b> <u>PL093730.D</u> | <b>RT 025 =</b> <u>PL093731.D</u> | <b>RT 005 =</b> <u>PL093732.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 5.79   | 5.78   | 5.78   | 5.78   | 5.78   | 5.78       | 5.68      | 5.88 |
| 4,4'-DDE             | 5.23   | 5.23   | 5.23   | 5.23   | 5.23   | 5.23       | 5.13      | 5.33 |
| 4,4'-DDT             | 6.04   | 6.03   | 6.03   | 6.03   | 6.03   | 6.03       | 5.93      | 6.13 |
| Aldrin               | 4.23   | 4.23   | 4.23   | 4.22   | 4.22   | 4.22       | 4.12      | 4.32 |
| alpha-BHC            | 3.28   | 3.28   | 3.28   | 3.28   | 3.28   | 3.28       | 3.18      | 3.38 |
| alpha-Chlordane      | 5.04   | 5.04   | 5.04   | 5.04   | 5.04   | 5.04       | 4.94      | 5.14 |
| beta-BHC             | 3.91   | 3.91   | 3.91   | 3.91   | 3.91   | 3.91       | 3.81      | 4.01 |
| Decachlorobiphenyl   | 7.91   | 7.91   | 7.91   | 7.91   | 7.91   | 7.91       | 7.81      | 8.01 |
| delta-BHC            | 4.14   | 4.14   | 4.14   | 4.14   | 4.13   | 4.14       | 4.04      | 4.24 |
| Dieldrin             | 5.36   | 5.36   | 5.36   | 5.36   | 5.36   | 5.36       | 5.26      | 5.46 |
| Endosulfan I         | 5.10   | 5.10   | 5.10   | 5.10   | 5.10   | 5.10       | 5.00      | 5.20 |
| Endosulfan II        | 5.93   | 5.93   | 5.93   | 5.93   | 5.93   | 5.93       | 5.83      | 6.03 |
| Endosulfan sulfate   | 6.33   | 6.33   | 6.33   | 6.33   | 6.33   | 6.33       | 6.23      | 6.43 |
| Endrin               | 5.64   | 5.64   | 5.64   | 5.64   | 5.64   | 5.64       | 5.54      | 5.74 |
| Endrin aldehyde      | 6.11   | 6.11   | 6.11   | 6.11   | 6.11   | 6.11       | 6.01      | 6.21 |
| Endrin ketone        | 6.84   | 6.84   | 6.84   | 6.84   | 6.84   | 6.84       | 6.74      | 6.94 |
| gamma-BHC (Lindane)  | 3.61   | 3.61   | 3.61   | 3.61   | 3.61   | 3.61       | 3.51      | 3.71 |
| gamma-Chlordane      | 4.98   | 4.98   | 4.98   | 4.98   | 4.98   | 4.98       | 4.88      | 5.08 |
| Heptachlor           | 3.95   | 3.95   | 3.95   | 3.95   | 3.94   | 3.94       | 3.84      | 4.04 |
| Heptachlor epoxide   | 4.73   | 4.73   | 4.73   | 4.73   | 4.73   | 4.73       | 4.63      | 4.83 |
| Methoxychlor         | 6.61   | 6.61   | 6.61   | 6.61   | 6.61   | 6.61       | 6.51      | 6.71 |
| Tetrachloro-m-xylene | 2.78   | 2.77   | 2.77   | 2.77   | 2.77   | 2.77       | 2.67      | 2.87 |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** RUTW01  
**Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242  
**Instrument ID:** ECD\_L  
**Calibration Date(s):** 01/21/2025 01/21/2025  
**Calibration Times:** 10:57 11:51

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

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL093728.D</u> |            | <b>CF 075 =</b> <u>PL093729.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL093730.D</u> |            | <b>CF 025 =</b> <u>PL093731.D</u> |            | <b>CF 005 =</b> <u>PL093732.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 1660930000 | 1679650000                        | 1932670000 | 1802720000                        | 2426830000 | 1900560000 | 17    |
| 4,4'-DDE                          | 2179870000 | 2169930000                        | 2489080000 | 2321590000                        | 3012520000 | 2434600000 | 14    |
| 4,4'-DDT                          | 1755570000 | 1766710000                        | 2016720000 | 1907120000                        | 2414170000 | 1972060000 | 14    |
| Aldrin                            | 2924220000 | 2896750000                        | 3292630000 | 3099660000                        | 4146570000 | 3271970000 | 16    |
| alpha-BHC                         | 3537700000 | 3490280000                        | 3918110000 | 3562830000                        | 4660310000 | 3833850000 | 13    |
| alpha-Chlordane                   | 2458070000 | 2458490000                        | 2788200000 | 2666580000                        | 3570690000 | 2788400000 | 16    |
| beta-BHC                          | 1393460000 | 1394440000                        | 1618290000 | 1508890000                        | 2121530000 | 1607320000 | 19    |
| Decachlorobiphenyl                | 1768480000 | 1816480000                        | 2098320000 | 2018470000                        | 2757820000 | 2091910000 | 19    |
| delta-BHC                         | 3233860000 | 3194550000                        | 3605880000 | 3303370000                        | 4188780000 | 3505290000 | 12    |
| Dieldrin                          | 2456580000 | 2440810000                        | 2788190000 | 2639340000                        | 3554340000 | 2775850000 | 17    |
| Endosulfan I                      | 2304400000 | 2298550000                        | 2637060000 | 2528610000                        | 3445650000 | 2642860000 | 18    |
| Endosulfan II                     | 2084130000 | 2100600000                        | 2413950000 | 2287820000                        | 3160260000 | 2409350000 | 18    |
| Endosulfan sulfate                | 1923100000 | 1945070000                        | 2248580000 | 2190510000                        | 3011450000 | 2263740000 | 20    |
| Endrin                            | 2079430000 | 2060990000                        | 2363220000 | 2218560000                        | 3001890000 | 2344820000 | 17    |
| Endrin aldehyde                   | 1673120000 | 1696040000                        | 1958970000 | 1896570000                        | 2495580000 | 1944060000 | 17    |
| Endrin ketone                     | 2196850000 | 2205550000                        | 2539700000 | 2413910000                        | 3257130000 | 2522630000 | 17    |
| gamma-BHC (Lindane)               | 3375960000 | 3339350000                        | 3767250000 | 3460830000                        | 4470850000 | 3682850000 | 13    |
| gamma-Chlordane                   | 2455830000 | 2471830000                        | 2815630000 | 2678390000                        | 3515170000 | 2787370000 | 16    |
| Heptachlor                        | 2922500000 | 2901690000                        | 3325290000 | 3144100000                        | 4093120000 | 3277340000 | 15    |
| Heptachlor epoxide                | 2568680000 | 2575960000                        | 2953630000 | 2835830000                        | 3935020000 | 2973820000 | 19    |
| Methoxychlor                      | 907284000  | 922109000                         | 1080370000 | 1020090000                        | 1287130000 | 1043400000 | 15    |
| Tetrachloro-m-xylene              | 2397870000 | 2402980000                        | 2740040000 | 2595500000                        | 3327420000 | 2692760000 | 14    |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** RUTW01  
**Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242  
**Instrument ID:** ECD\_L  
**Calibration Date(s):** 01/21/2025 01/21/2025  
**Calibration Times:** 10:57 11:51

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

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL093728.D</u> |            | <b>CF 075 =</b> <u>PL093729.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL093730.D</u> |            | <b>CF 025 =</b> <u>PL093731.D</u> |            | <b>CF 005 =</b> <u>PL093732.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 3134000000 | 3054730000                        | 3379160000 | 2910470000                        | 3304320000 | 3156540000 | 6     |
| 4,4'-DDE                          | 3891920000 | 3807640000                        | 4253650000 | 3749010000                        | 4345130000 | 4009470000 | 7     |
| 4,4'-DDT                          | 3270010000 | 3177800000                        | 3542860000 | 3046890000                        | 3232670000 | 3254050000 | 6     |
| Aldrin                            | 4482990000 | 4370810000                        | 4856520000 | 4222470000                        | 4876190000 | 4561800000 | 6     |
| alpha-BHC                         | 4914190000 | 4768640000                        | 5271080000 | 4480730000                        | 5010260000 | 4888980000 | 6     |
| alpha-Chlordane                   | 4056970000 | 3962110000                        | 4424110000 | 3914810000                        | 4574820000 | 4186560000 | 7     |
| beta-BHC                          | 1863440000 | 1842720000                        | 2072180000 | 1889740000                        | 2319100000 | 1997440000 | 10    |
| Decachlorobiphenyl                | 3226690000 | 3193800000                        | 3627020000 | 3320620000                        | 4152210000 | 3504070000 | 11    |
| delta-BHC                         | 4741230000 | 4607910000                        | 5098810000 | 4368820000                        | 4939430000 | 4751240000 | 6     |
| Dieldrin                          | 4189300000 | 4076770000                        | 4553570000 | 3958830000                        | 4699760000 | 4295650000 | 7     |
| Endosulfan I                      | 3734100000 | 3661580000                        | 4099030000 | 3635320000                        | 4254550000 | 3876920000 | 7     |
| Endosulfan II                     | 3553260000 | 3487640000                        | 3912960000 | 3484510000                        | 4080760000 | 3703830000 | 7     |
| Endosulfan sulfate                | 3408630000 | 3353240000                        | 3757030000 | 3348270000                        | 3963240000 | 3566080000 | 8     |
| Endrin                            | 3607760000 | 3481170000                        | 3870730000 | 3406140000                        | 4097610000 | 3692680000 | 8     |
| Endrin aldehyde                   | 2861460000 | 2820180000                        | 3183430000 | 2892290000                        | 3465840000 | 3044640000 | 9     |
| Endrin ketone                     | 3965120000 | 3881890000                        | 4400080000 | 3907370000                        | 4821740000 | 4195240000 | 10    |
| gamma-BHC (Lindane)               | 4713370000 | 4597010000                        | 5084610000 | 4384810000                        | 4926270000 | 4741210000 | 6     |
| gamma-Chlordane                   | 4137240000 | 4016860000                        | 4483010000 | 3935490000                        | 4615500000 | 4237620000 | 7     |
| Heptachlor                        | 4505180000 | 4413750000                        | 4924840000 | 4345980000                        | 5084220000 | 4654790000 | 7     |
| Heptachlor epoxide                | 4026840000 | 3946880000                        | 4424170000 | 3927960000                        | 4575440000 | 4180260000 | 7     |
| Methoxychlor                      | 1651870000 | 1634200000                        | 1870410000 | 1643810000                        | 2140390000 | 1788140000 | 12    |
| Tetrachloro-m-xylene              | 3101220000 | 3058550000                        | 3437230000 | 3066200000                        | 3657590000 | 3264160000 | 8     |



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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Instrument ID: ECD\_L Date(s) Analyzed: 01/21/2025 01/21/2025

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

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 6.24 | 6.14      | 6.34 | 23446000              |
|           |                | 2    | 6.44 | 6.34      | 6.54 | 14767200              |
|           |                | 3    | 7.06 | 6.96      | 7.16 | 75896000              |
|           |                | 4    | 7.15 | 7.05      | 7.25 | 57345100              |
|           |                | 5    | 7.93 | 7.83      | 8.03 | 43067100              |



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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Instrument ID: ECD\_L Date(s) Analyzed: 01/21/2025 01/21/2025

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

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.00 | 4.90      | 5.10 | 27057100              |
|           |                | 2    | 5.33 | 5.23      | 5.43 | 23947200              |
|           |                | 3    | 5.68 | 5.58      | 5.78 | 24726400              |
|           |                | 4    | 6.60 | 6.50      | 6.70 | 84987200              |
|           |                | 5    | 7.04 | 6.94      | 7.14 | 80238300              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093728.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 10:57  
 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: Jan 21 13:55:29 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 13:52:59 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...          | 3.539 | 2.775 | 239.8E6  | 310.1E6 | 93.340 | 94.861 |
| 28) SA Decachlor...         | 9.052 | 7.910 | 176.8E6  | 322.7E6 | 91.470 | 94.159 |
| Target Compounds            |       |       |          |         |        |        |
| 2) A alpha-BHC              | 3.995 | 3.277 | 353.8E6  | 491.4E6 | 94.898 | 96.496 |
| 3) MA gamma-BHC...          | 4.328 | 3.607 | 337.6E6  | 471.3E6 | 94.522 | 96.211 |
| 4) MA Heptachlor            | 4.915 | 3.946 | 292.3E6  | 450.5E6 | 93.553 | 95.550 |
| 5) MB Aldrin                | 5.257 | 4.225 | 292.4E6  | 448.3E6 | 94.074 | 96.001 |
| 6) B beta-BHC               | 4.526 | 3.907 | 139.3E6  | 186.3E6 | 92.535 | 94.696 |
| 7) B delta-BHC              | 4.773 | 4.136 | 323.4E6  | 474.1E6 | 94.561 | 96.366 |
| 8) B Heptachlo...           | 5.683 | 4.727 | 256.9E6  | 402.7E6 | 93.029 | 95.298 |
| 9) A Endosulfan I           | 6.069 | 5.097 | 230.4E6  | 373.4E6 | 93.268 | 95.341 |
| 10) B gamma-Chl...          | 5.940 | 4.977 | 245.6E6  | 413.7E6 | 93.175 | 95.989 |
| 11) B alpha-Chl...          | 6.018 | 5.041 | 245.8E6  | 405.7E6 | 93.707 | 95.671 |
| 12) B 4,4'-DDE              | 6.192 | 5.230 | 218.0E6  | 389.2E6 | 93.377 | 95.559 |
| 13) MA Dieldrin             | 6.344 | 5.361 | 245.7E6  | 418.9E6 | 93.677 | 95.834 |
| 14) MA Endrin               | 6.573 | 5.636 | 207.9E6  | 360.8E6 | 93.612 | 96.484 |
| 15) B Endosulfa...          | 6.793 | 5.932 | 208.4E6  | 355.3E6 | 92.668 | 95.182 |
| 16) A 4,4'-DDD              | 6.710 | 5.785 | 166.1E6  | 313.4E6 | 92.438 | 96.236 |
| 17) MA 4,4'-DDT             | 7.023 | 6.035 | 175.6E6  | 327.0E6 | 93.077 | 95.995 |
| 18) B Endrin al...          | 6.924 | 6.110 | 167.3E6  | 286.1E6 | 92.130 | 94.674 |
| 19) B Endosulfa...          | 7.158 | 6.333 | 192.3E6  | 340.9E6 | 92.198 | 95.138 |
| 20) A Methoxychlor          | 7.499 | 6.609 | 90728367 | 165.2E6 | 91.292 | 93.795 |
| 21) B Endrin ke...          | 7.643 | 6.838 | 219.7E6  | 396.5E6 | 92.761 | 94.800 |
| 22) Mirex                   | 8.115 | 7.018 | 175.3E6  | 309.9E6 | 91.817 | 94.309 |
| -----                       |       |       |          |         |        |        |

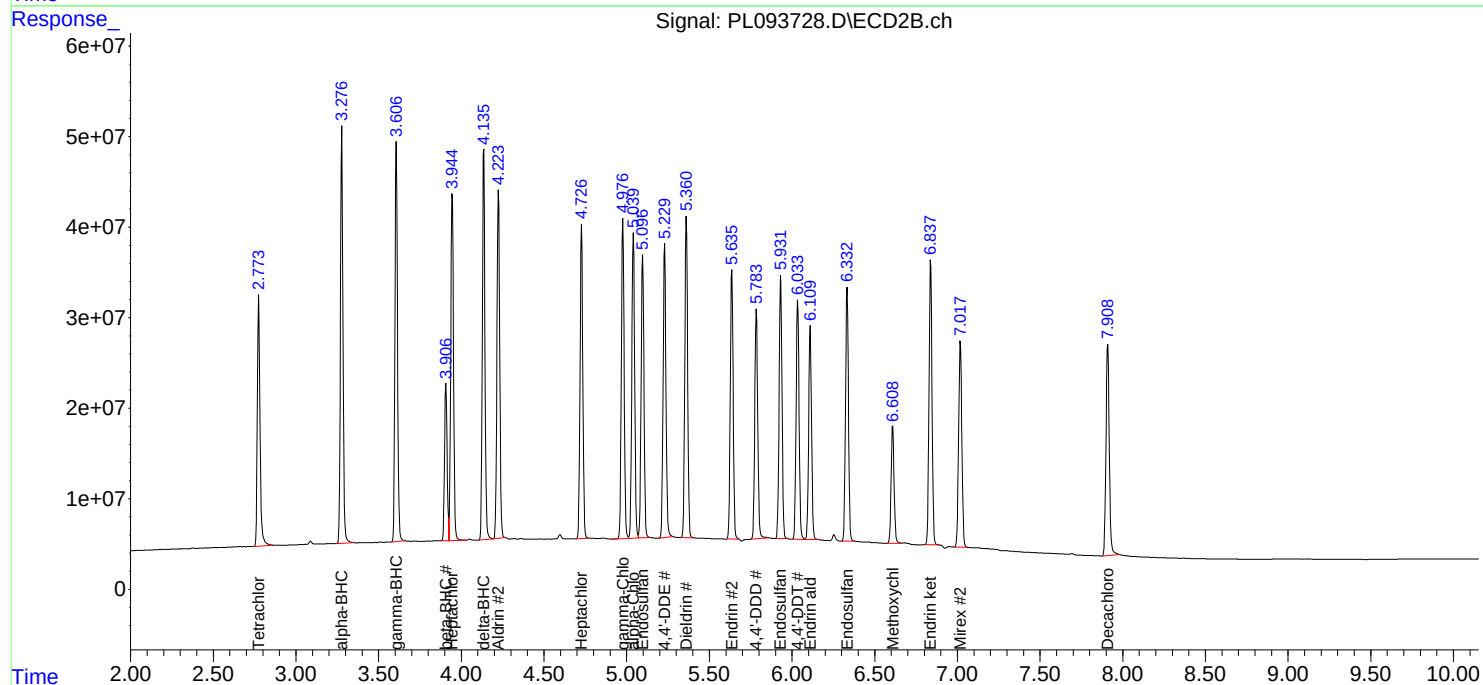
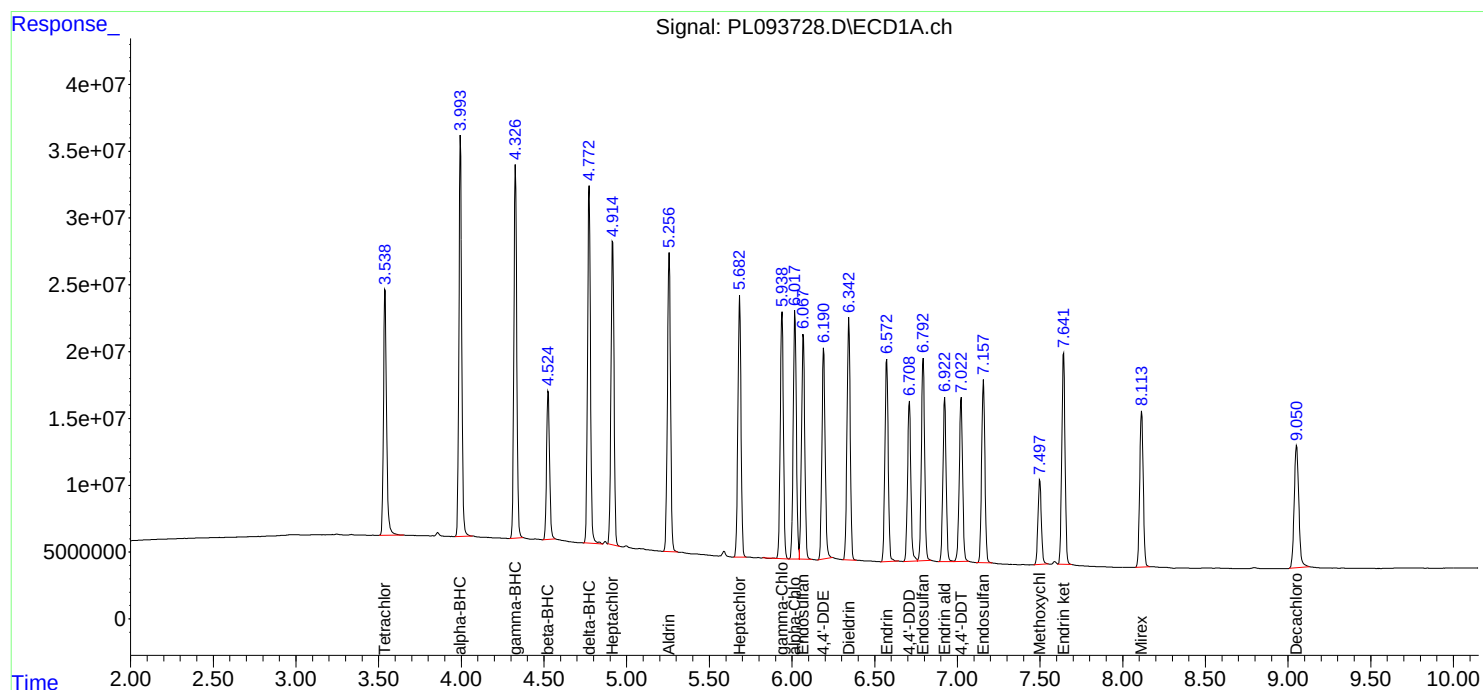
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

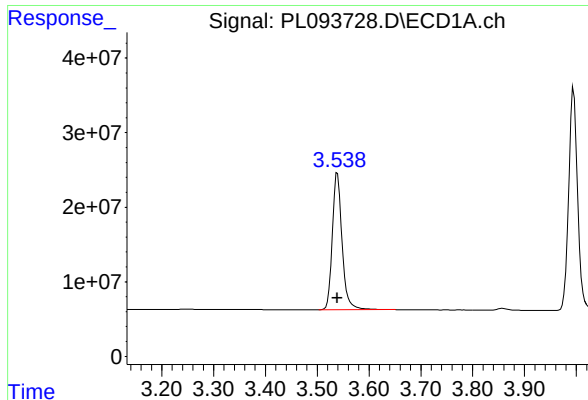
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093728.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 10:57  
Operator : AR\AJ  
Sample : PSTDICC100  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 13:55:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 13:52:59 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

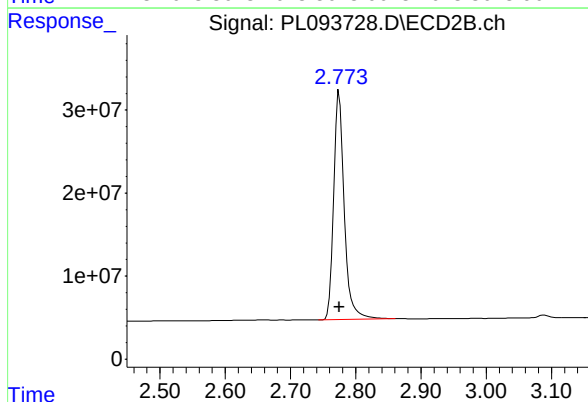




#1 Tetrachloro-m-xylene

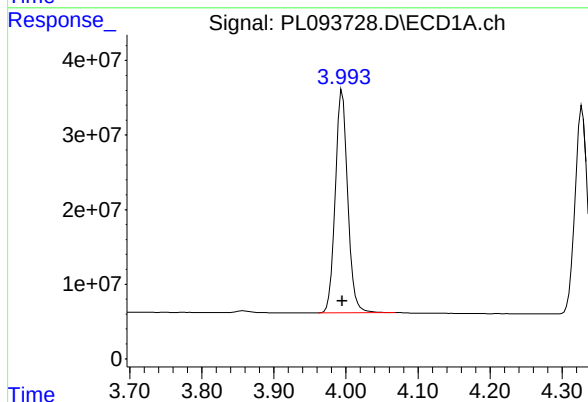
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 239787086  
Conc: 93.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



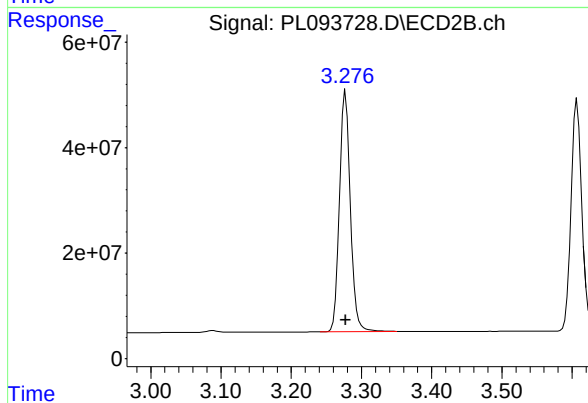
#1 Tetrachloro-m-xylene

R.T.: 2.775 min  
Delta R.T.: 0.000 min  
Response: 310121914  
Conc: 94.86 ng/ml



#2 alpha-BHC

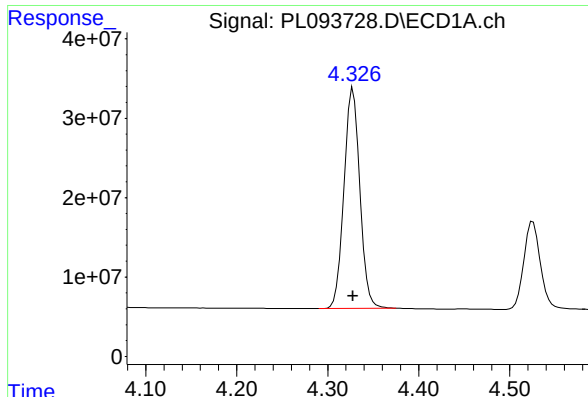
R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 353769763  
Conc: 94.90 ng/ml



#2 alpha-BHC

R.T.: 3.277 min  
Delta R.T.: 0.000 min  
Response: 491419278  
Conc: 96.50 ng/ml

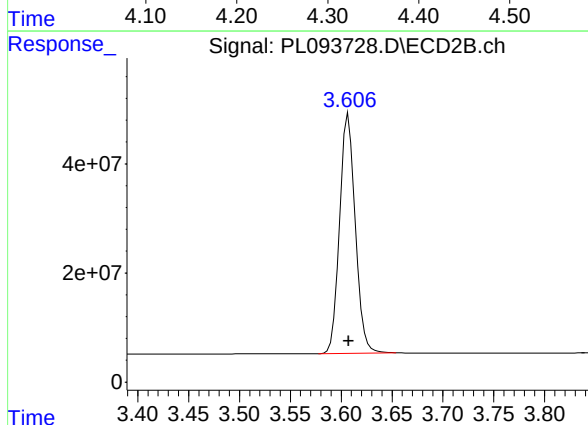




#3 gamma-BHC (Lindane)

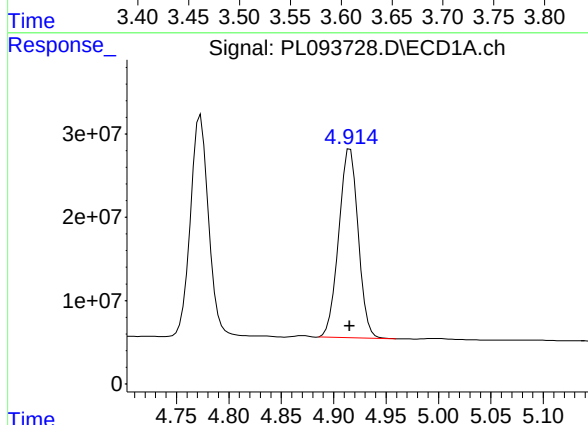
R.T.: 4.328 min  
Delta R.T.: 0.000 min  
Response: 337596128  
Conc: 94.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



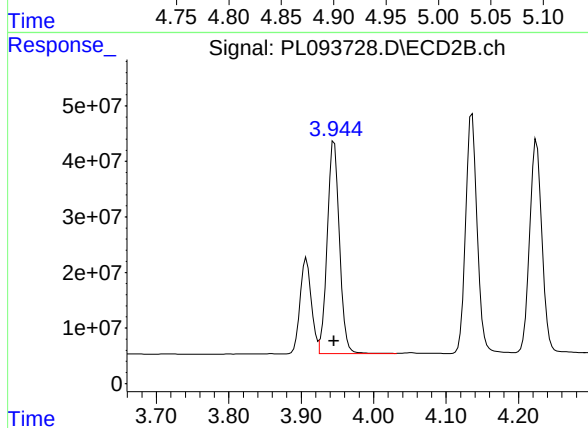
#3 gamma-BHC (Lindane)

R.T.: 3.607 min  
Delta R.T.: 0.000 min  
Response: 471337352  
Conc: 96.21 ng/ml



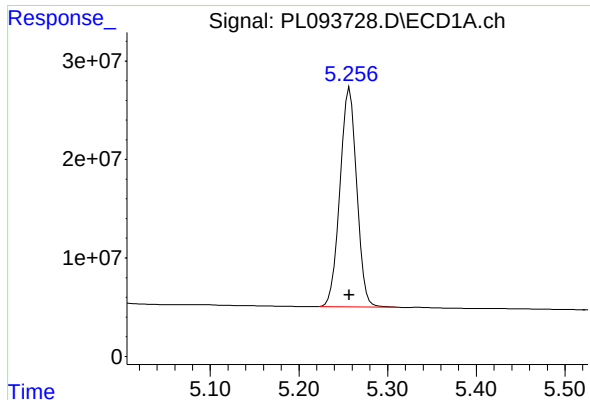
#4 Heptachlor

R.T.: 4.915 min  
Delta R.T.: 0.000 min  
Response: 292250336  
Conc: 93.55 ng/ml



#4 Heptachlor

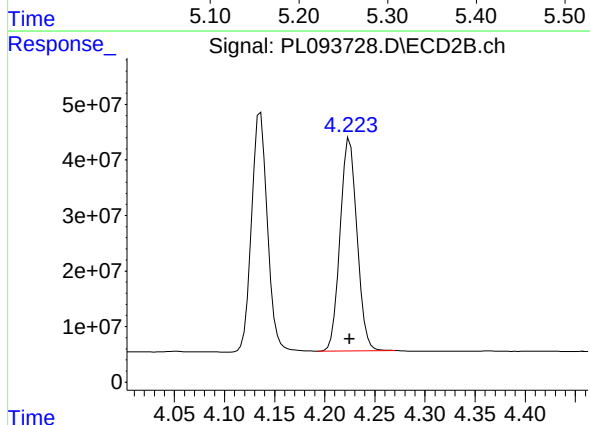
R.T.: 3.946 min  
Delta R.T.: 0.000 min  
Response: 450517764  
Conc: 95.55 ng/ml



#5 Aldrin

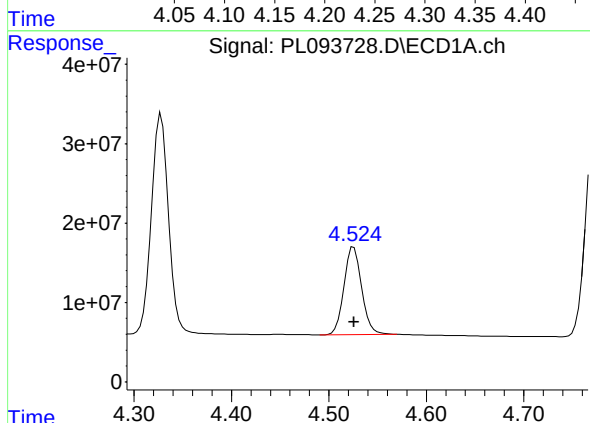
R.T.: 5.257 min  
Delta R.T.: 0.000 min  
Response: 292421818  
Conc: 94.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



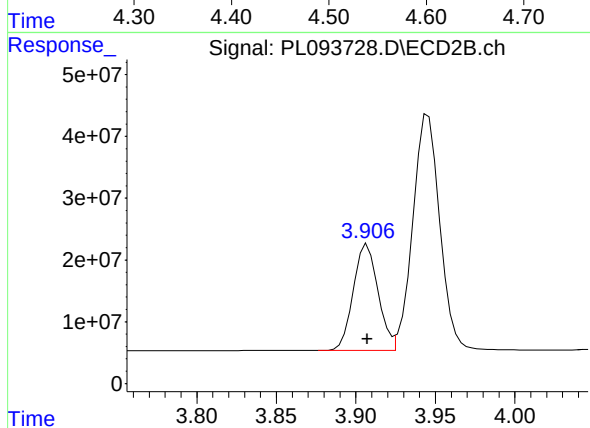
#5 Aldrin

R.T.: 4.225 min  
Delta R.T.: 0.000 min  
Response: 448299060  
Conc: 96.00 ng/ml



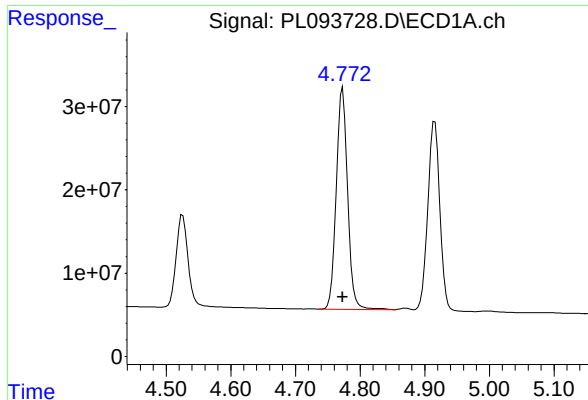
#6 beta-BHC

R.T.: 4.526 min  
Delta R.T.: 0.000 min  
Response: 139346436  
Conc: 92.54 ng/ml



#6 beta-BHC

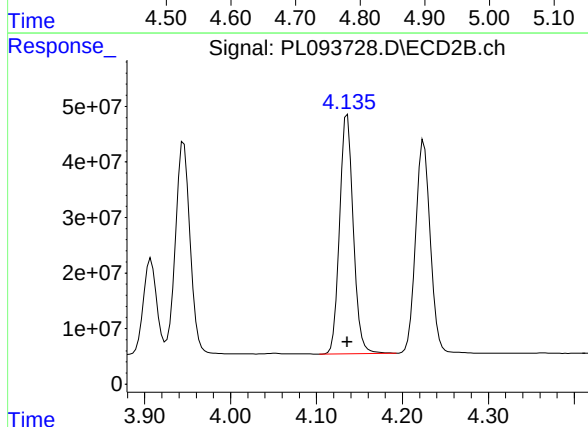
R.T.: 3.907 min  
Delta R.T.: 0.000 min  
Response: 186343878  
Conc: 94.70 ng/ml



#7 delta-BHC

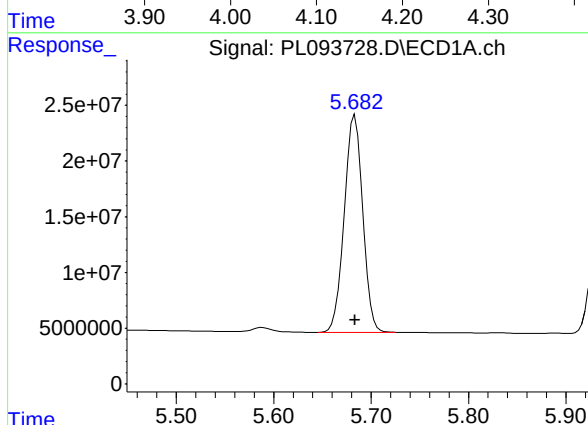
R.T.: 4.773 min  
Delta R.T.: 0.000 min  
Response: 323385715  
Conc: 94.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



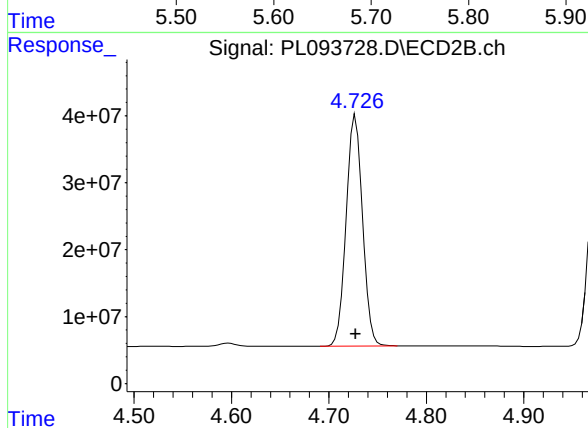
#7 delta-BHC

R.T.: 4.136 min  
Delta R.T.: 0.000 min  
Response: 474122692  
Conc: 96.37 ng/ml



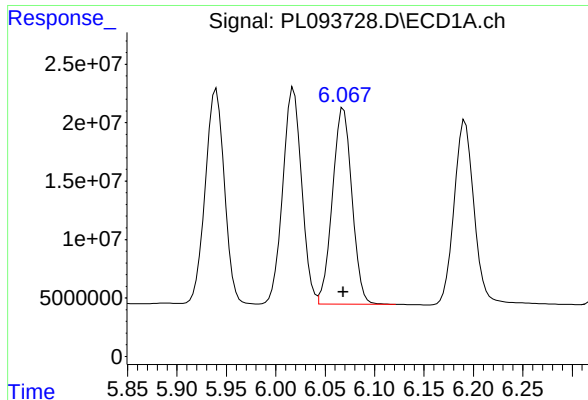
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 256867626  
Conc: 93.03 ng/ml



#8 Heptachlor epoxide

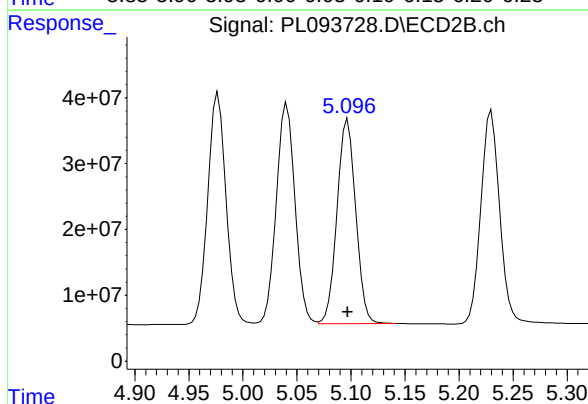
R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 402684225  
Conc: 95.30 ng/ml



#9 Endosulfan I

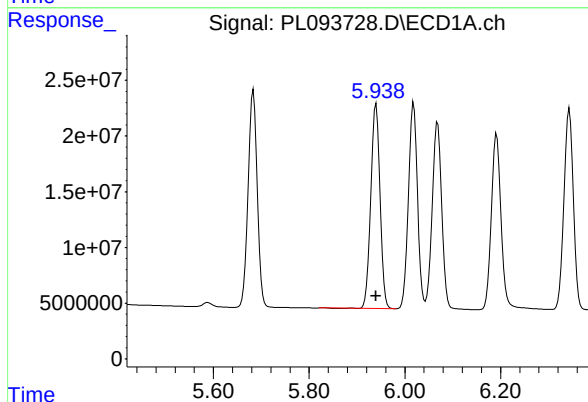
R.T.: 6.069 min  
Delta R.T.: 0.000 min  
Response: 230440433  
Conc: 93.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



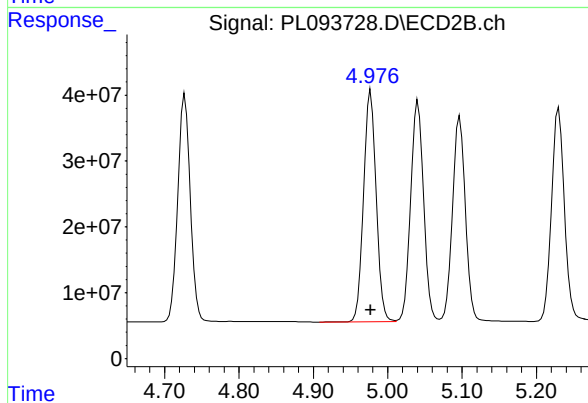
#9 Endosulfan I

R.T.: 5.097 min  
Delta R.T.: 0.000 min  
Response: 373410327  
Conc: 95.34 ng/ml



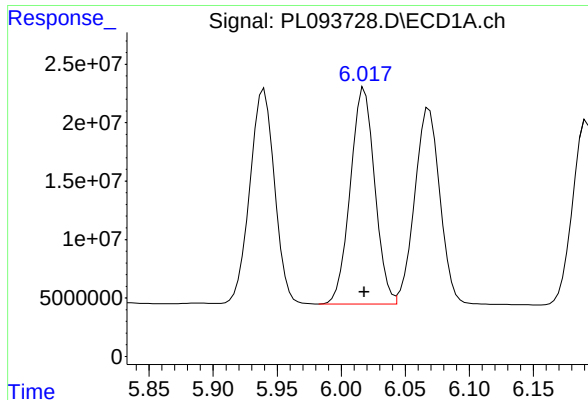
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 245583159  
Conc: 93.17 ng/ml



#10 gamma-Chlordane

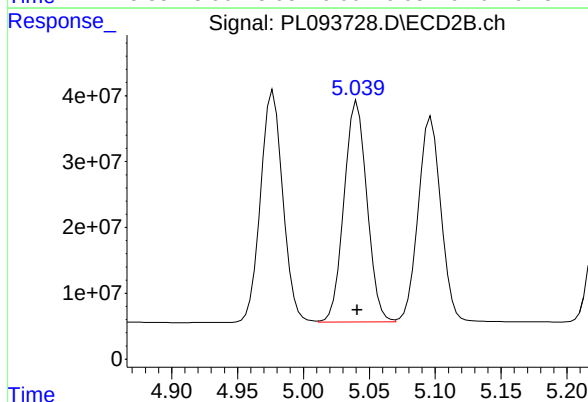
R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 413724271  
Conc: 95.99 ng/ml



#11 alpha-Chlordane

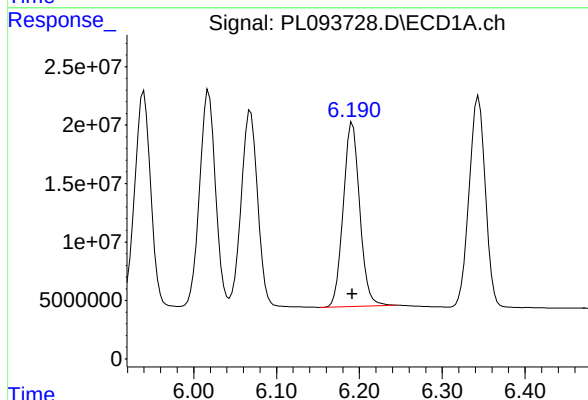
R.T.: 6.018 min  
Delta R.T.: 0.000 min  
Response: 245806926  
Conc: 93.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



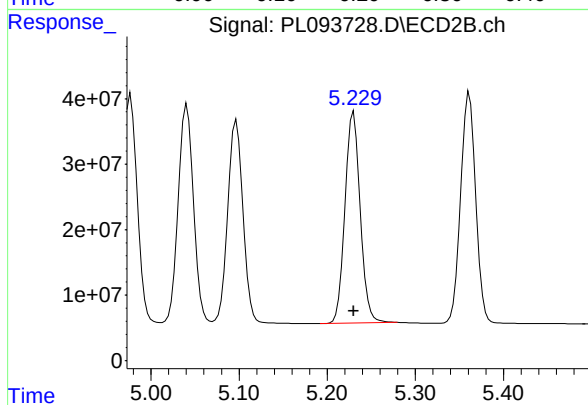
#11 alpha-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 405697093  
Conc: 95.67 ng/ml



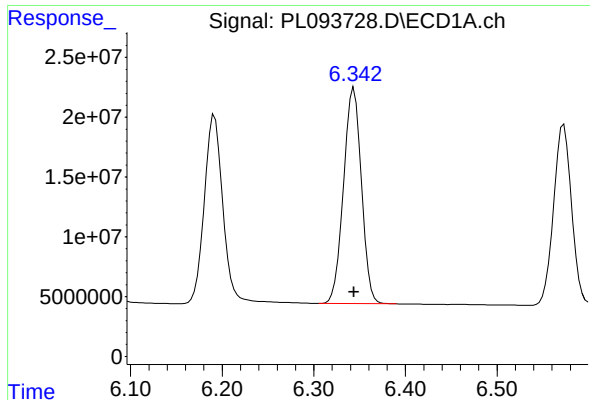
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 217987126  
Conc: 93.38 ng/ml



#12 4,4'-DDE

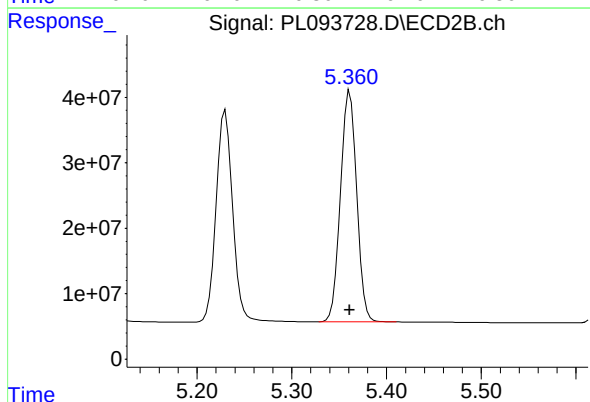
R.T.: 5.230 min  
Delta R.T.: 0.000 min  
Response: 389192028  
Conc: 95.56 ng/ml



#13 Dieldrin

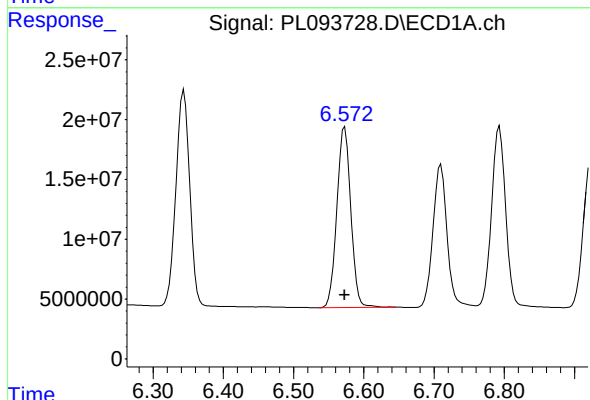
R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 245657863  
Conc: 93.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



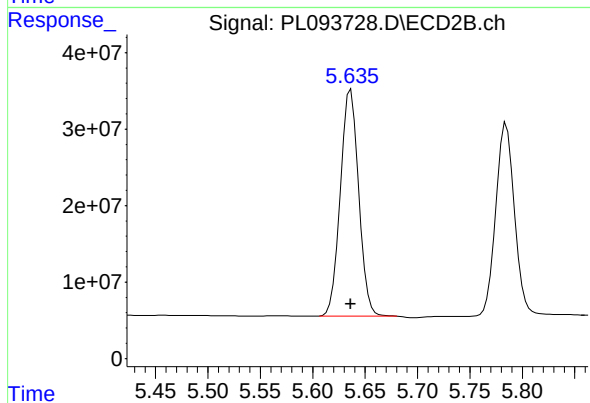
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 418929941  
Conc: 95.83 ng/ml



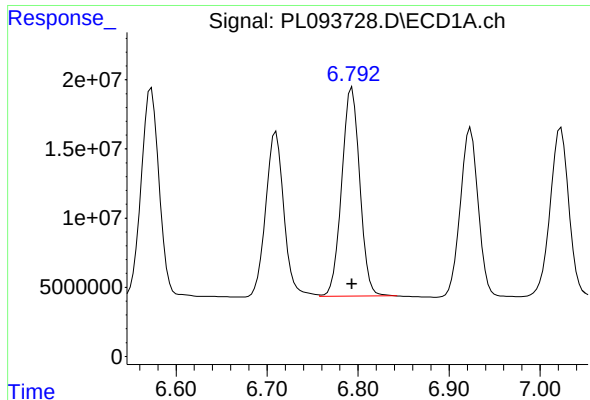
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: 0.000 min  
Response: 207942946  
Conc: 93.61 ng/ml



#14 Endrin

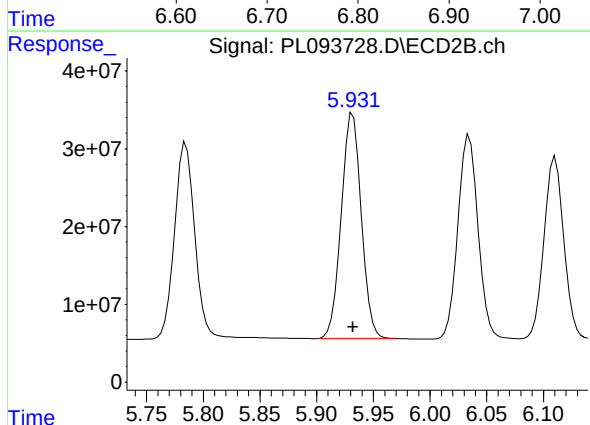
R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 360776248  
Conc: 96.48 ng/ml



#15 Endosulfan II

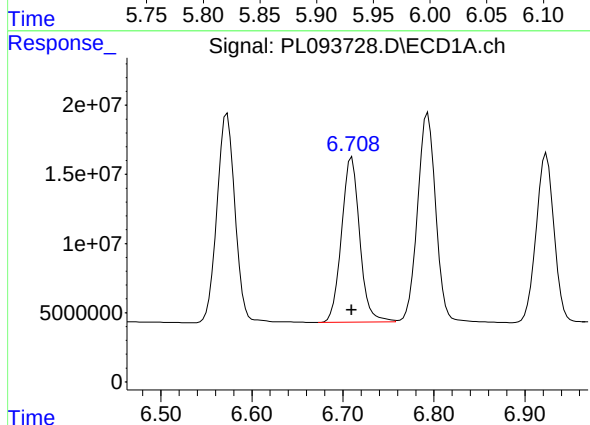
R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 208413423  
Conc: 92.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



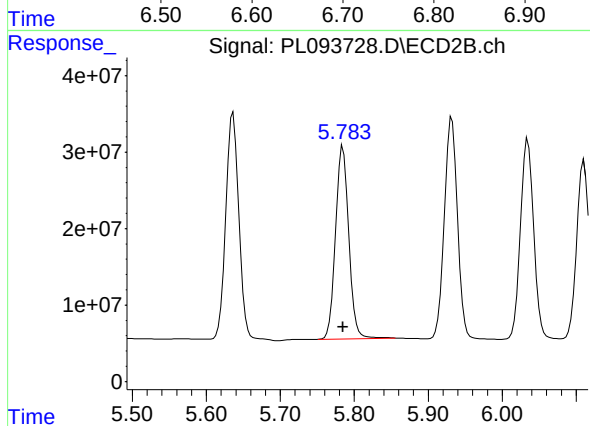
#15 Endosulfan II

R.T.: 5.932 min  
Delta R.T.: 0.000 min  
Response: 355326342  
Conc: 95.18 ng/ml



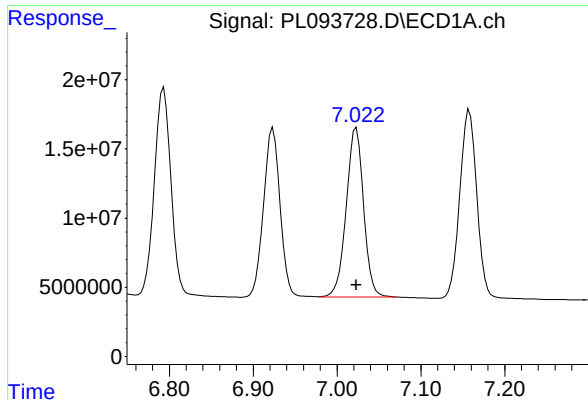
#16 4,4'-DDD

R.T.: 6.710 min  
Delta R.T.: 0.000 min  
Response: 166092692  
Conc: 92.44 ng/ml



#16 4,4'-DDD

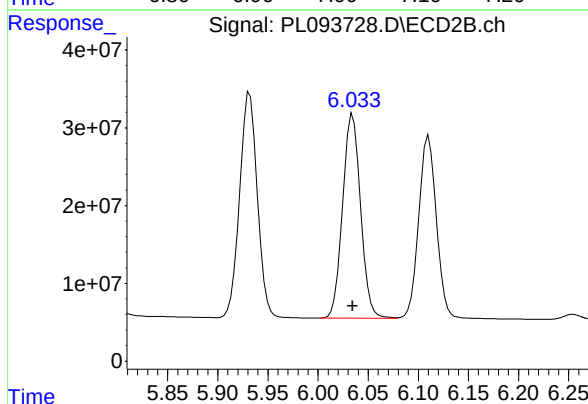
R.T.: 5.785 min  
Delta R.T.: 0.000 min  
Response: 313400411  
Conc: 96.24 ng/ml



#17 4,4'-DDT

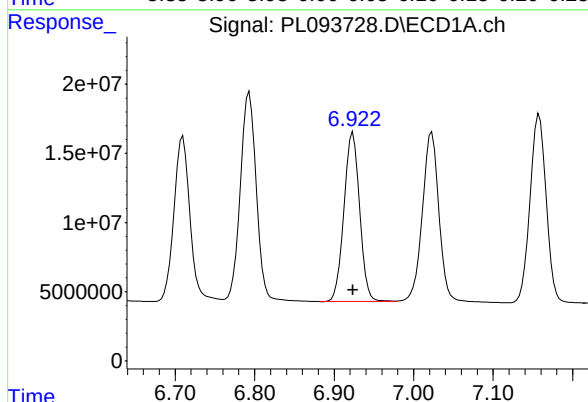
R.T.: 7.023 min  
Delta R.T.: 0.000 min  
Response: 175556551  
Conc: 93.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



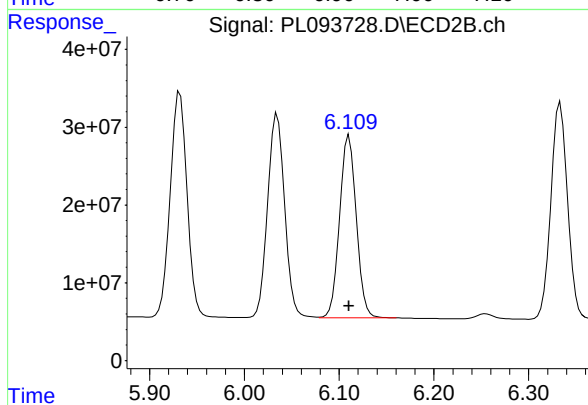
#17 4,4'-DDT

R.T.: 6.035 min  
Delta R.T.: 0.000 min  
Response: 327000877  
Conc: 96.00 ng/ml



#18 Endrin aldehyde

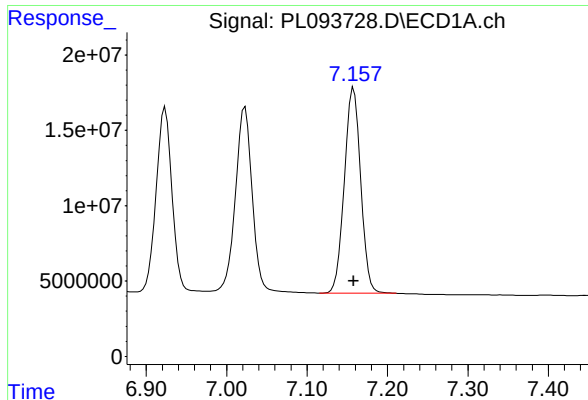
R.T.: 6.924 min  
Delta R.T.: 0.000 min  
Response: 167311887  
Conc: 92.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 286145897  
Conc: 94.67 ng/ml

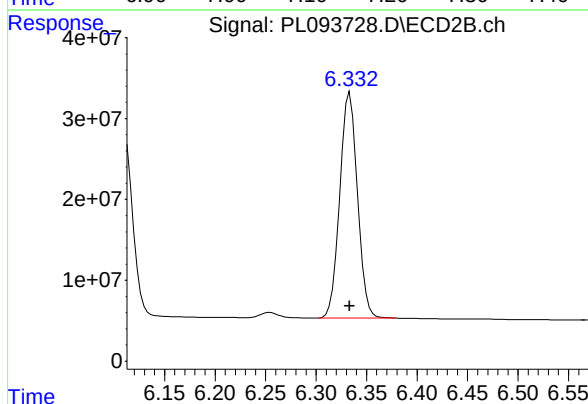




## #19 Endosulfan Sulfate

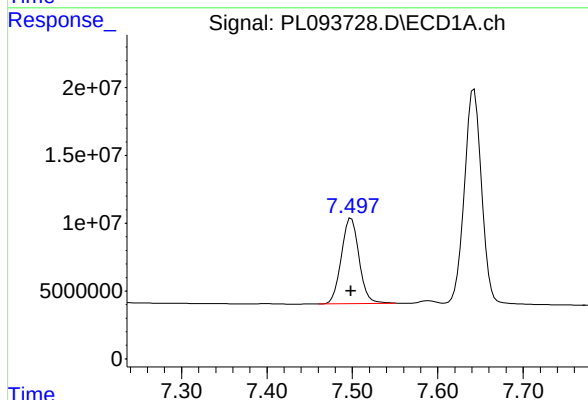
R.T.: 7.158 min  
Delta R.T.: 0.000 min  
Response: 192310257  
Conc: 92.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



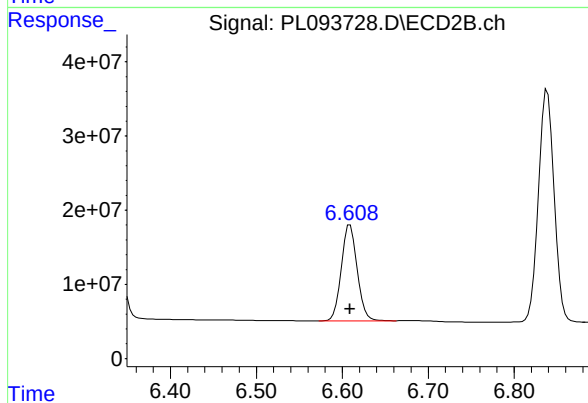
## #19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 340862985  
Conc: 95.14 ng/ml



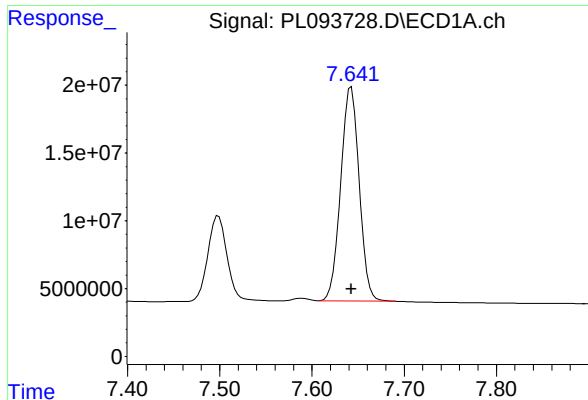
## #20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.000 min  
Response: 90728367  
Conc: 91.29 ng/ml



## #20 Methoxychlor

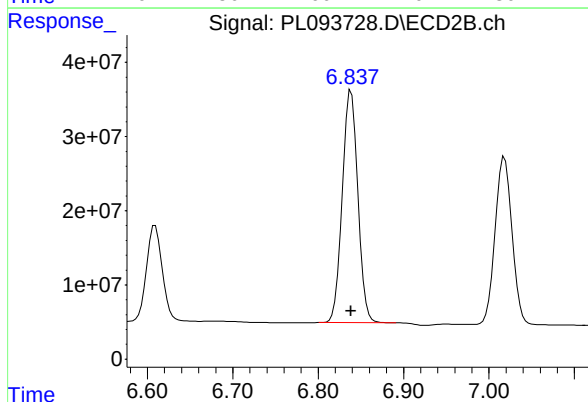
R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 165186868  
Conc: 93.80 ng/ml



#21 Endrin ketone

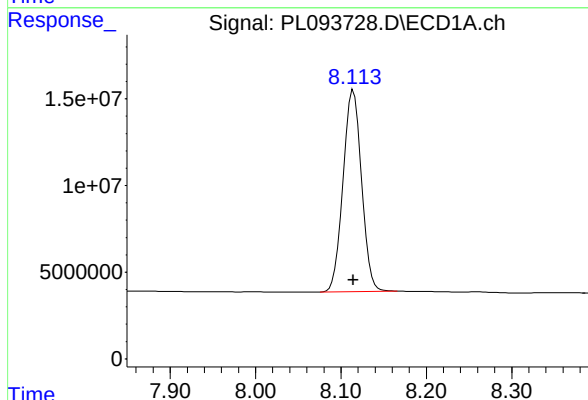
R.T.: 7.643 min  
Delta R.T.: 0.000 min  
Response: 219684904  
Conc: 92.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



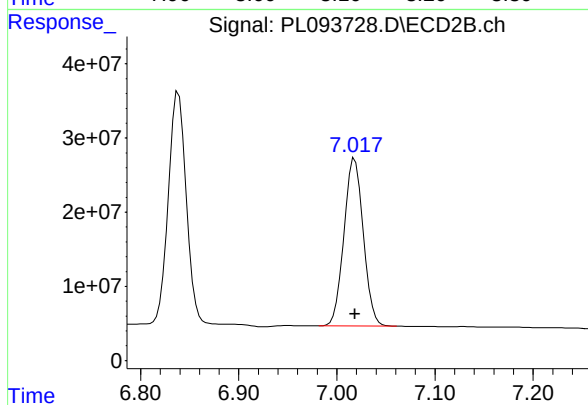
#21 Endrin ketone

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 396512430  
Conc: 94.80 ng/ml



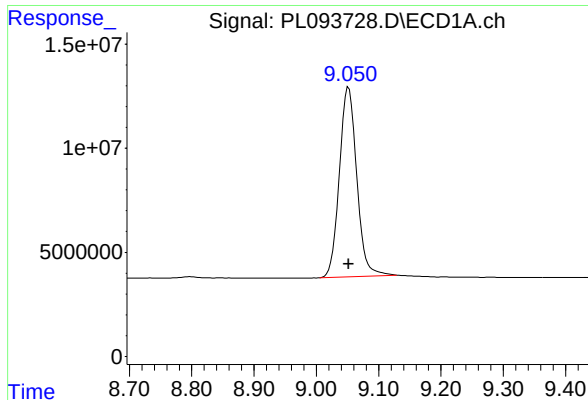
#22 Mirex

R.T.: 8.115 min  
Delta R.T.: 0.000 min  
Response: 175302981  
Conc: 91.82 ng/ml



#22 Mirex

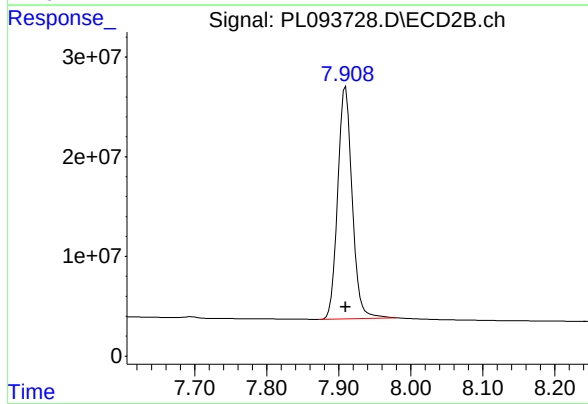
R.T.: 7.018 min  
Delta R.T.: 0.000 min  
Response: 309908166  
Conc: 94.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min  
Delta R.T.: 0.000 min  
Response: 176847808  
Conc: 91.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.000 min  
Response: 322668553  
Conc: 94.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093729.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 11:10  
 Operator : AR\AJ  
 Sample : PSTDICC075  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC075

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 13:57:31 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 13:52:59 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...          | 3.539 | 2.774 | 180.2E6  | 229.4E6 | 71.698 | 71.707 |
| 2) SA Decachlor...          | 9.053 | 7.910 | 136.2E6  | 239.5E6 | 71.914 | 71.521 |
| Target Compounds            |       |       |          |         |        |        |
| 2) A alpha-BHC              | 3.995 | 3.277 | 261.8E6  | 357.6E6 | 71.744 | 71.750 |
| 3) MA gamma-BHC...          | 4.327 | 3.607 | 250.5E6  | 344.8E6 | 71.676 | 71.853 |
| 4) MA Heptachlor            | 4.915 | 3.945 | 217.6E6  | 331.0E6 | 71.357 | 71.736 |
| 5) MB Aldrin                | 5.256 | 4.225 | 217.3E6  | 327.8E6 | 71.516 | 71.729 |
| 6) B beta-BHC               | 4.525 | 3.907 | 104.6E6  | 138.2E6 | 71.206 | 71.753 |
| 7) B delta-BHC              | 4.772 | 4.136 | 239.6E6  | 345.6E6 | 71.632 | 71.760 |
| 8) B Heptachlo...           | 5.683 | 4.727 | 193.2E6  | 296.0E6 | 71.570 | 71.629 |
| 9) A Endosulfan I           | 6.068 | 5.097 | 172.4E6  | 274.6E6 | 71.433 | 71.672 |
| 10) B gamma-Chl...          | 5.938 | 4.977 | 185.4E6  | 301.3E6 | 71.825 | 71.519 |
| 11) B alpha-Chl...          | 6.017 | 5.041 | 184.4E6  | 297.2E6 | 71.795 | 71.644 |
| 12) B 4,4'-DDE              | 6.191 | 5.230 | 162.7E6  | 285.6E6 | 71.391 | 71.673 |
| 13) MA Dieldrin             | 6.343 | 5.361 | 183.1E6  | 305.8E6 | 71.456 | 71.552 |
| 14) MA Endrin               | 6.573 | 5.637 | 154.6E6  | 261.1E6 | 71.302 | 71.468 |
| 15) B Endosulfa...          | 6.793 | 5.931 | 157.5E6  | 261.6E6 | 71.626 | 71.638 |
| 16) A 4,4'-DDD              | 6.709 | 5.784 | 126.0E6  | 229.1E6 | 71.668 | 71.836 |
| 17) MA 4,4'-DDT             | 7.022 | 6.034 | 132.5E6  | 238.3E6 | 71.766 | 71.567 |
| 18) B Endrin al...          | 6.923 | 6.110 | 127.2E6  | 211.5E6 | 71.622 | 71.578 |
| 19) B Endosulfa...          | 7.157 | 6.333 | 145.9E6  | 251.5E6 | 71.548 | 71.726 |
| 20) A Methoxychlor          | 7.498 | 6.609 | 69158182 | 122.6E6 | 71.303 | 71.307 |
| 21) B Endrin ke...          | 7.642 | 6.838 | 165.4E6  | 291.1E6 | 71.484 | 71.317 |
| 22) Mirex                   | 8.115 | 7.018 | 133.6E6  | 229.7E6 | 71.590 | 71.522 |
| -----                       |       |       |          |         |        |        |

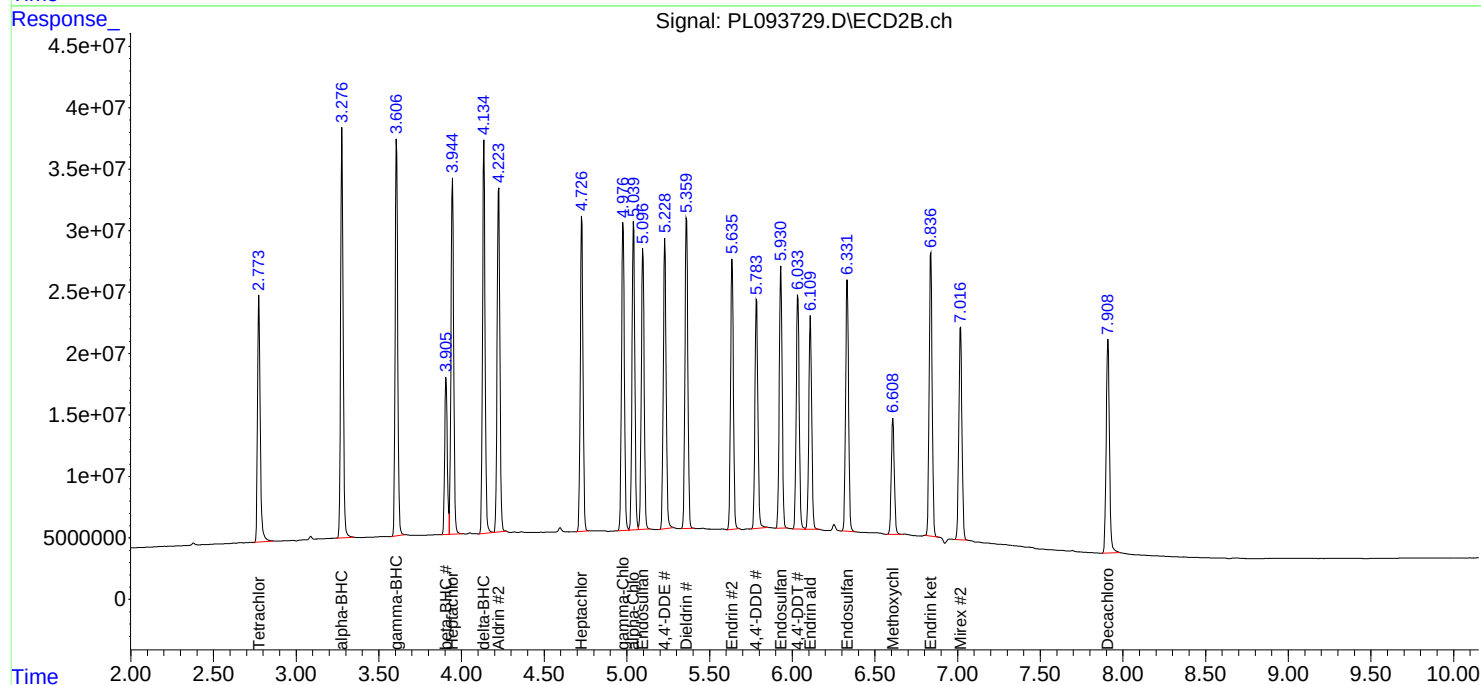
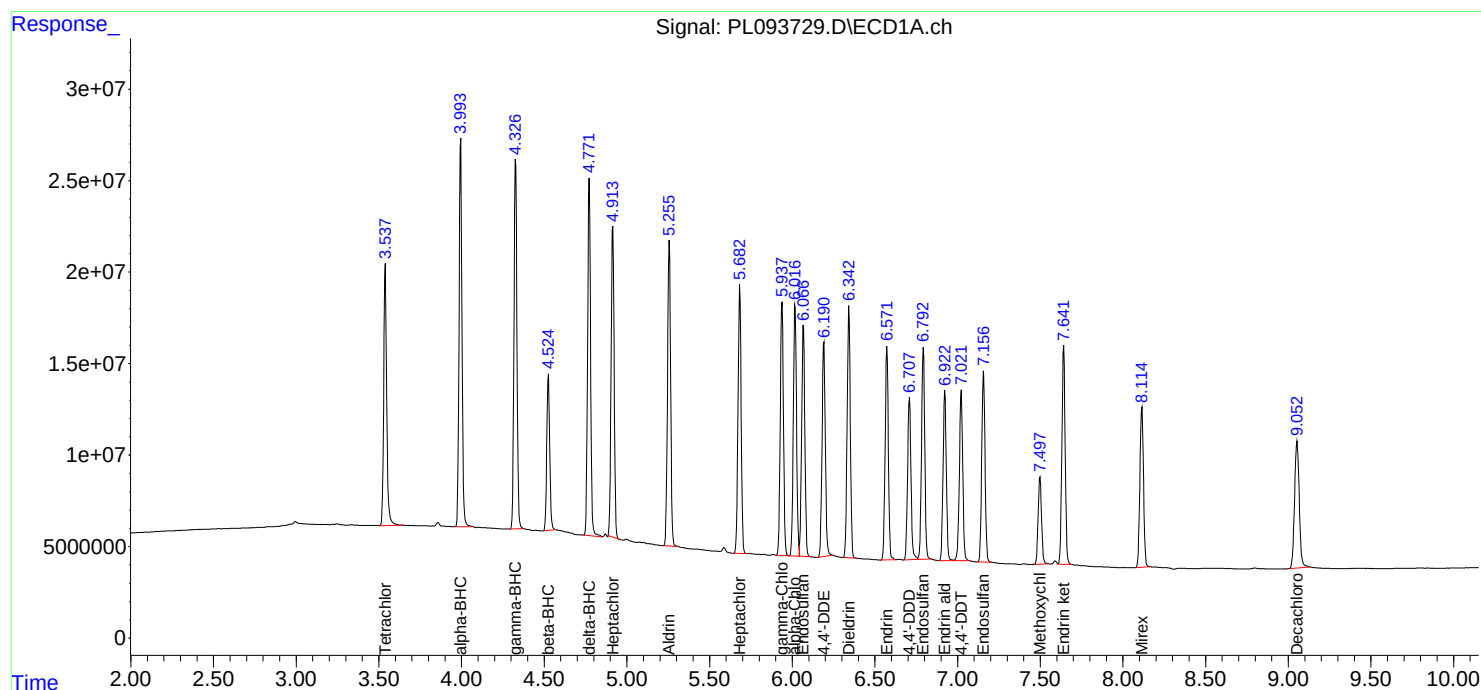
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

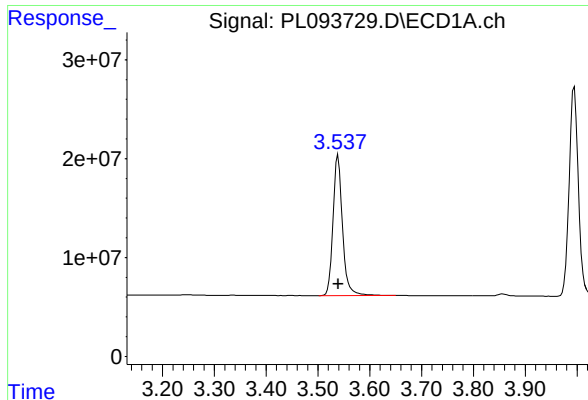
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093729.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 11:10  
Operator : AR\AJ  
Sample : PSTDICC075  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 13:57:31 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 13:52:59 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

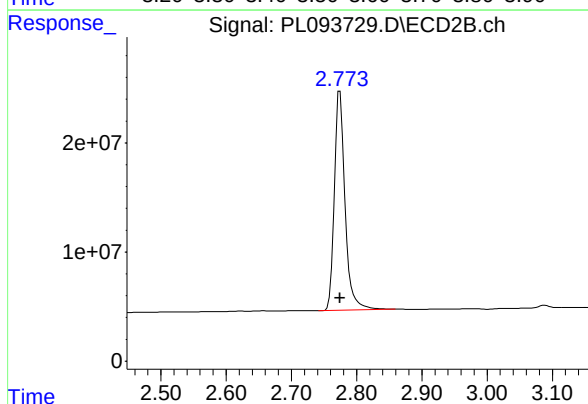




## #1 Tetrachloro-m-xylene

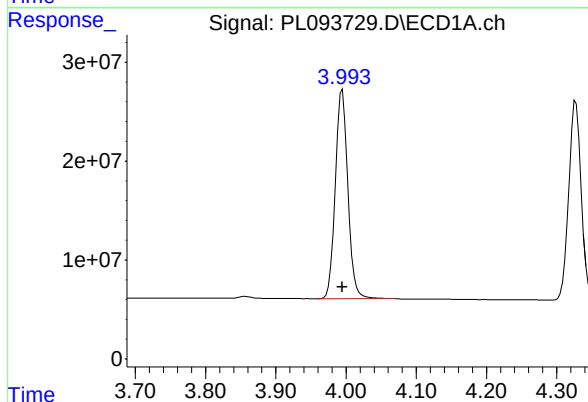
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 180223207  
Conc: 71.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



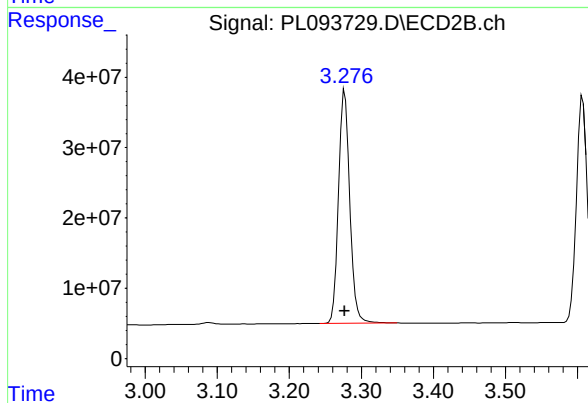
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 229390960  
Conc: 71.71 ng/ml



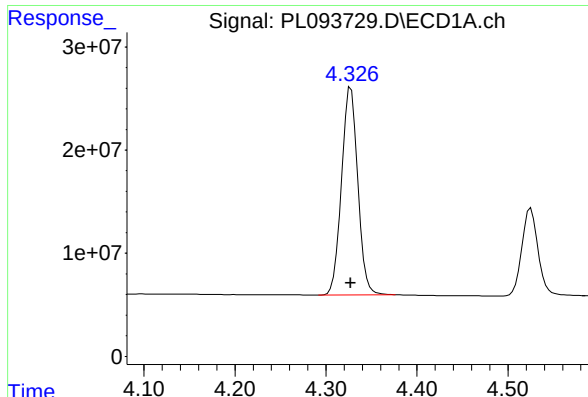
## #2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 261771076  
Conc: 71.74 ng/ml



## #2 alpha-BHC

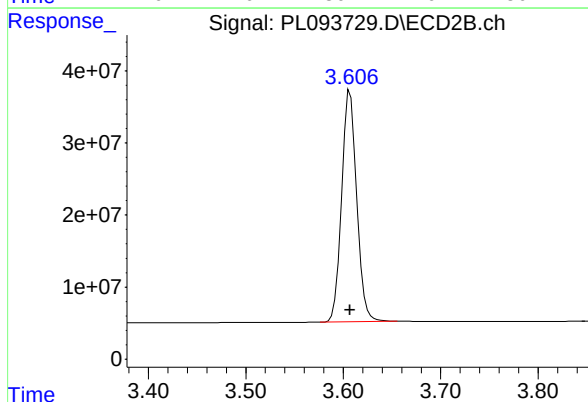
R.T.: 3.277 min  
Delta R.T.: 0.000 min  
Response: 357647885  
Conc: 71.75 ng/ml



#3 gamma-BHC (Lindane)

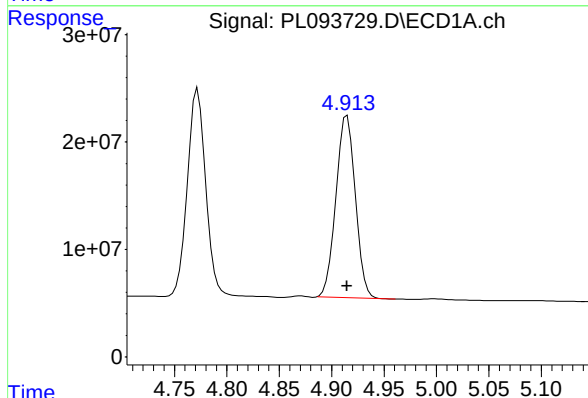
R.T.: 4.327 min  
Delta R.T.: 0.000 min  
Response: 250451076  
Conc: 71.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



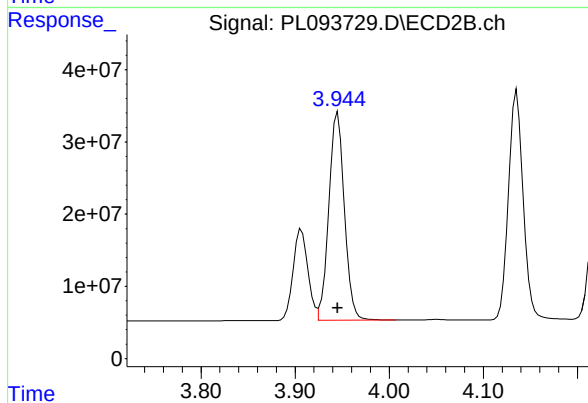
#3 gamma-BHC (Lindane)

R.T.: 3.607 min  
Delta R.T.: 0.000 min  
Response: 344775667  
Conc: 71.85 ng/ml



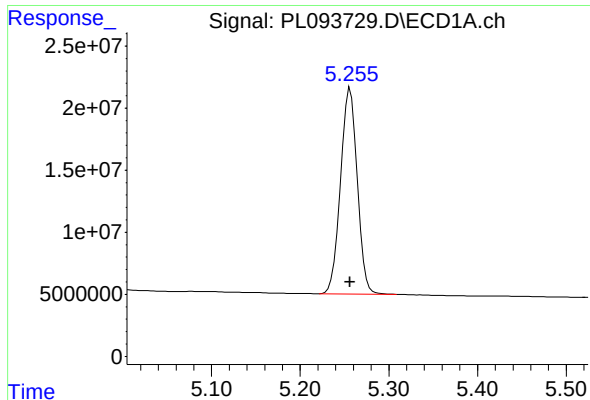
#4 Heptachlor

R.T.: 4.915 min  
Delta R.T.: 0.000 min  
Response: 217626800  
Conc: 71.36 ng/ml



#4 Heptachlor

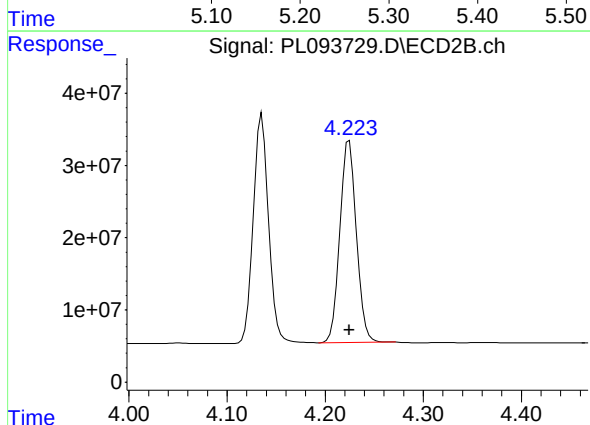
R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 331031082  
Conc: 71.74 ng/ml



#5 Aldrin

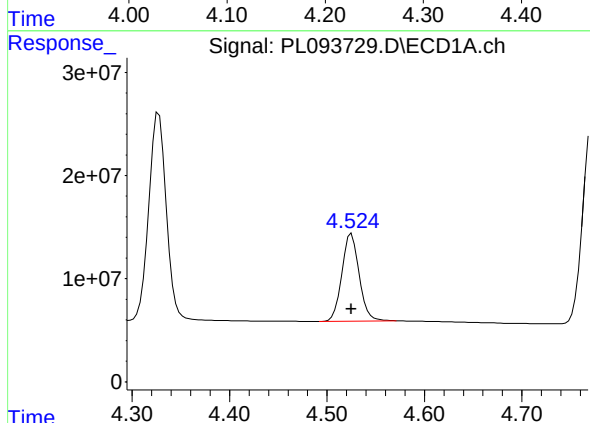
R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 217256477  
Conc: 71.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



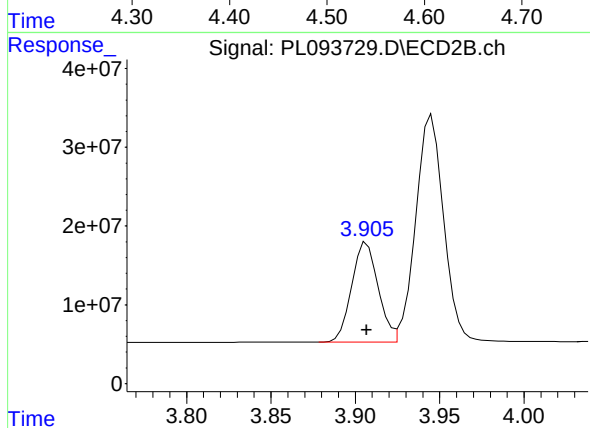
#5 Aldrin

R.T.: 4.225 min  
Delta R.T.: 0.000 min  
Response: 327810801  
Conc: 71.73 ng/ml



#6 beta-BHC

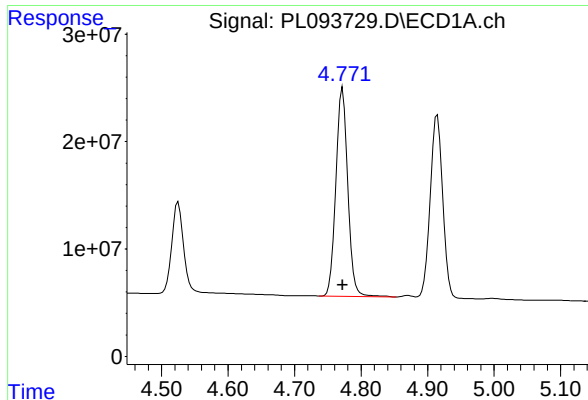
R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 104583271  
Conc: 71.21 ng/ml



#6 beta-BHC

R.T.: 3.907 min  
Delta R.T.: 0.000 min  
Response: 138204189  
Conc: 71.75 ng/ml

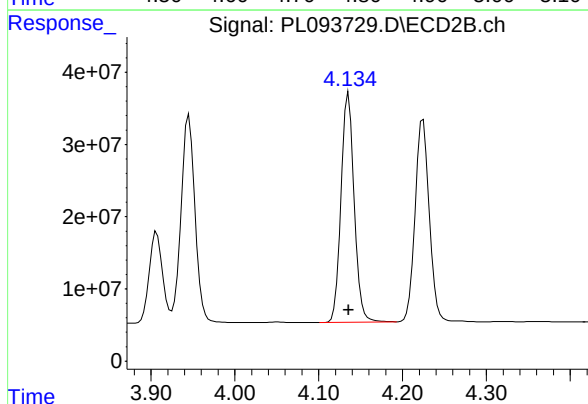




#7 delta-BHC

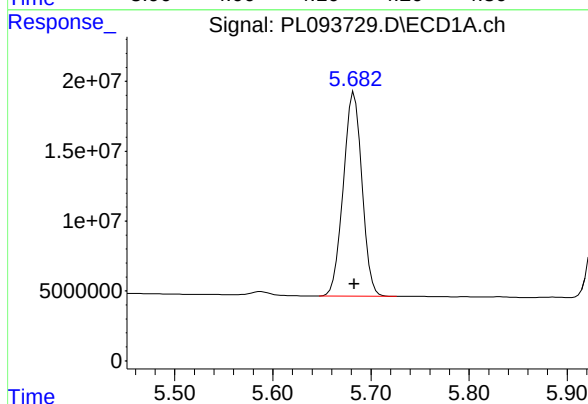
R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 239591328  
Conc: 71.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



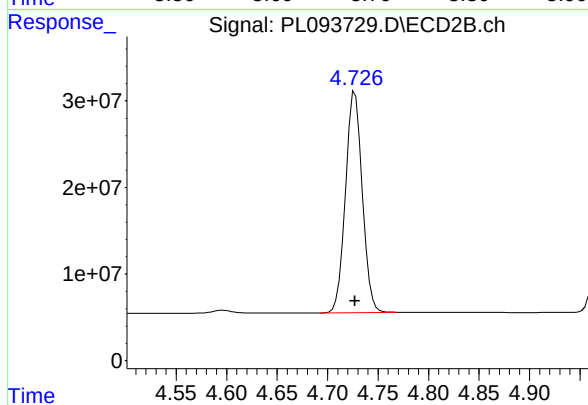
#7 delta-BHC

R.T.: 4.136 min  
Delta R.T.: 0.000 min  
Response: 345593516  
Conc: 71.76 ng/ml



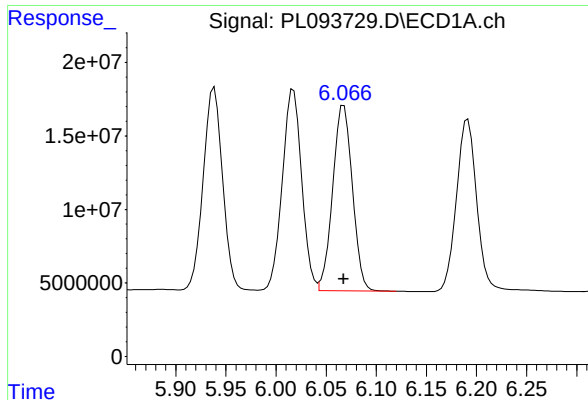
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 193196976  
Conc: 71.57 ng/ml



#8 Heptachlor epoxide

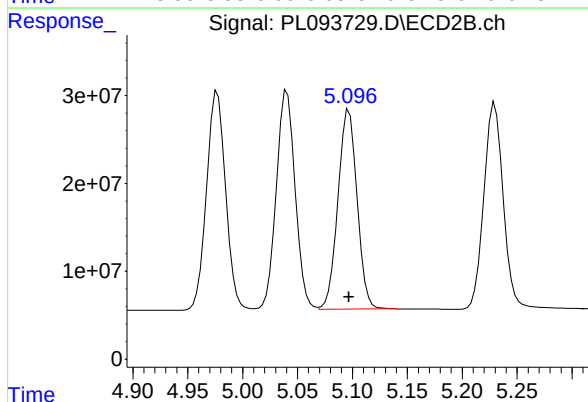
R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 296015685  
Conc: 71.63 ng/ml



#9 Endosulfan I

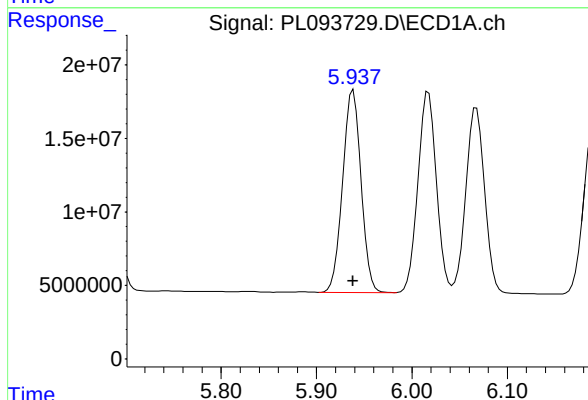
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 172391226  
Conc: 71.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



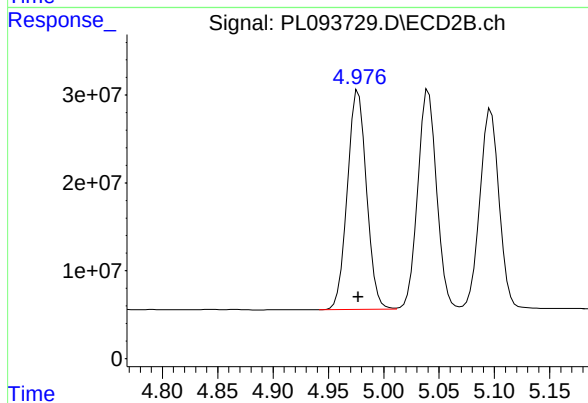
#9 Endosulfan I

R.T.: 5.097 min  
Delta R.T.: 0.000 min  
Response: 274618139  
Conc: 71.67 ng/ml



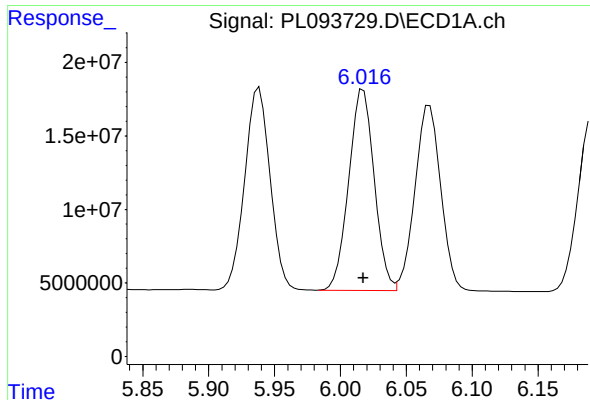
#10 gamma-Chlordane

R.T.: 5.938 min  
Delta R.T.: 0.000 min  
Response: 185387384  
Conc: 71.83 ng/ml



#10 gamma-Chlordane

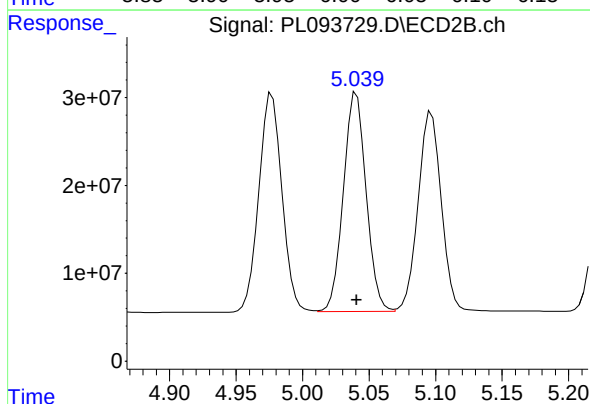
R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 301264863  
Conc: 71.52 ng/ml



#11 alpha-Chlordane

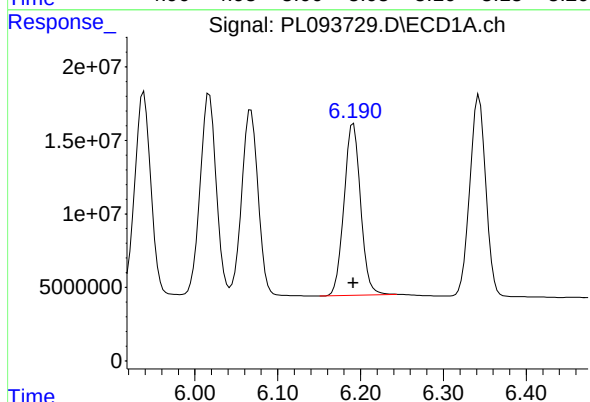
R.T.: 6.017 min  
Delta R.T.: 0.000 min  
Response: 184386873  
Conc: 71.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



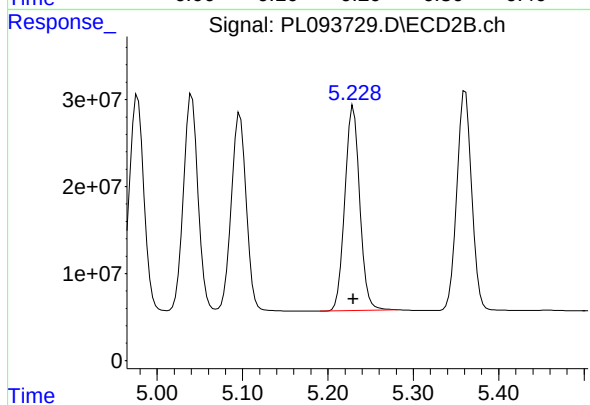
#11 alpha-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 297157887  
Conc: 71.64 ng/ml



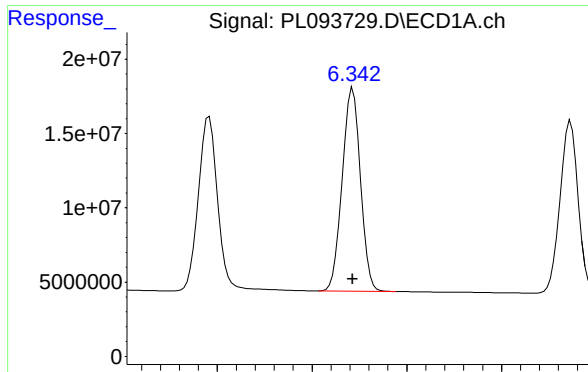
#12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 162744494  
Conc: 71.39 ng/ml



#12 4,4'-DDE

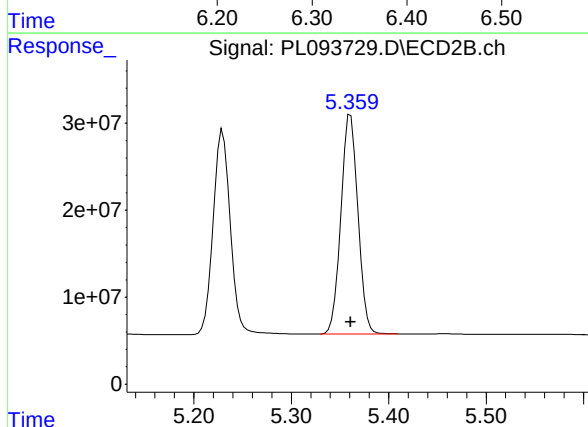
R.T.: 5.230 min  
Delta R.T.: 0.000 min  
Response: 285573154  
Conc: 71.67 ng/ml



#13 Dieldrin

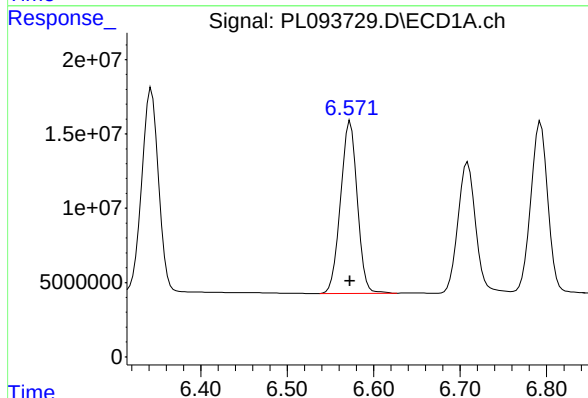
R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 183061011  
Conc: 71.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



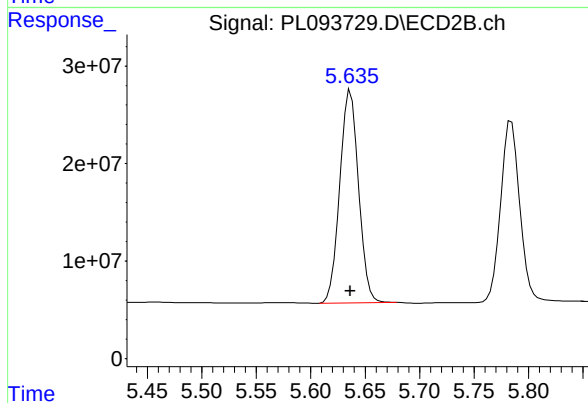
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 305757664  
Conc: 71.55 ng/ml



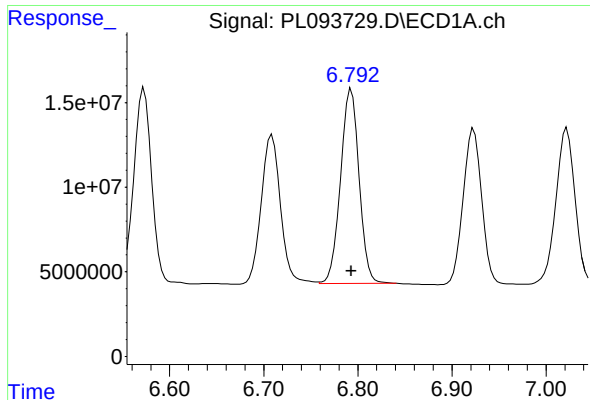
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: 0.000 min  
Response: 154574222  
Conc: 71.30 ng/ml



#14 Endrin

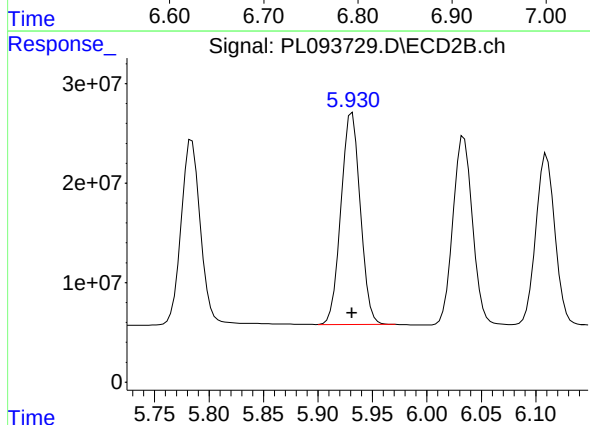
R.T.: 5.637 min  
Delta R.T.: 0.000 min  
Response: 261087919  
Conc: 71.47 ng/ml



#15 Endosulfan II

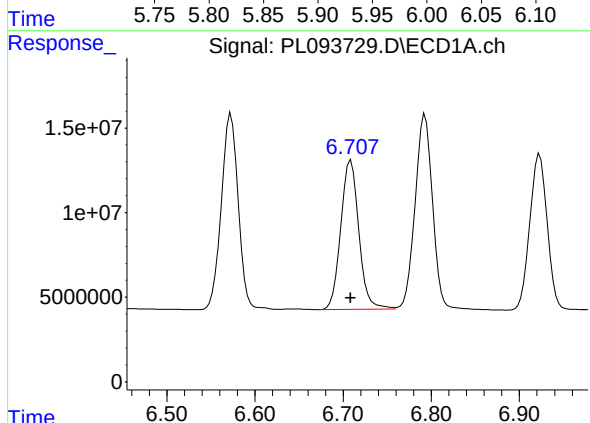
R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 157545345  
Conc: 71.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



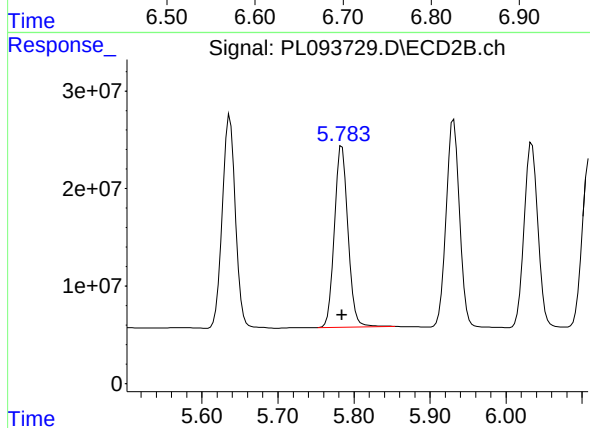
#15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 261572754  
Conc: 71.64 ng/ml



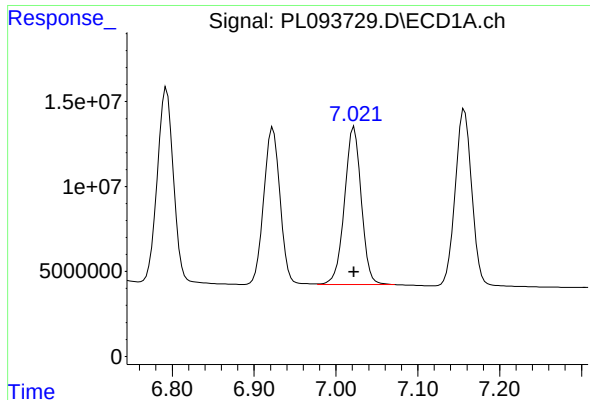
#16 4,4'-DDD

R.T.: 6.709 min  
Delta R.T.: 0.000 min  
Response: 125973987  
Conc: 71.67 ng/ml



#16 4,4'-DDD

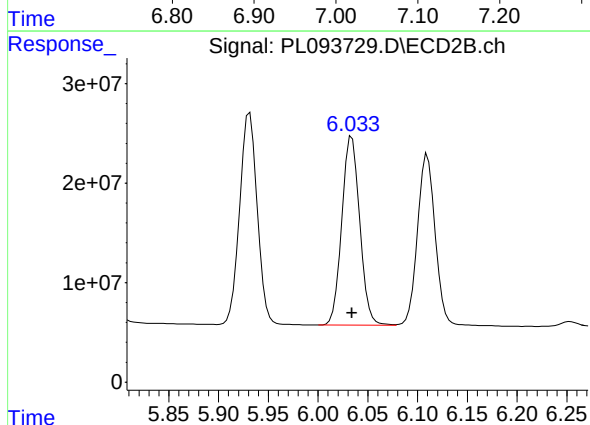
R.T.: 5.784 min  
Delta R.T.: 0.000 min  
Response: 229105062  
Conc: 71.84 ng/ml



#17 4,4'-DDT

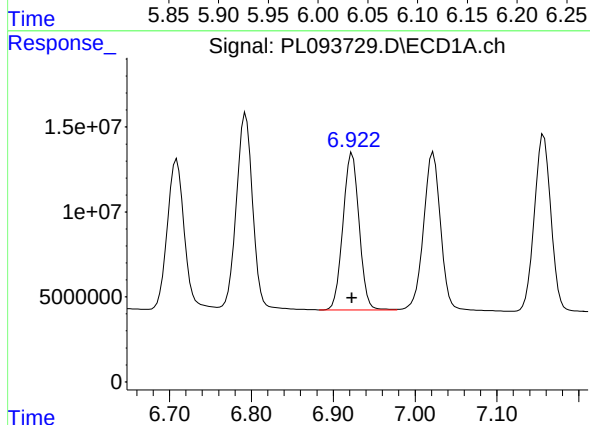
R.T.: 7.022 min  
Delta R.T.: 0.000 min  
Response: 132503378  
Conc: 71.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



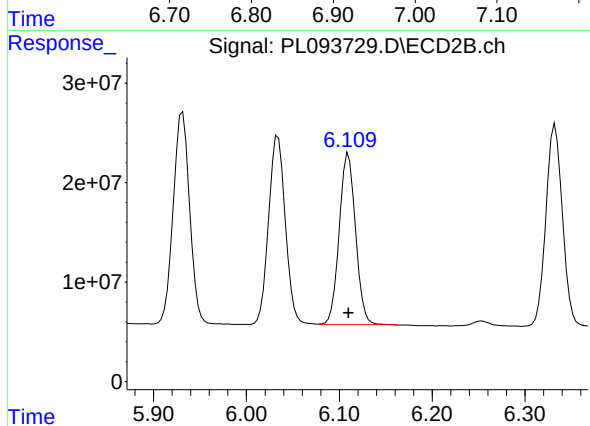
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 238334747  
Conc: 71.57 ng/ml



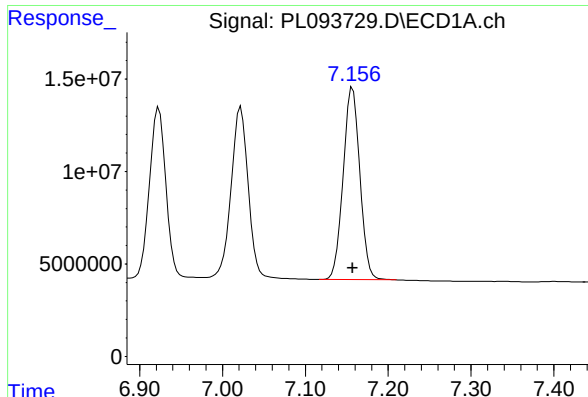
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 127202927  
Conc: 71.62 ng/ml



#18 Endrin aldehyde

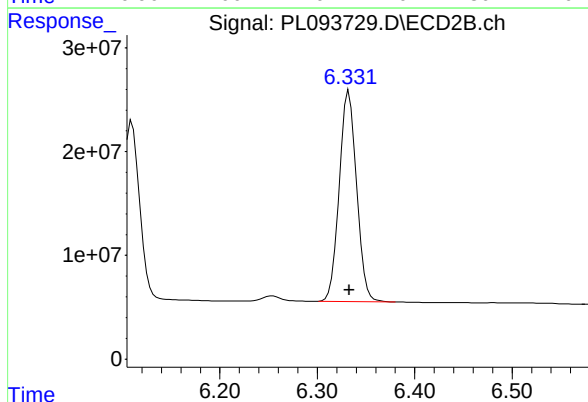
R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 211513516  
Conc: 71.58 ng/ml



#19 Endosulfan Sulfate

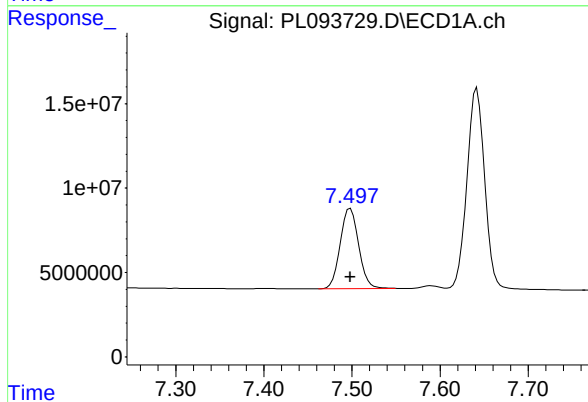
R.T.: 7.157 min  
Delta R.T.: 0.000 min  
Response: 145880361  
Conc: 71.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



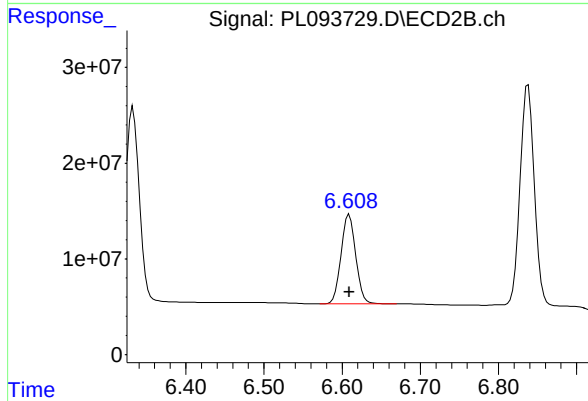
#19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 251492996  
Conc: 71.73 ng/ml



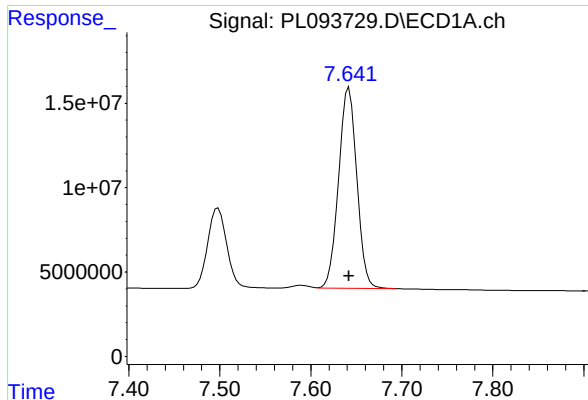
#20 Methoxychlor

R.T.: 7.498 min  
Delta R.T.: 0.000 min  
Response: 69158182  
Conc: 71.30 ng/ml



#20 Methoxychlor

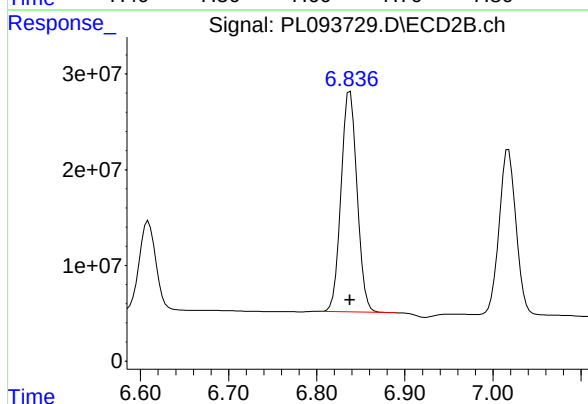
R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 122564991  
Conc: 71.31 ng/ml



#21 Endrin ketone

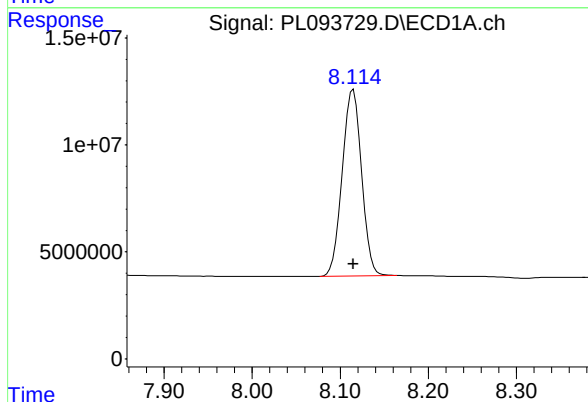
R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 165416371  
Conc: 71.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



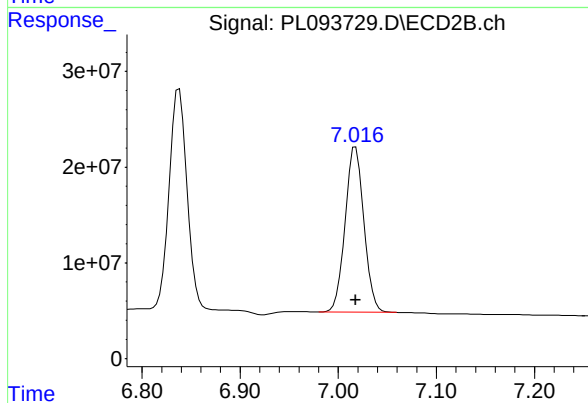
#21 Endrin ketone

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 291141748  
Conc: 71.32 ng/ml



#22 Mirex

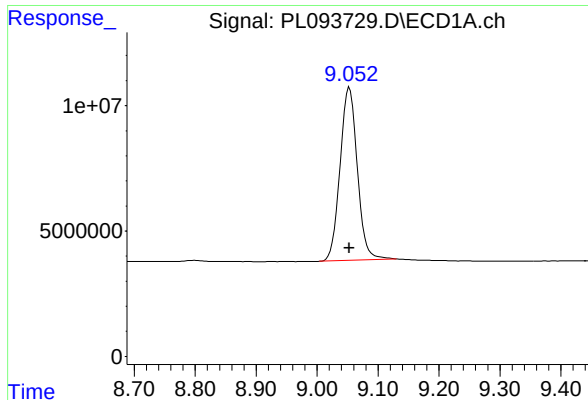
R.T.: 8.115 min  
Delta R.T.: 0.000 min  
Response: 133645314  
Conc: 71.59 ng/ml



#22 Mirex

R.T.: 7.018 min  
Delta R.T.: 0.000 min  
Response: 229698971  
Conc: 71.52 ng/ml

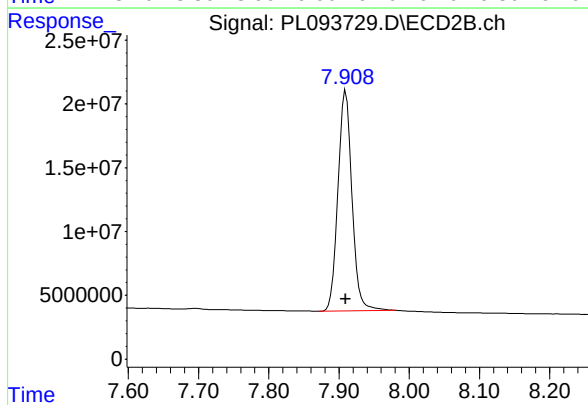




#28 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: 0.000 min  
Response: 136236362  
Conc: 71.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.000 min  
Response: 239534634  
Conc: 71.52 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093730.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 11:24  
 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: Jan 21 13:53:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 13:52:59 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...          | 3.539 | 2.774 | 137.0E6  | 171.9E6  | 50.000 | 50.000 |
| 28) SA Decachlor...         | 9.053 | 7.910 | 104.9E6  | 181.4E6  | 50.000 | 50.000 |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.995 | 3.277 | 195.9E6  | 263.6E6  | 50.000 | 50.000 |
| 3) MA gamma-BHC...          | 4.327 | 3.607 | 188.4E6  | 254.2E6  | 50.000 | 50.000 |
| 4) MA Heptachlor            | 4.914 | 3.945 | 166.3E6  | 246.2E6  | 50.000 | 50.000 |
| 5) MB Aldrin                | 5.256 | 4.225 | 164.6E6  | 242.8E6  | 50.000 | 50.000 |
| 6) B beta-BHC               | 4.525 | 3.907 | 80914447 | 103.6E6  | 50.000 | 50.000 |
| 7) B delta-BHC              | 4.772 | 4.136 | 180.3E6  | 254.9E6  | 50.000 | 50.000 |
| 8) B Heptachlo...           | 5.682 | 4.727 | 147.7E6  | 221.2E6  | 50.000 | 50.000 |
| 9) A Endosulfan I           | 6.067 | 5.096 | 131.9E6  | 205.0E6  | 50.000 | 50.000 |
| 10) B gamma-Chl...          | 5.938 | 4.977 | 140.8E6  | 224.2E6  | 50.000 | 50.000 |
| 11) B alpha-Chl...          | 6.017 | 5.040 | 139.4E6  | 221.2E6  | 50.000 | 50.000 |
| 12) B 4,4'-DDE              | 6.191 | 5.230 | 124.5E6  | 212.7E6  | 50.000 | 50.000 |
| 13) MA Dieldrin             | 6.343 | 5.361 | 139.4E6  | 227.7E6  | 50.000 | 50.000 |
| 14) MA Endrin               | 6.572 | 5.636 | 118.2E6  | 193.5E6  | 50.000 | 50.000 |
| 15) B Endosulfa...          | 6.792 | 5.931 | 120.7E6  | 195.6E6  | 50.000 | 50.000 |
| 16) A 4,4'-DDD              | 6.708 | 5.784 | 96633741 | 169.0E6  | 50.000 | 50.000 |
| 17) MA 4,4'-DDT             | 7.022 | 6.034 | 100.8E6  | 177.1E6  | 50.000 | 50.000 |
| 18) B Endrin al...          | 6.923 | 6.110 | 97948460 | 159.2E6  | 50.000 | 50.000 |
| 19) B Endosulfa...          | 7.157 | 6.333 | 112.4E6  | 187.9E6  | 50.000 | 50.000 |
| 20) A Methoxychlor          | 7.498 | 6.609 | 54018493 | 93520516 | 50.000 | 50.000 |
| 21) B Endrin ke...          | 7.642 | 6.839 | 127.0E6  | 220.0E6  | 50.000 | 50.000 |
| 22) Mirex                   | 8.115 | 7.018 | 103.3E6  | 173.7E6  | 50.000 | 50.000 |
| -----                       |       |       |          |          |        |        |

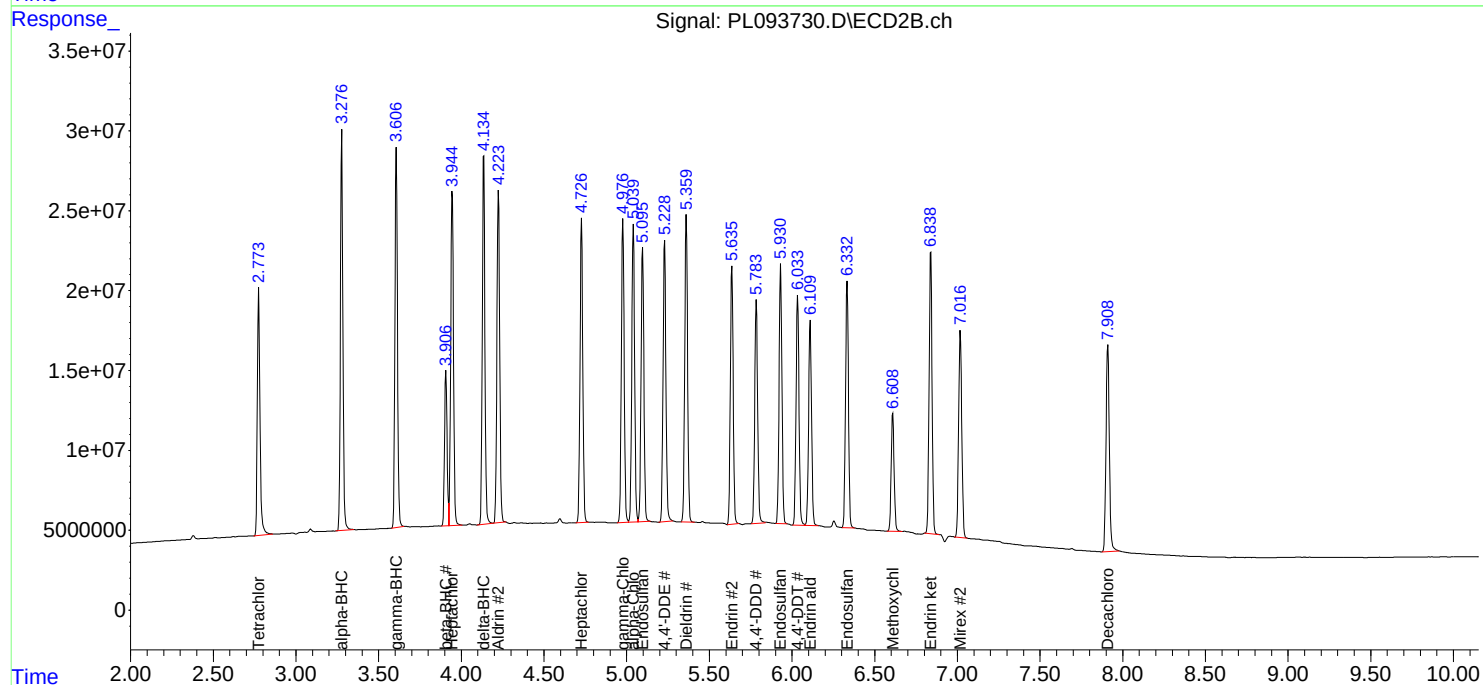
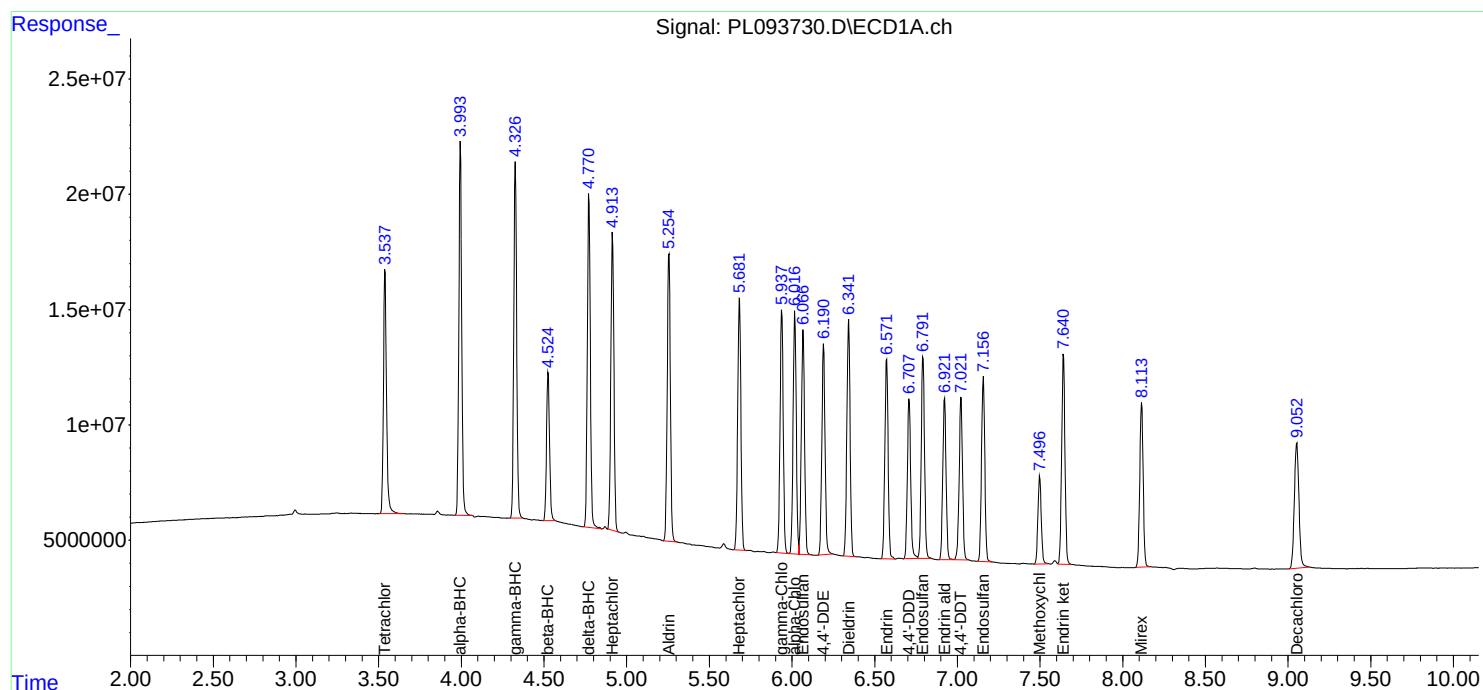
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

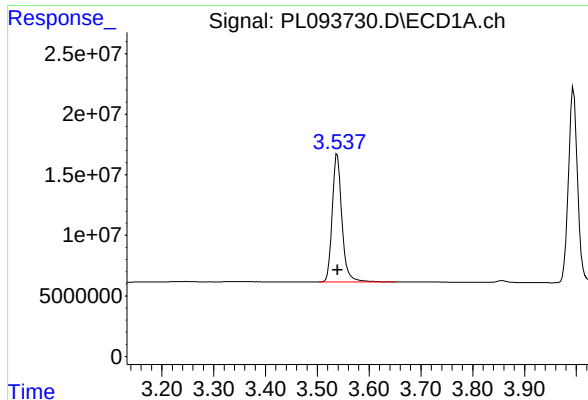
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093730.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 11:24  
Operator : AR\AJ  
Sample : PSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 13:53:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 13:52:59 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

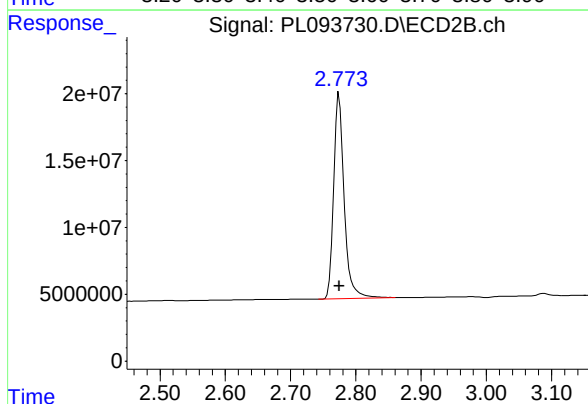




#1 Tetrachloro-m-xylene

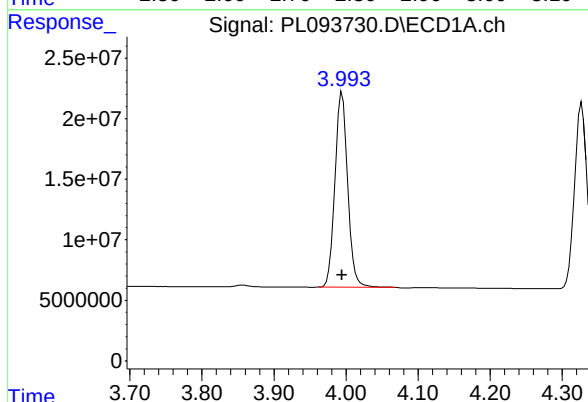
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 137001991  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



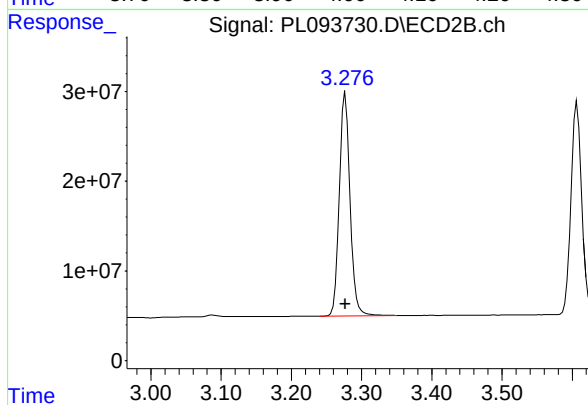
#1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 171861595  
Conc: 50.00 ng/ml



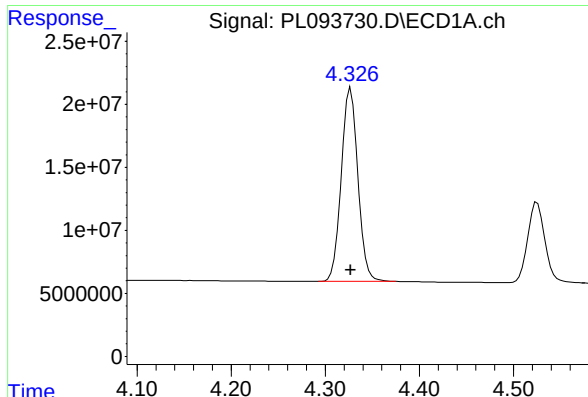
#2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 195905536  
Conc: 50.00 ng/ml



#2 alpha-BHC

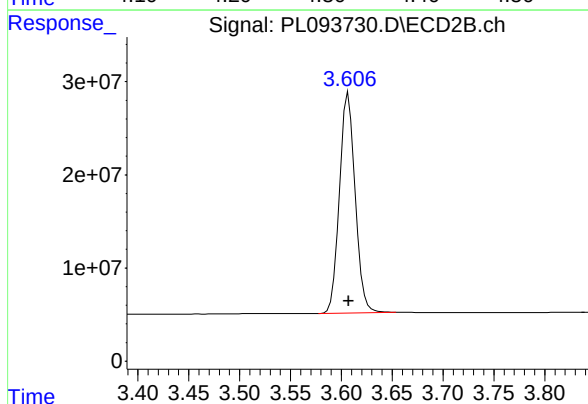
R.T.: 3.277 min  
Delta R.T.: 0.000 min  
Response: 263554029  
Conc: 50.00 ng/ml



## #3 gamma-BHC (Lindane)

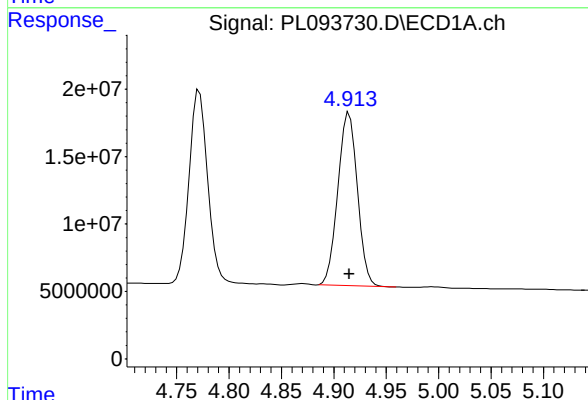
R.T.: 4.327 min  
Delta R.T.: 0.000 min  
Response: 188362613  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



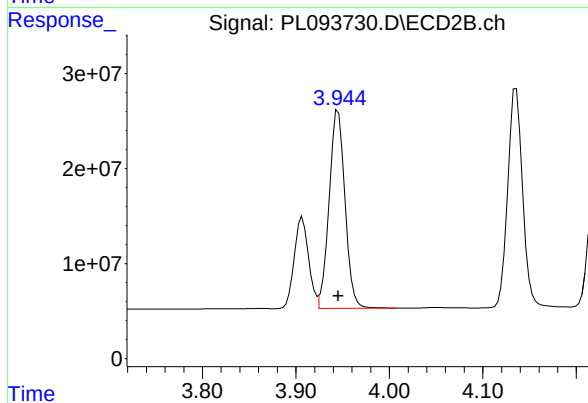
## #3 gamma-BHC (Lindane)

R.T.: 3.607 min  
Delta R.T.: 0.000 min  
Response: 254230505  
Conc: 50.00 ng/ml



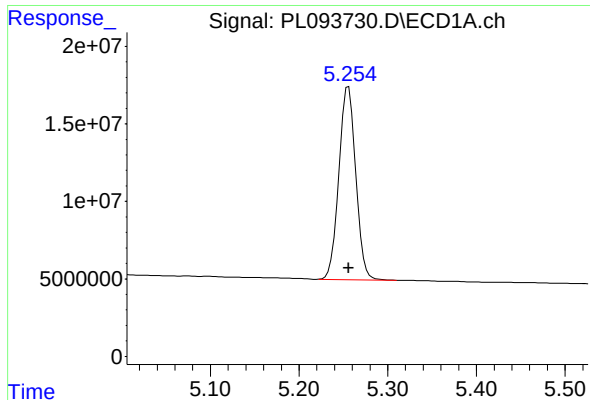
## #4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 166264355  
Conc: 50.00 ng/ml



## #4 Heptachlor

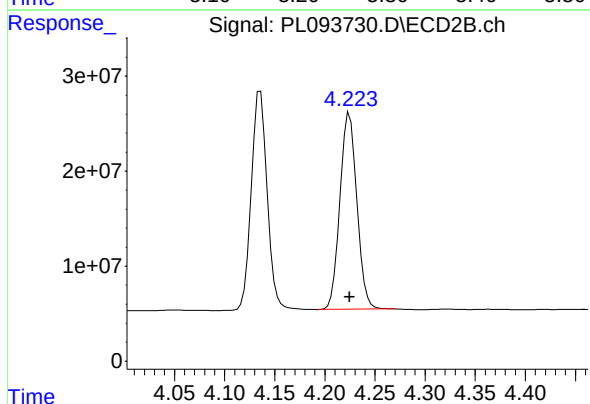
R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 246242003  
Conc: 50.00 ng/ml



#5 Aldrin

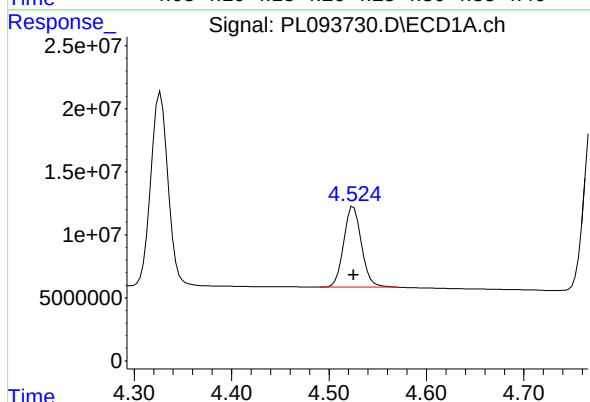
R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 164631568  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



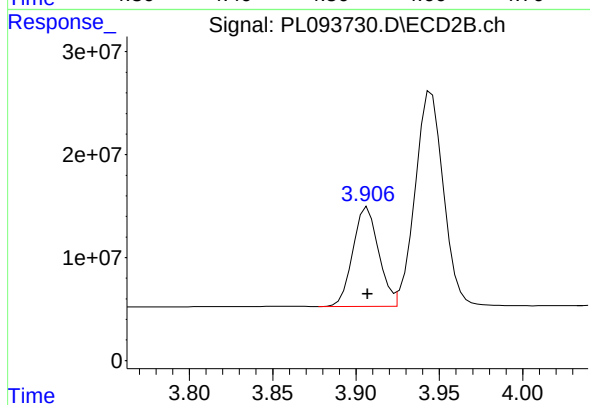
#5 Aldrin

R.T.: 4.225 min  
Delta R.T.: 0.000 min  
Response: 242826175  
Conc: 50.00 ng/ml



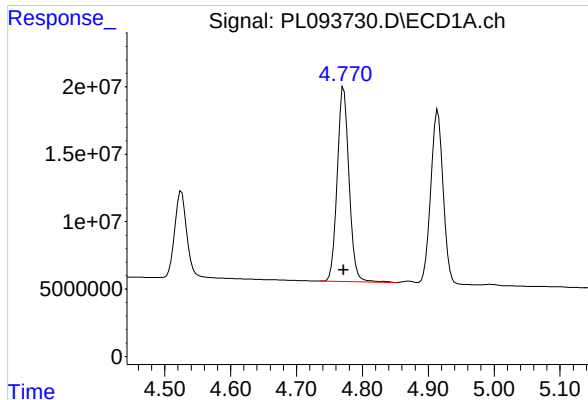
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 80914447  
Conc: 50.00 ng/ml



#6 beta-BHC

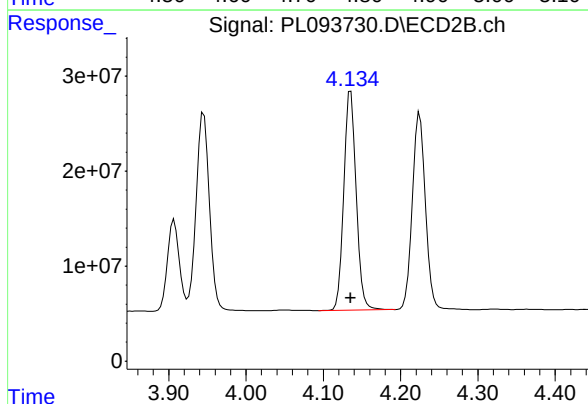
R.T.: 3.907 min  
Delta R.T.: 0.000 min  
Response: 103608976  
Conc: 50.00 ng/ml



#7 delta-BHC

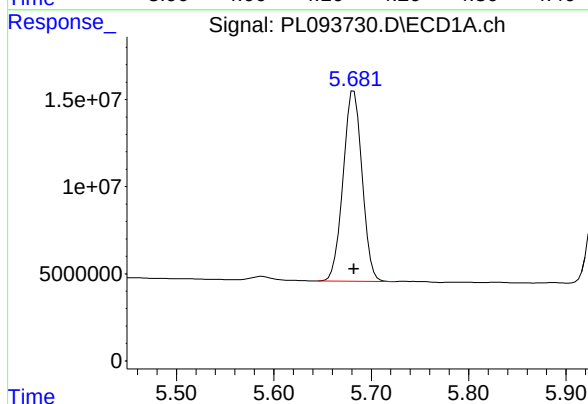
R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 180293977  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



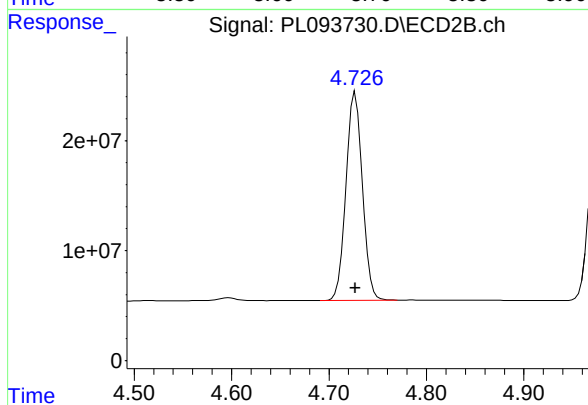
#7 delta-BHC

R.T.: 4.136 min  
Delta R.T.: 0.000 min  
Response: 254940473  
Conc: 50.00 ng/ml



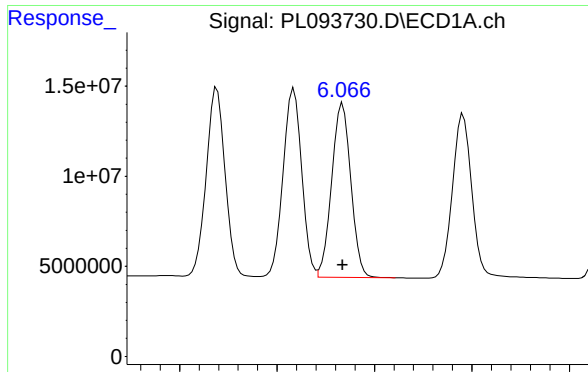
#8 Heptachlor epoxide

R.T.: 5.682 min  
Delta R.T.: 0.000 min  
Response: 147681633  
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

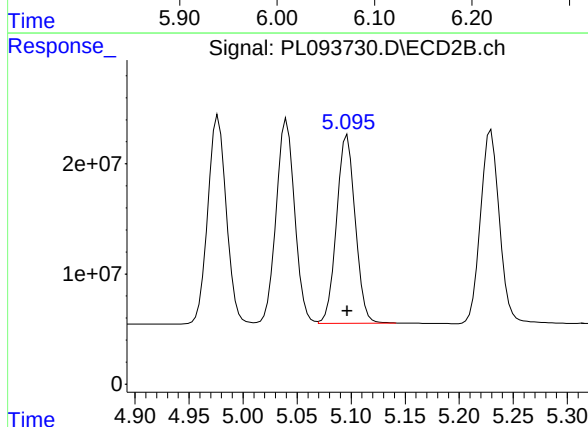
R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 221208450  
Conc: 50.00 ng/ml



#9 Endosulfan I

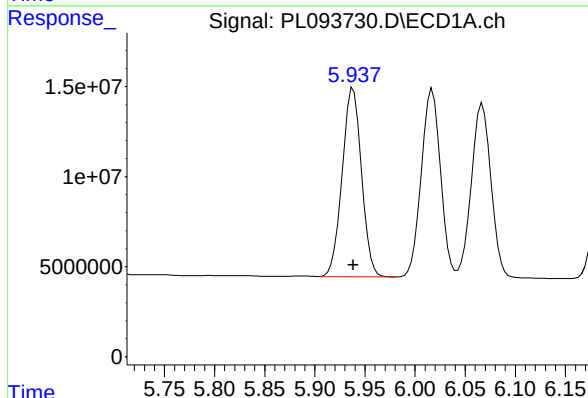
R.T.: 6.067 min  
Delta R.T.: 0.000 min  
Response: 131853108  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



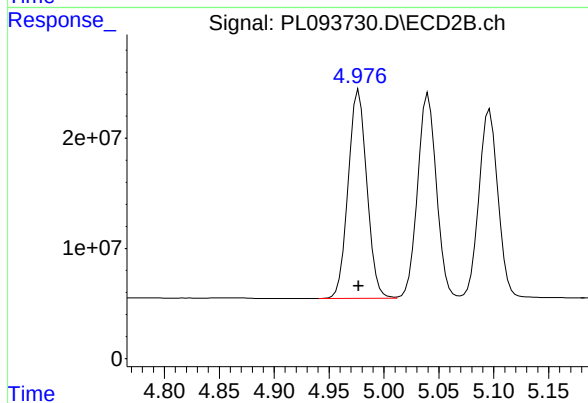
#9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 204951644  
Conc: 50.00 ng/ml



#10 gamma-Chlordane

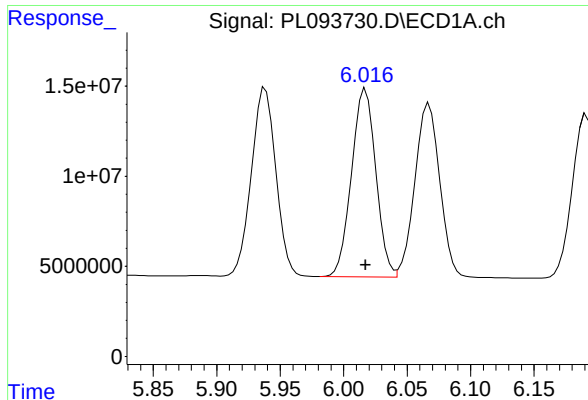
R.T.: 5.938 min  
Delta R.T.: 0.000 min  
Response: 140781558  
Conc: 50.00 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 224150330  
Conc: 50.00 ng/ml

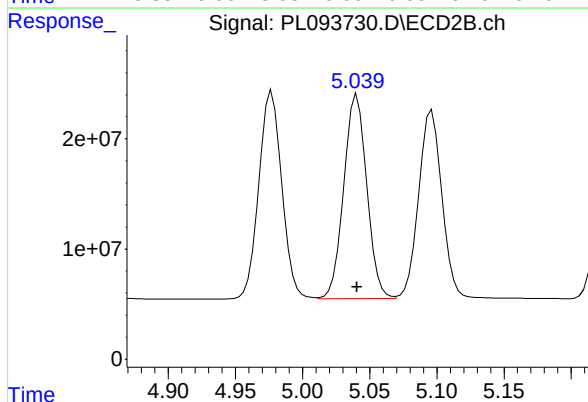




#11 alpha-Chlordane

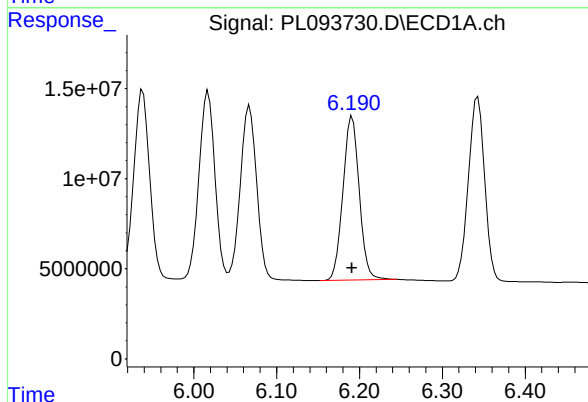
R.T.: 6.017 min  
Delta R.T.: 0.000 min  
Response: 139410024  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



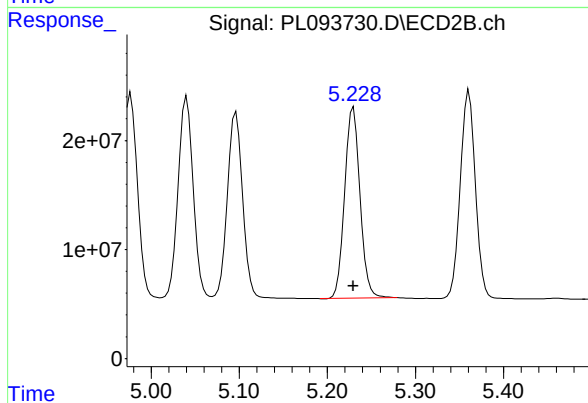
#11 alpha-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 221205596  
Conc: 50.00 ng/ml



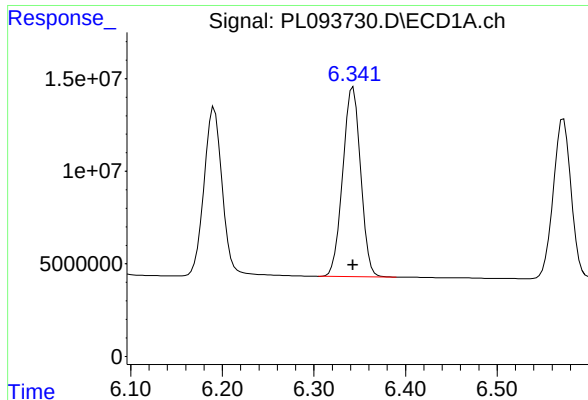
#12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 124454141  
Conc: 50.00 ng/ml



#12 4,4'-DDE

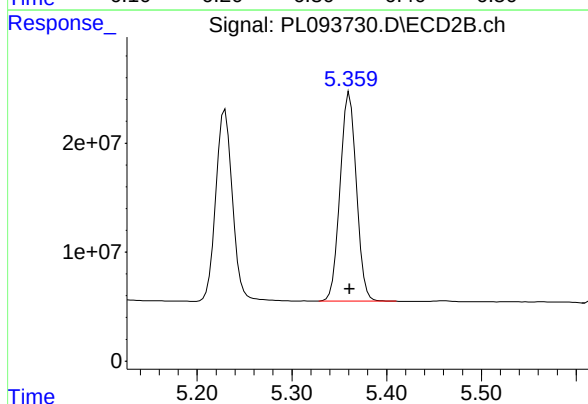
R.T.: 5.230 min  
Delta R.T.: 0.000 min  
Response: 212682331  
Conc: 50.00 ng/ml



#13 Dieldrin

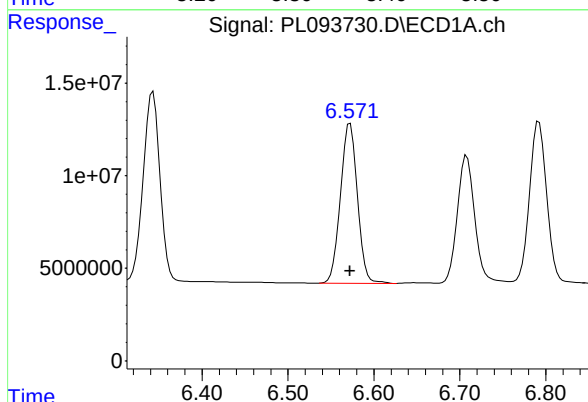
R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 139409444  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



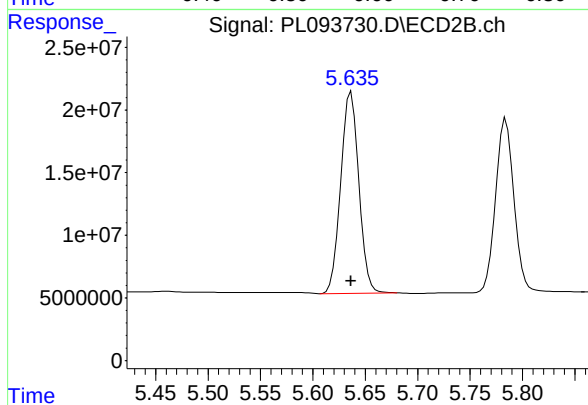
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 227678389  
Conc: 50.00 ng/ml



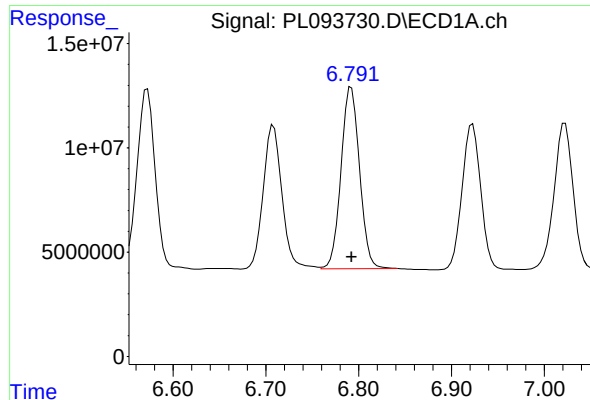
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 118161114  
Conc: 50.00 ng/ml



#14 Endrin

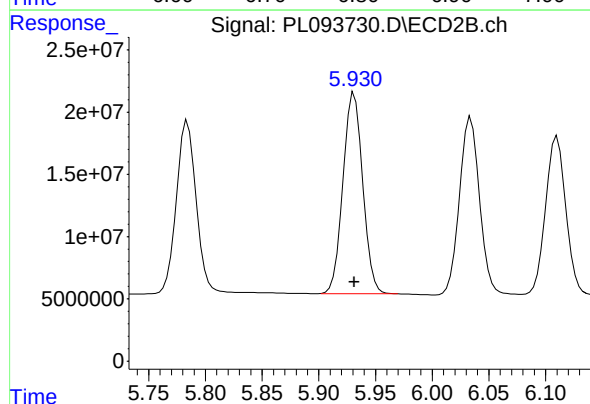
R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 193536252  
Conc: 50.00 ng/ml



#15 Endosulfan II

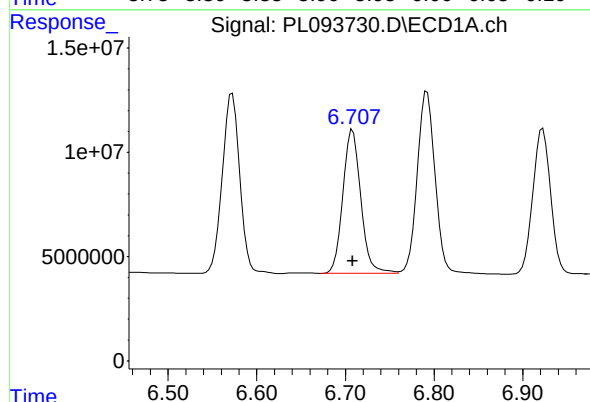
R.T.: 6.792 min  
Delta R.T.: 0.000 min  
Response: 120697329  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



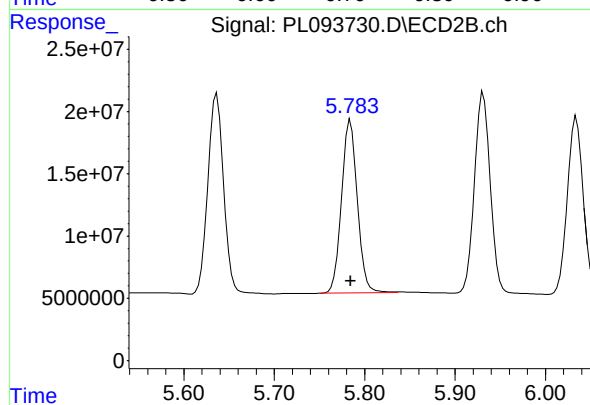
#15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 195648200  
Conc: 50.00 ng/ml



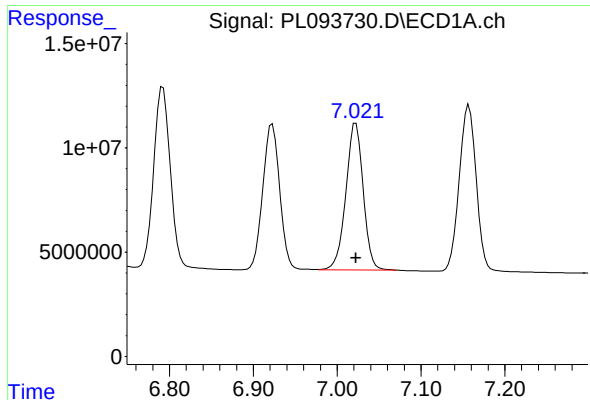
#16 4,4'-DDD

R.T.: 6.708 min  
Delta R.T.: 0.000 min  
Response: 96633741  
Conc: 50.00 ng/ml



#16 4,4'-DDD

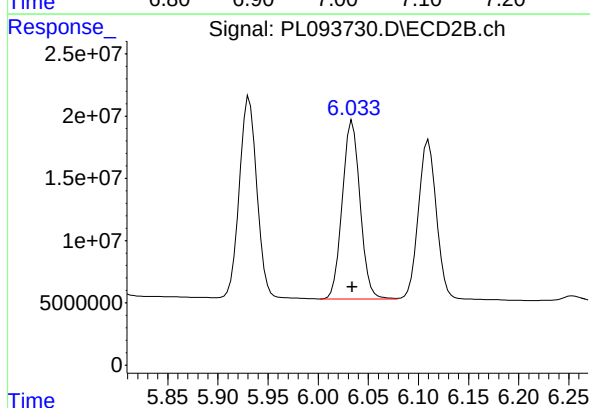
R.T.: 5.784 min  
Delta R.T.: 0.000 min  
Response: 168957879  
Conc: 50.00 ng/ml



#17 4,4'-DDT

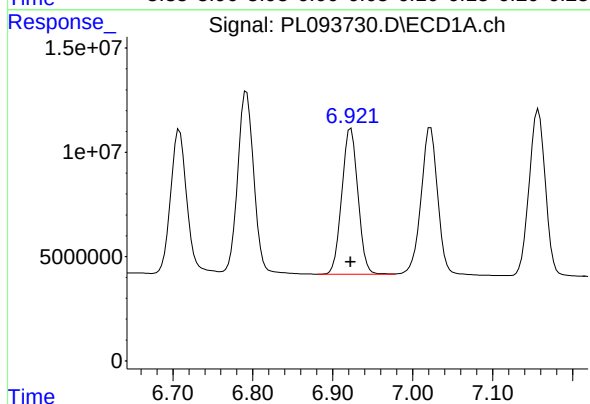
R.T.: 7.022 min  
Delta R.T.: 0.000 min  
Response: 100835874  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



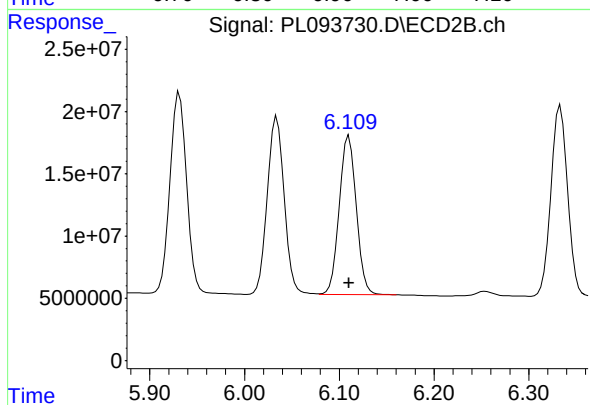
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 177142802  
Conc: 50.00 ng/ml



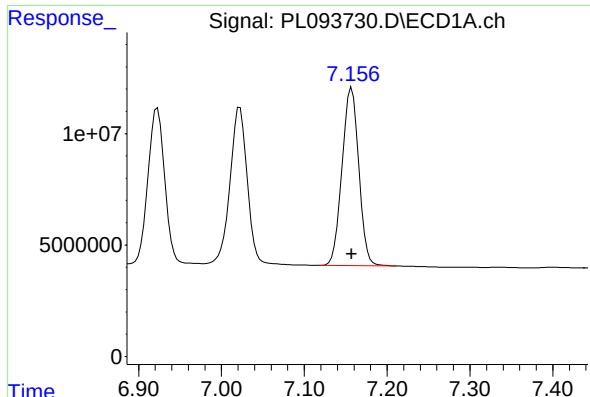
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 97948460  
Conc: 50.00 ng/ml



#18 Endrin aldehyde

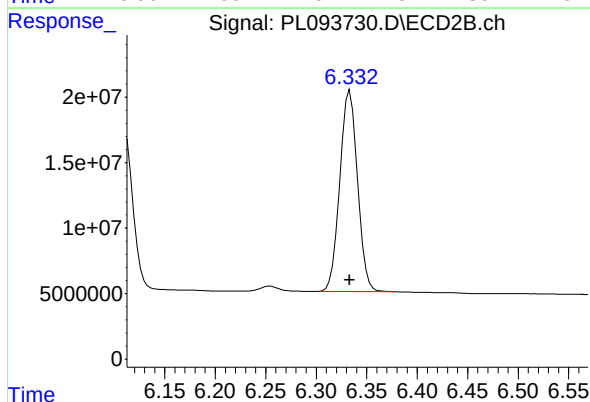
R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 159171518  
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

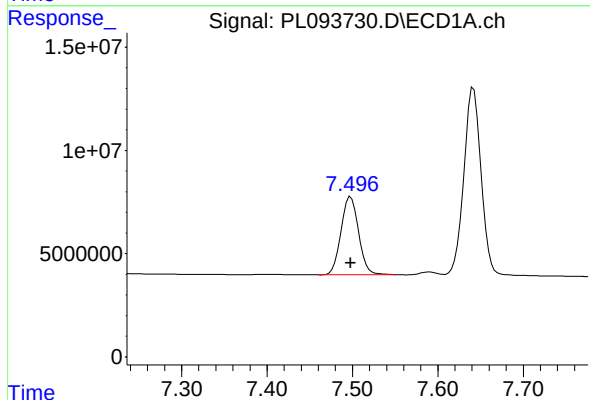
R.T.: 7.157 min  
Delta R.T.: 0.000 min  
Response: 112428845  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



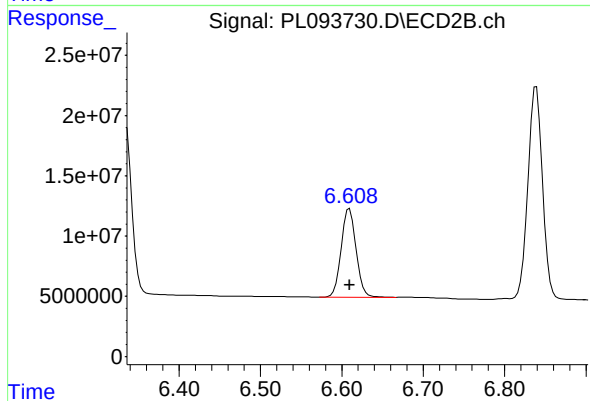
#19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 187851270  
Conc: 50.00 ng/ml



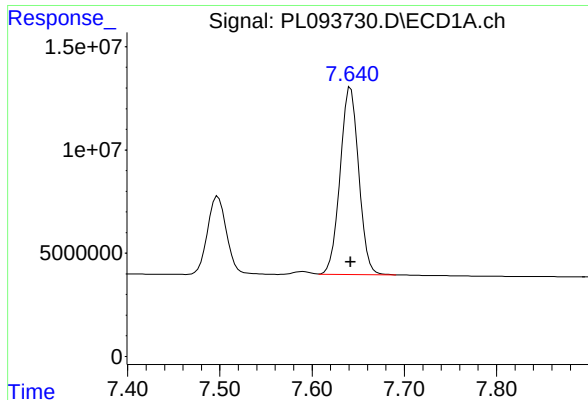
#20 Methoxychlor

R.T.: 7.498 min  
Delta R.T.: 0.000 min  
Response: 54018493  
Conc: 50.00 ng/ml



#20 Methoxychlor

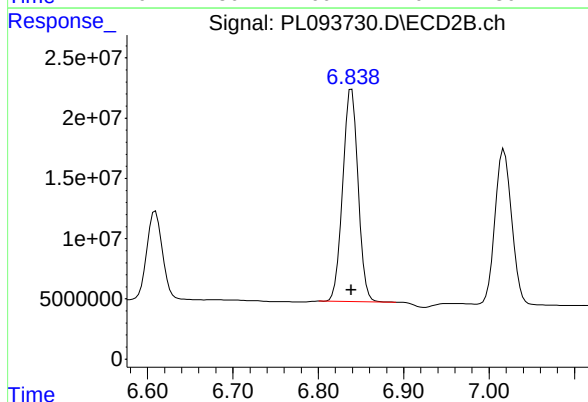
R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 93520516  
Conc: 50.00 ng/ml



#21 Endrin ketone

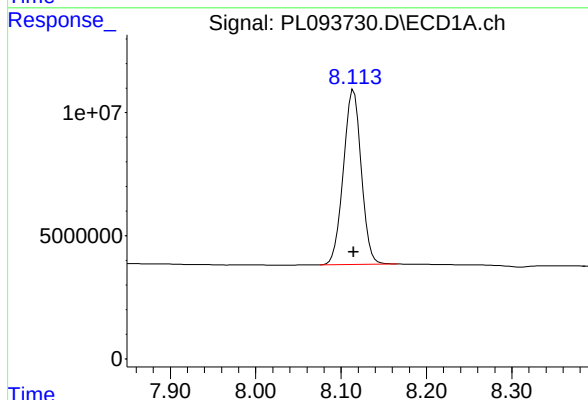
R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 126985241  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



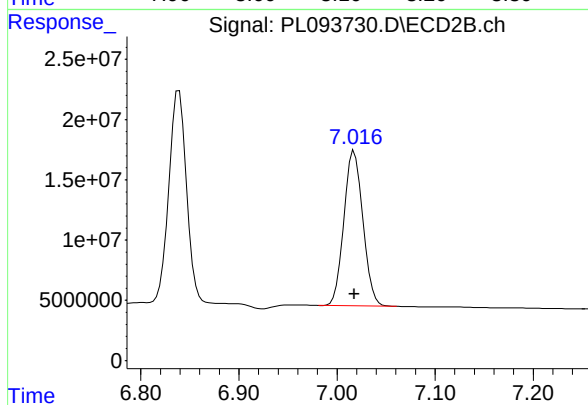
#21 Endrin ketone

R.T.: 6.839 min  
Delta R.T.: 0.000 min  
Response: 220004203  
Conc: 50.00 ng/ml



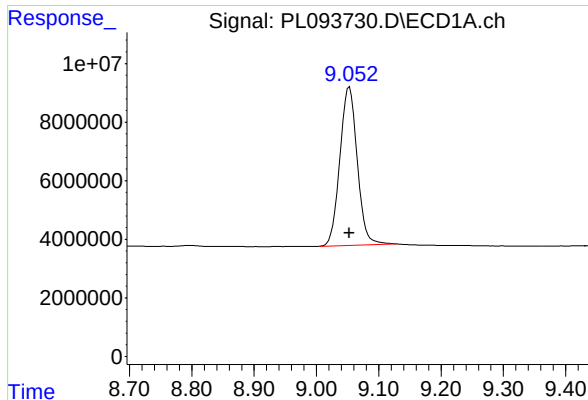
#22 Mirex

R.T.: 8.115 min  
Delta R.T.: 0.000 min  
Response: 103275089  
Conc: 50.00 ng/ml



#22 Mirex

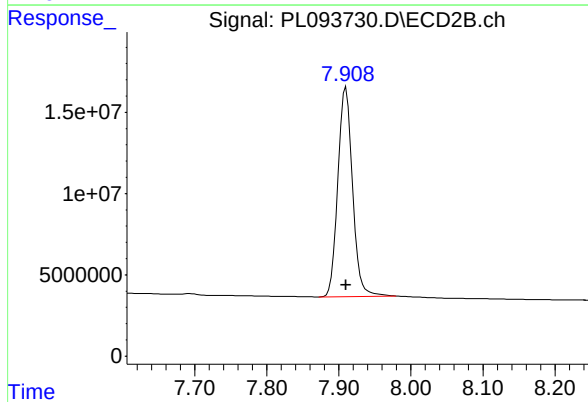
R.T.: 7.018 min  
Delta R.T.: 0.000 min  
Response: 173654301  
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: 0.000 min  
Response: 104915987  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.000 min  
Response: 181351234  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093731.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 11:38  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 13:59:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 13:52:59 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...          | 3.539 | 2.774 | 64887383 | 76654930 | 25.606 | 24.213 |
| 28) SA Decachlor...         | 9.052 | 7.909 | 50461717 | 83015469 | 26.208 | 24.840 |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.995 | 3.276 | 89070727 | 112.0E6  | 24.556 | 23.055 |
| 3) MA gamma-BHC...          | 4.327 | 3.607 | 86520755 | 109.6E6  | 24.821 | 23.349 |
| 4) MA Heptachlor            | 4.914 | 3.945 | 78602546 | 108.6E6  | 25.575 | 23.892 |
| 5) MB Aldrin                | 5.256 | 4.224 | 77491525 | 105.6E6  | 25.379 | 23.546 |
| 6) B beta-BHC               | 4.525 | 3.907 | 37722252 | 47243605 | 25.509 | 24.644 |
| 7) B delta-BHC              | 4.772 | 4.135 | 82584367 | 109.2E6  | 24.767 | 23.218 |
| 8) B Heptachlo...           | 5.683 | 4.726 | 70895850 | 98198954 | 25.936 | 24.060 |
| 9) A Endosulfan I           | 6.068 | 5.096 | 63215335 | 90882897 | 25.885 | 24.027 |
| 10) B gamma-Chl...          | 5.939 | 4.976 | 66959715 | 98387231 | 25.700 | 23.747 |
| 11) B alpha-Chl...          | 6.017 | 5.040 | 66664408 | 97870181 | 25.711 | 23.932 |
| 12) B 4,4'-DDE              | 6.191 | 5.229 | 58039701 | 93725344 | 25.344 | 23.876 |
| 13) MA Dieldrin             | 6.343 | 5.360 | 65983515 | 98970864 | 25.563 | 23.595 |
| 14) MA Endrin               | 6.572 | 5.636 | 55464000 | 85153560 | 25.436 | 23.710 |
| 15) B Endosulfa...          | 6.793 | 5.931 | 57195569 | 87112831 | 25.745 | 24.134 |
| 16) A 4,4'-DDD              | 6.708 | 5.784 | 45068086 | 72761634 | 25.477 | 23.324 |
| 17) MA 4,4'-DDT             | 7.022 | 6.034 | 47678056 | 76172310 | 25.612 | 23.370 |
| 18) B Endrin al...          | 6.923 | 6.110 | 47414192 | 72307343 | 26.251 | 24.600 |
| 19) B Endosulfa...          | 7.157 | 6.333 | 54762628 | 83706831 | 26.369 | 24.145 |
| 20) A Methoxychlor          | 7.498 | 6.609 | 25502321 | 41095325 | 25.958 | 24.173 |
| 21) B Endrin ke...          | 7.642 | 6.838 | 60347677 | 97684233 | 25.801 | 24.188 |
| 22) Mirex                   | 8.115 | 7.018 | 50874505 | 81084696 | 26.652 | 25.185 |

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

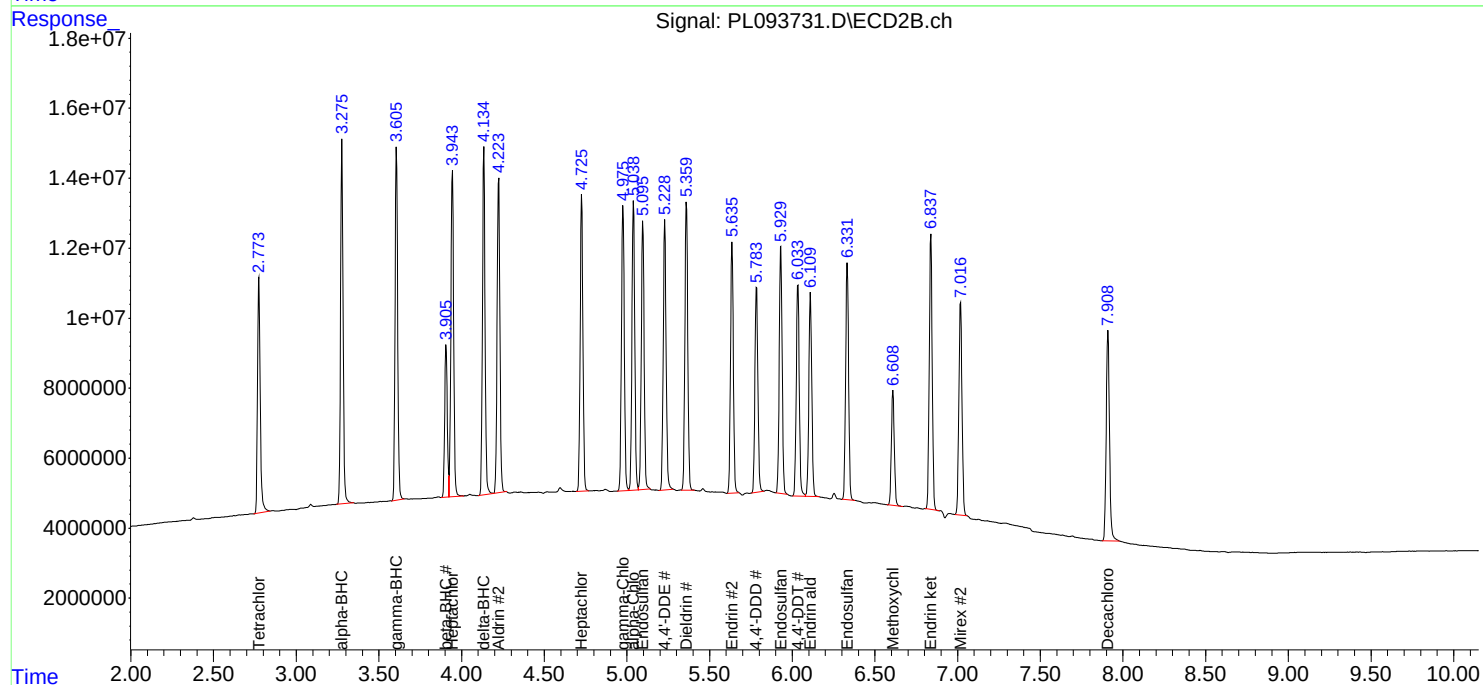
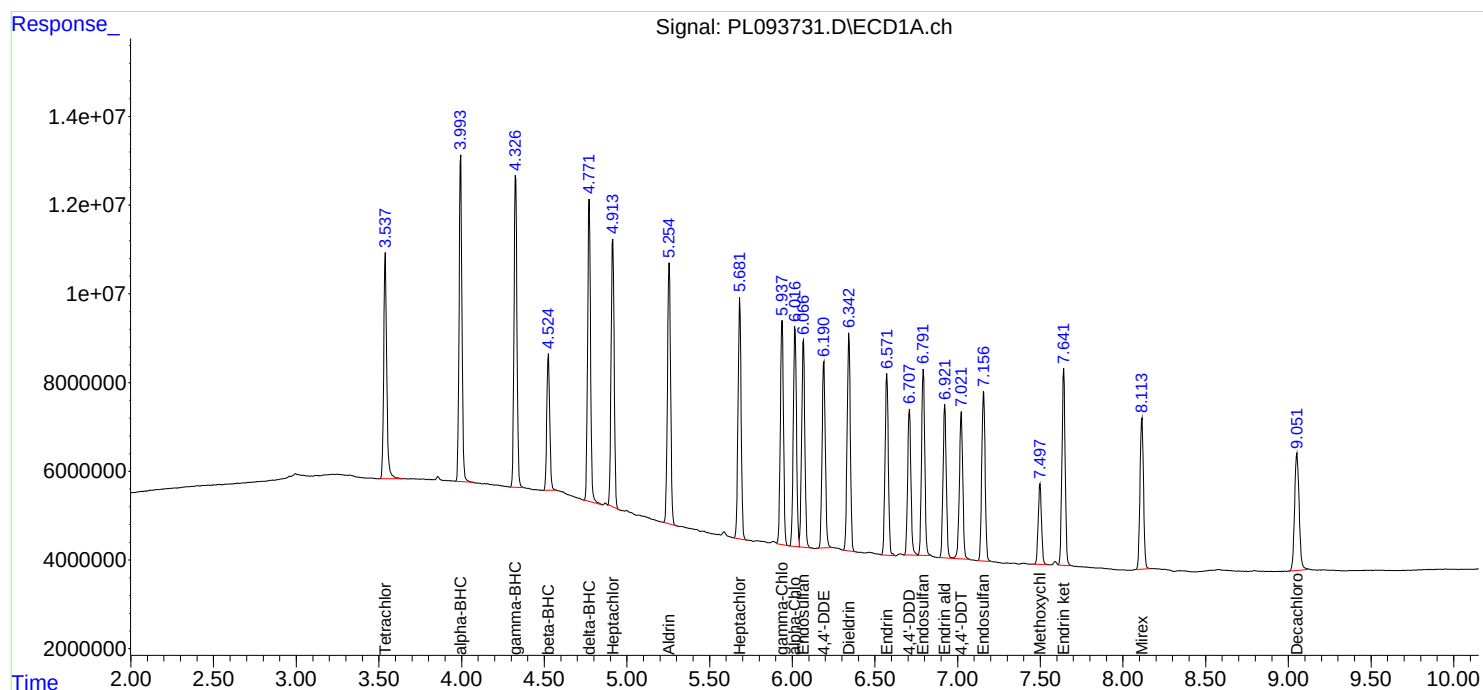


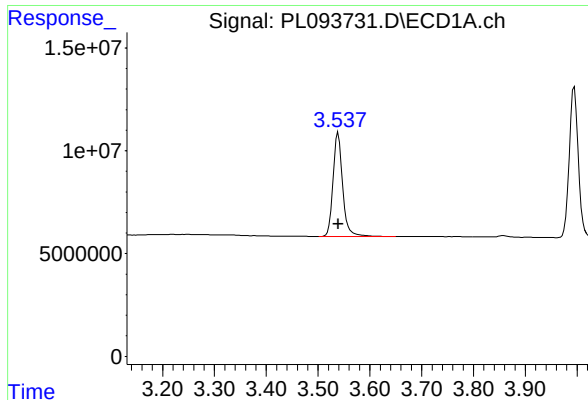
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093731.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 11:38  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 13:59:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 13:52:59 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

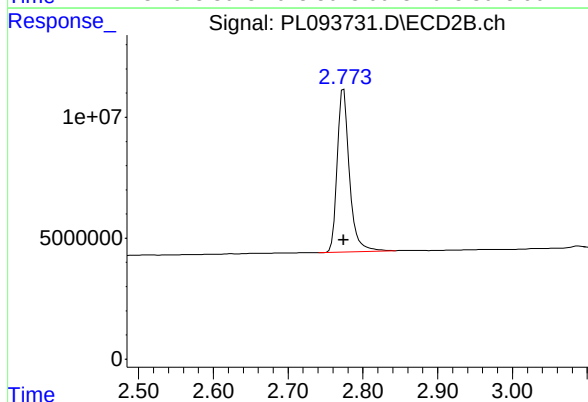




## #1 Tetrachloro-m-xylene

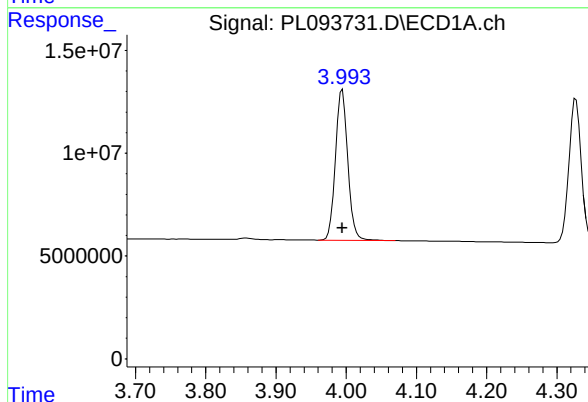
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 64887383  
Conc: 25.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



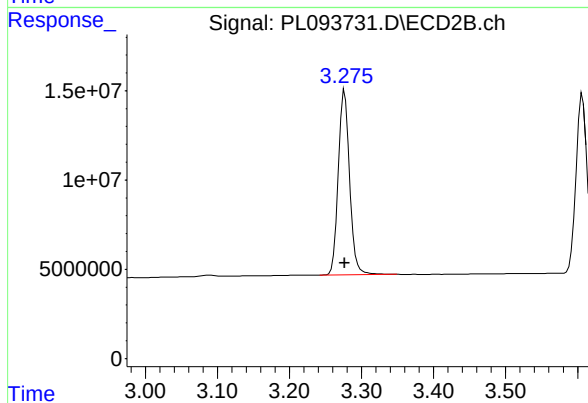
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 76654930  
Conc: 24.21 ng/ml



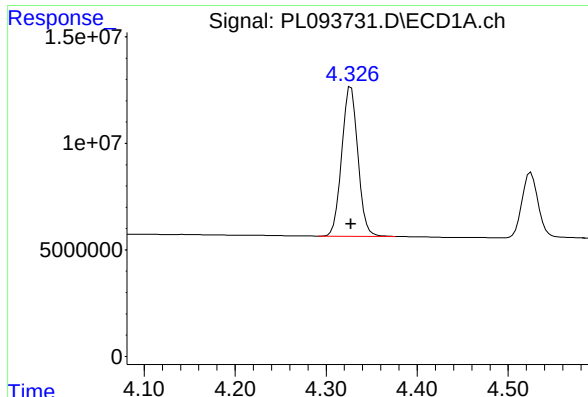
## #2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 89070727  
Conc: 24.56 ng/ml



## #2 alpha-BHC

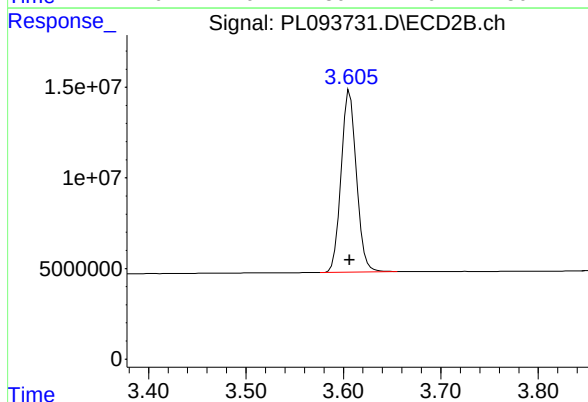
R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 112018157  
Conc: 23.06 ng/ml



#3 gamma-BHC (Lindane)

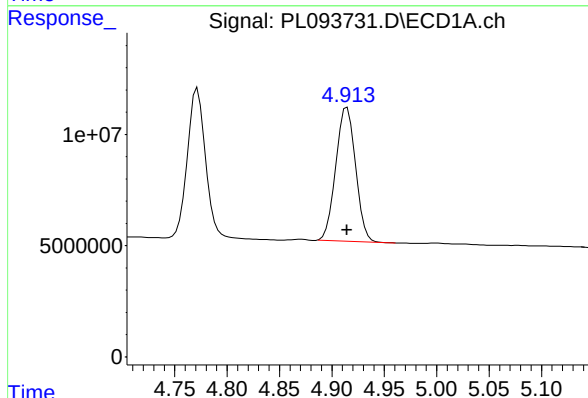
R.T.: 4.327 min  
Delta R.T.: 0.000 min  
Response: 86520755  
Conc: 24.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



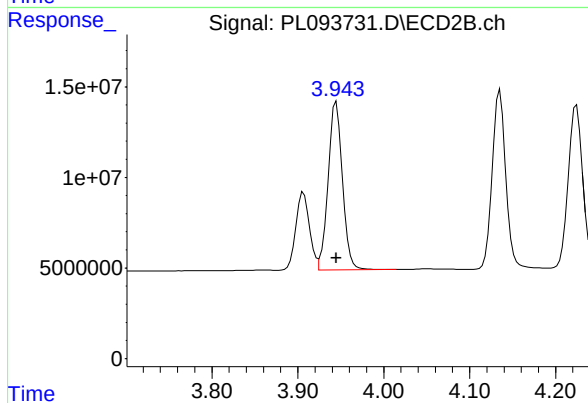
#3 gamma-BHC (Lindane)

R.T.: 3.607 min  
Delta R.T.: 0.000 min  
Response: 109620260  
Conc: 23.35 ng/ml



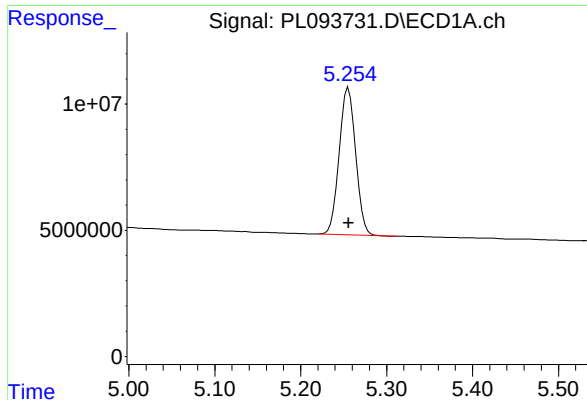
#4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 78602546  
Conc: 25.58 ng/ml



#4 Heptachlor

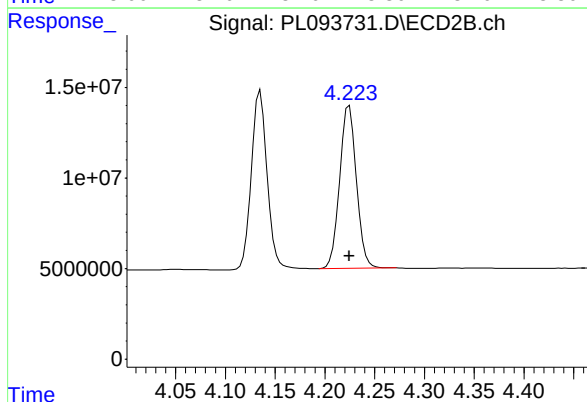
R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 108649410  
Conc: 23.89 ng/ml



#5 Aldrin

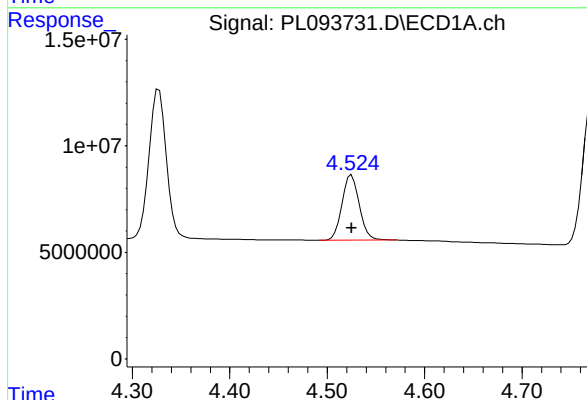
R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 77491525  
Conc: 25.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



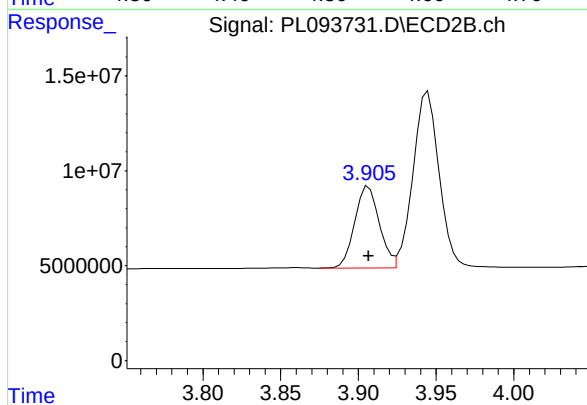
#5 Aldrin

R.T.: 4.224 min  
Delta R.T.: 0.000 min  
Response: 105561790  
Conc: 23.55 ng/ml



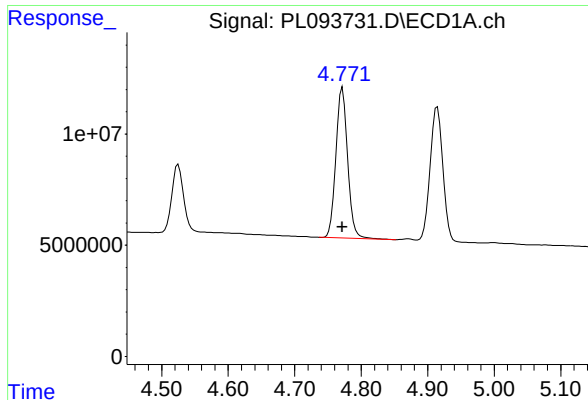
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 37722252  
Conc: 25.51 ng/ml



#6 beta-BHC

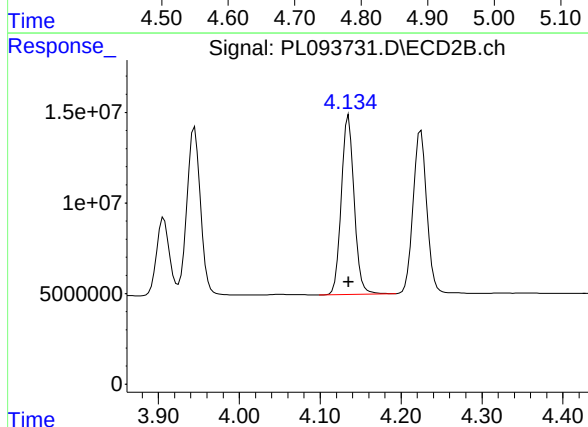
R.T.: 3.907 min  
Delta R.T.: 0.000 min  
Response: 47243605  
Conc: 24.64 ng/ml



#7 delta-BHC

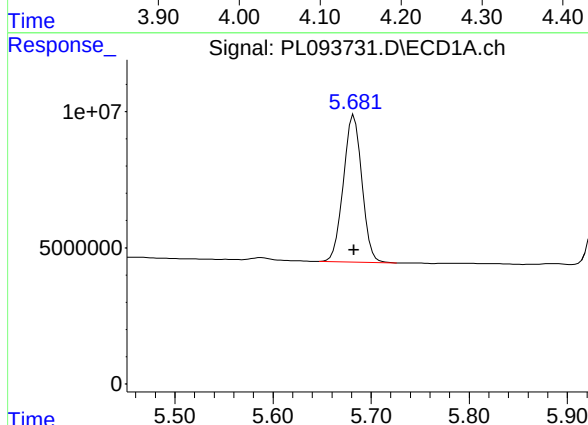
R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 82584367  
Conc: 24.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



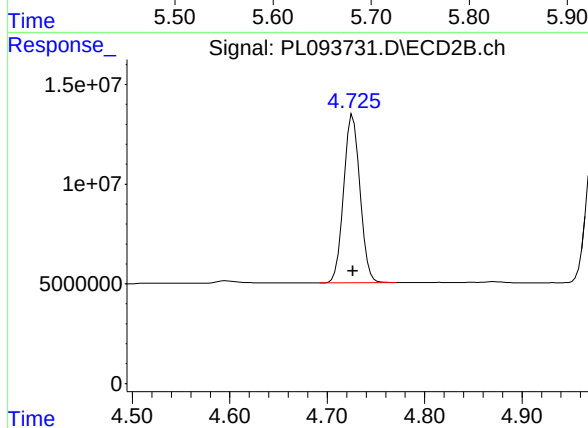
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 109220381  
Conc: 23.22 ng/ml



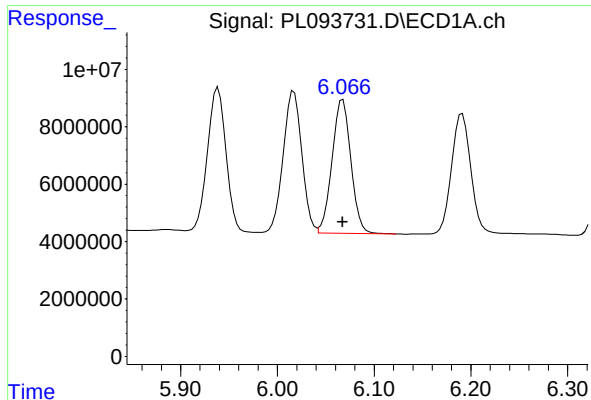
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 70895850  
Conc: 25.94 ng/ml



#8 Heptachlor epoxide

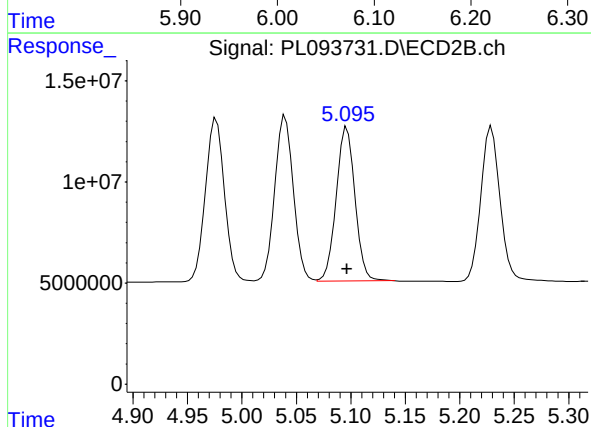
R.T.: 4.726 min  
Delta R.T.: 0.000 min  
Response: 98198954  
Conc: 24.06 ng/ml



#9 Endosulfan I

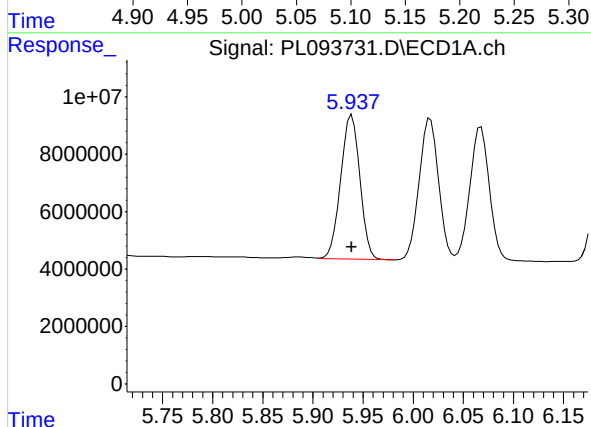
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 63215335  
Conc: 25.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



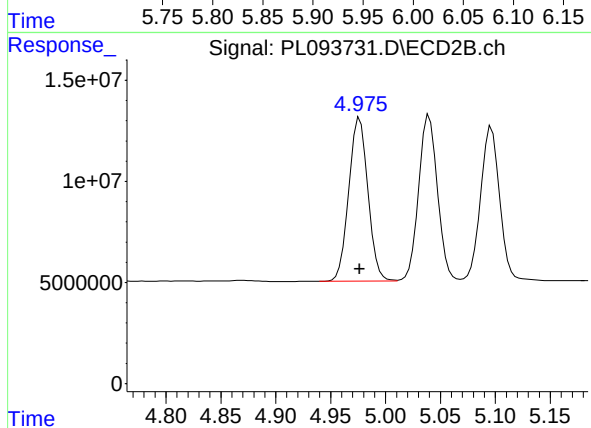
#9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 90882897  
Conc: 24.03 ng/ml



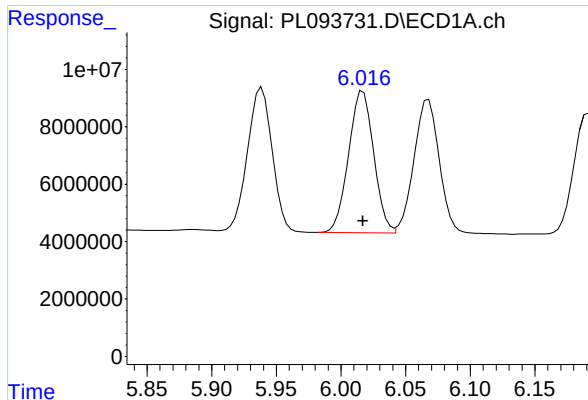
#10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 66959715  
Conc: 25.70 ng/ml



#10 gamma-Chlordane

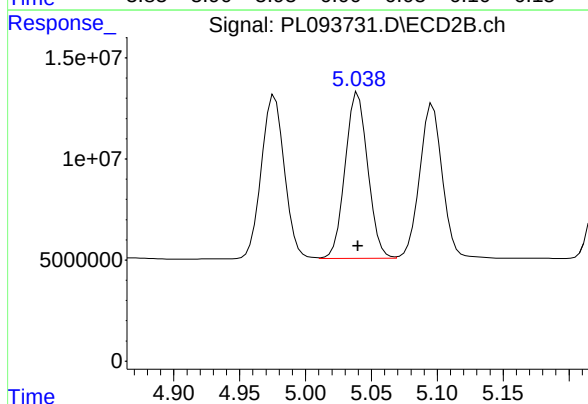
R.T.: 4.976 min  
Delta R.T.: 0.000 min  
Response: 98387231  
Conc: 23.75 ng/ml



#11 alpha-Chlordane

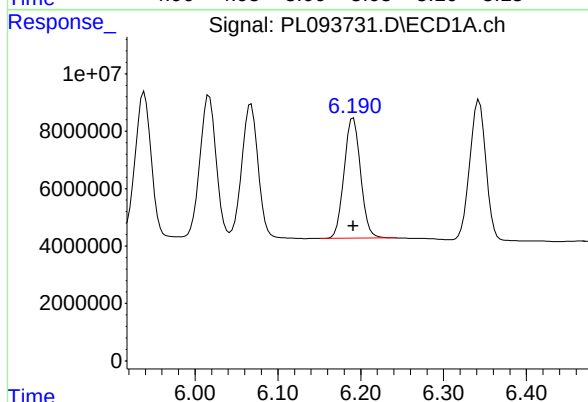
R.T.: 6.017 min  
Delta R.T.: 0.000 min  
Response: 66664408  
Conc: 25.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



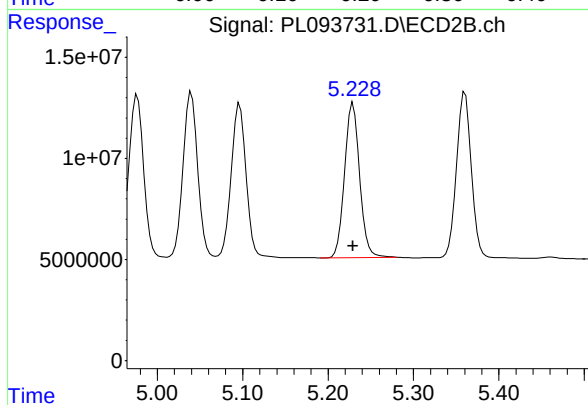
#11 alpha-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 97870181  
Conc: 23.93 ng/ml



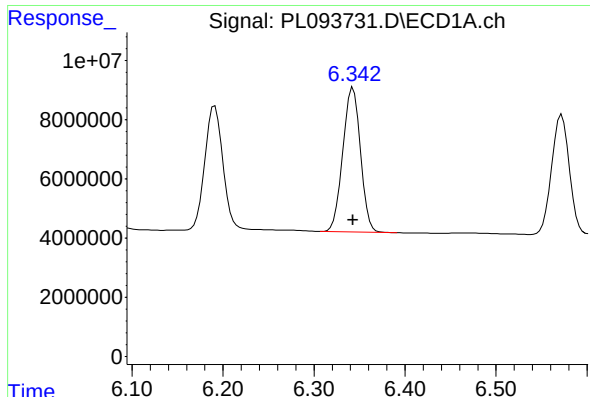
#12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 58039701  
Conc: 25.34 ng/ml



#12 4,4'-DDE

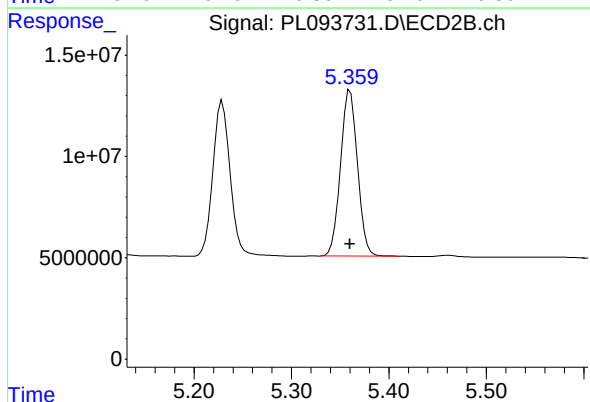
R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 93725344  
Conc: 23.88 ng/ml



#13 Dieldrin

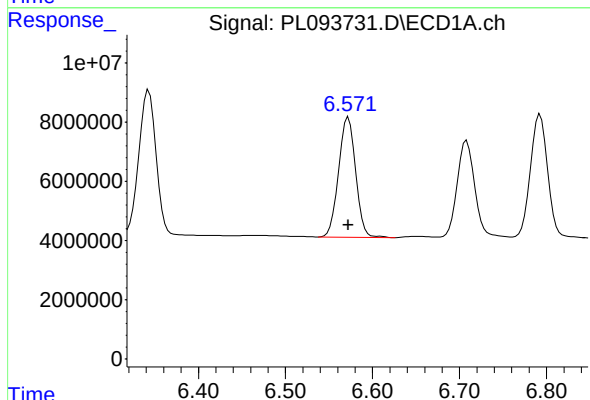
R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 65983515  
Conc: 25.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



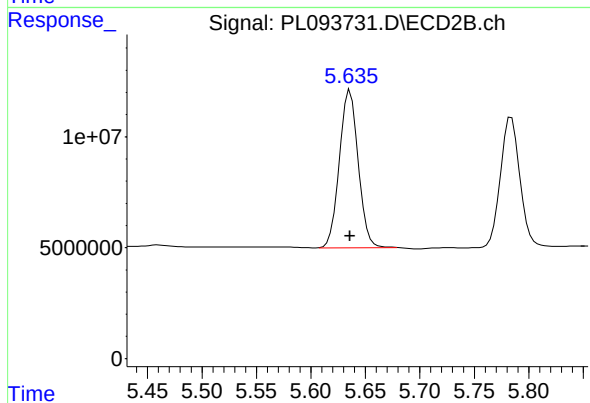
#13 Dieldrin

R.T.: 5.360 min  
Delta R.T.: 0.000 min  
Response: 98970864  
Conc: 23.59 ng/ml



#14 Endrin

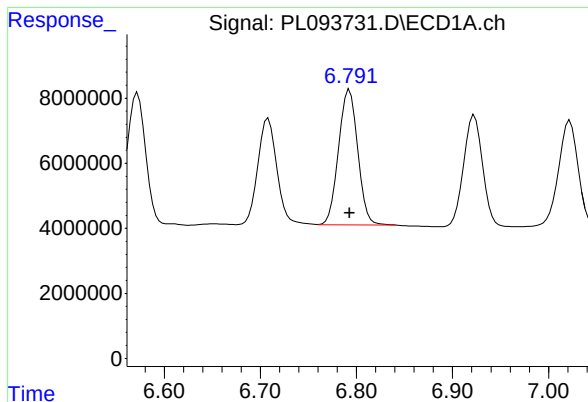
R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 55464000  
Conc: 25.44 ng/ml



#14 Endrin

R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 85153560  
Conc: 23.71 ng/ml

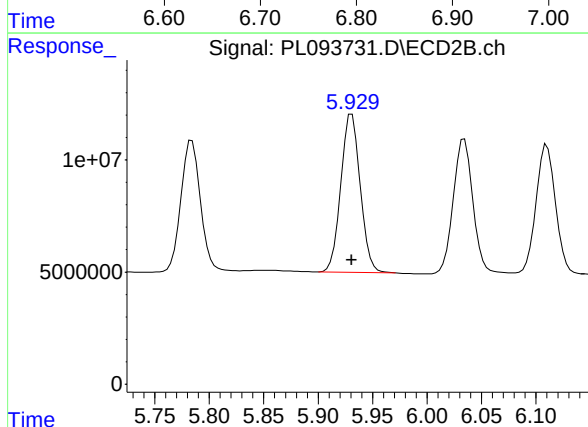




#15 Endosulfan II

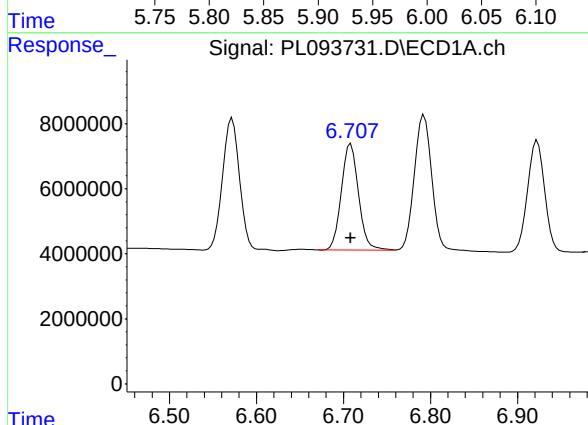
R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 57195569  
Conc: 25.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



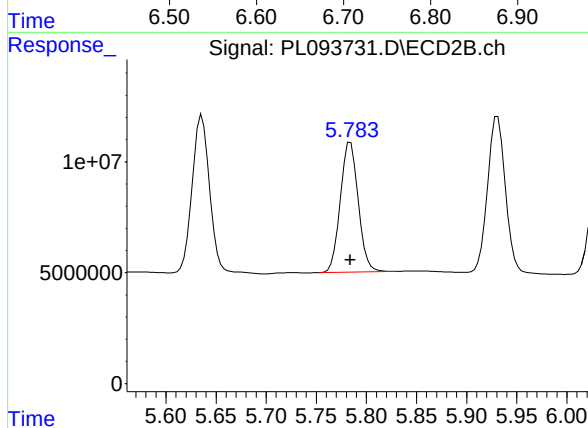
#15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 87112831  
Conc: 24.13 ng/ml



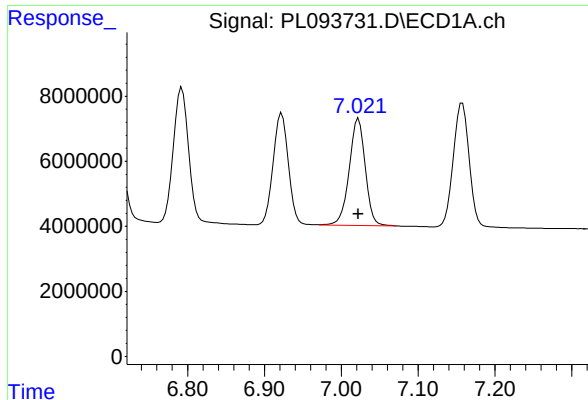
#16 4,4'-DDD

R.T.: 6.708 min  
Delta R.T.: 0.000 min  
Response: 45068086  
Conc: 25.48 ng/ml



#16 4,4'-DDD

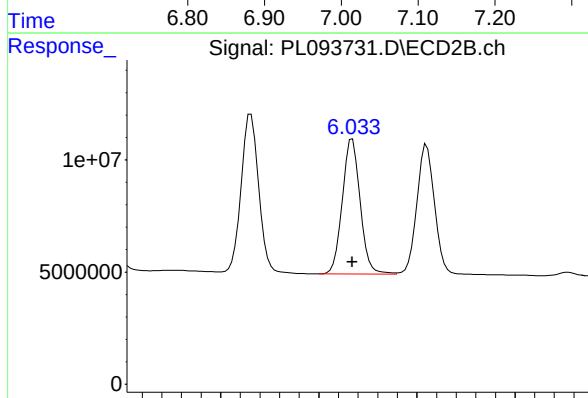
R.T.: 5.784 min  
Delta R.T.: 0.000 min  
Response: 72761634  
Conc: 23.32 ng/ml



#17 4,4'-DDT

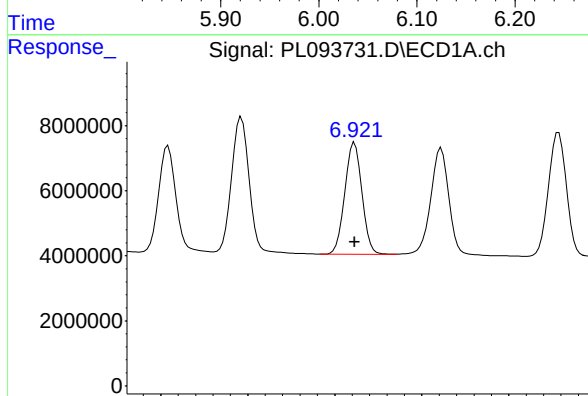
R.T.: 7.022 min  
Delta R.T.: 0.000 min  
Response: 47678056  
Conc: 25.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



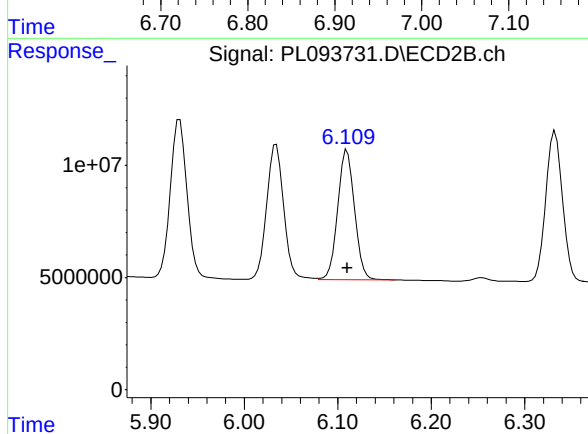
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 76172310  
Conc: 23.37 ng/ml



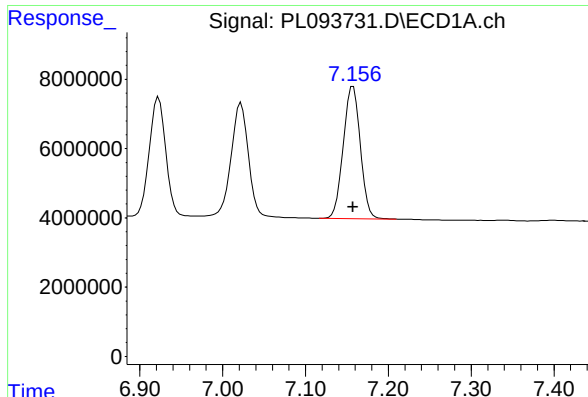
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 47414192  
Conc: 26.25 ng/ml



#18 Endrin aldehyde

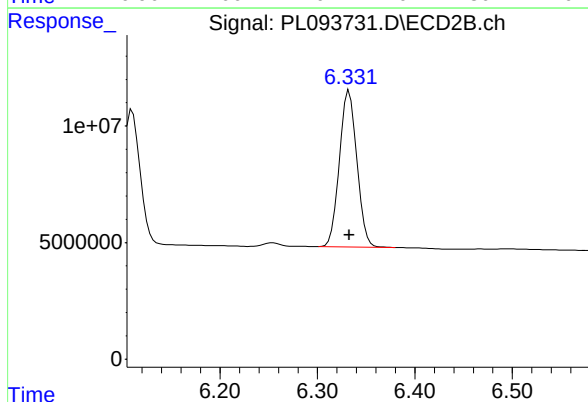
R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 72307343  
Conc: 24.60 ng/ml



#19 Endosulfan Sulfate

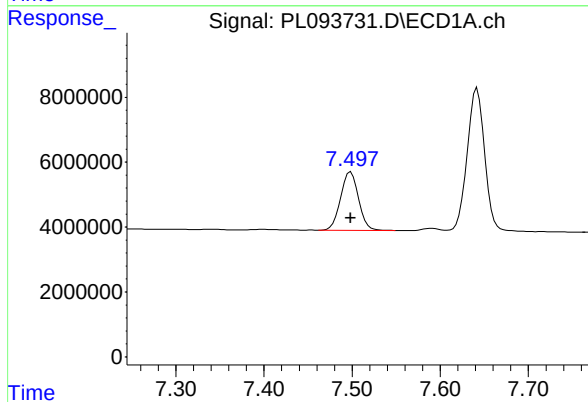
R.T.: 7.157 min  
Delta R.T.: 0.000 min  
Response: 54762628  
Conc: 26.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



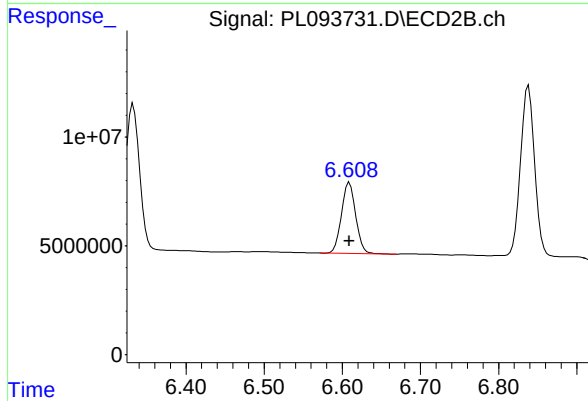
#19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 83706831  
Conc: 24.15 ng/ml



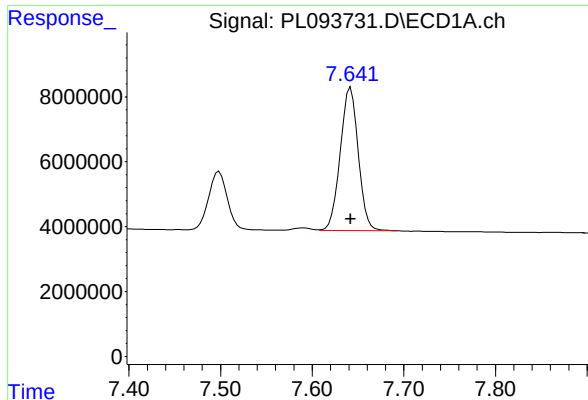
#20 Methoxychlor

R.T.: 7.498 min  
Delta R.T.: 0.000 min  
Response: 25502321  
Conc: 25.96 ng/ml



#20 Methoxychlor

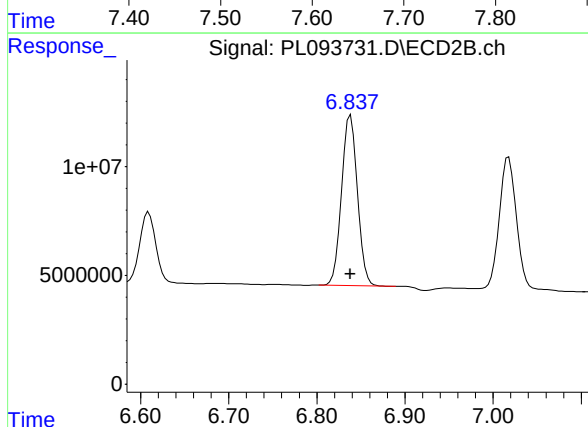
R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 41095325  
Conc: 24.17 ng/ml



#21 Endrin ketone

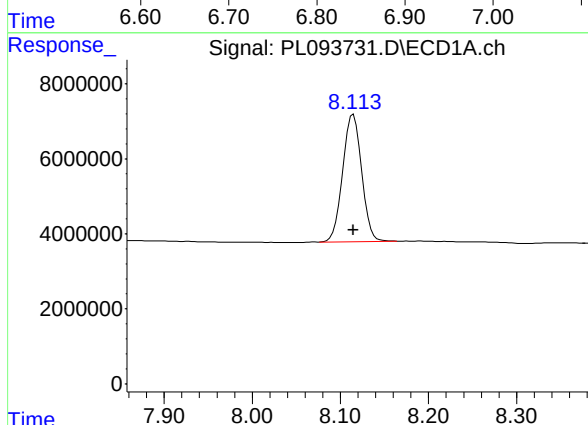
R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 60347677  
Conc: 25.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



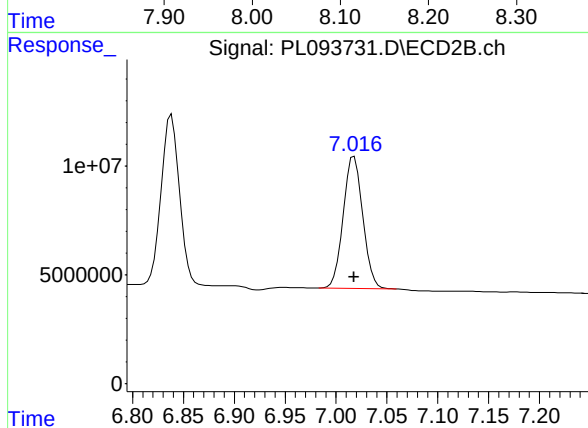
#21 Endrin ketone

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 97684233  
Conc: 24.19 ng/ml



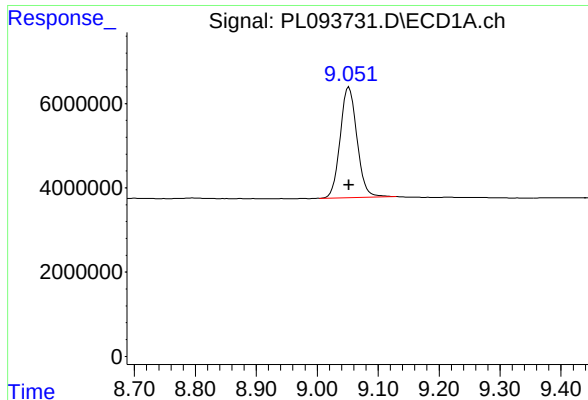
#22 Mirex

R.T.: 8.115 min  
Delta R.T.: 0.000 min  
Response: 50874505  
Conc: 26.65 ng/ml



#22 Mirex

R.T.: 7.018 min  
Delta R.T.: 0.000 min  
Response: 81084696  
Conc: 25.19 ng/ml

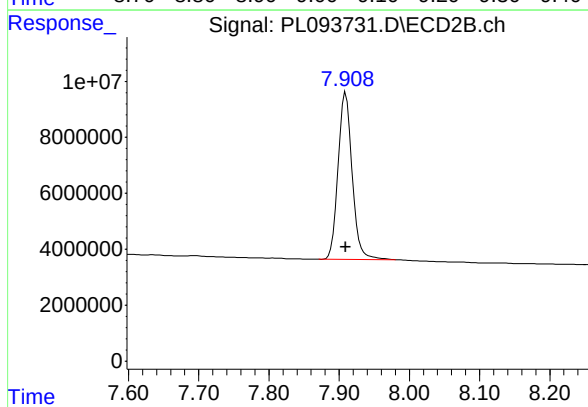


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.052 min  
Delta R.T.: 0.000 min  
Response: 50461717  
Conc: 26.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 83015469  
Conc: 24.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093732.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 11:51  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC005

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 14:01:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 13:52:59 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...          | 3.538 | 2.774 | 16637105 | 18287931 | 6.178 | 5.603 |
| 28) SA Decachlor...         | 9.052 | 7.909 | 13789093 | 20761045 | 6.592 | 5.925 |
| Target Compounds            |       |       |          |          |       |       |
| 2) A alpha-BHC              | 3.994 | 3.276 | 23301548 | 25051289 | 6.078 | 5.124 |
| 3) MA gamma-BHC...          | 4.326 | 3.606 | 22354233 | 24631359 | 6.070 | 5.195 |
| 4) MA Heptachlor            | 4.914 | 3.944 | 20465600 | 25421102 | 6.245 | 5.461 |
| 5) MB Aldrin                | 5.255 | 4.223 | 20732862 | 24380948 | 6.337 | 5.345 |
| 6) B beta-BHC               | 4.525 | 3.906 | 10607660 | 11595524 | 6.600 | 5.805 |
| 7) B delta-BHC              | 4.771 | 4.134 | 20943898 | 24697126 | 5.975 | 5.198 |
| 8) B Heptachlo...           | 5.682 | 4.726 | 19675106 | 22877181 | 6.616 | 5.473 |
| 9) A Endosulfan I           | 6.068 | 5.096 | 17228246 | 21272747 | 6.519 | 5.487 |
| 10) B gamma-Chl...          | 5.938 | 4.976 | 17575834 | 23077513 | 6.306 | 5.446 |
| 11) B alpha-Chl...          | 6.017 | 5.040 | 17853432 | 22874114 | 6.403 | 5.464 |
| 12) B 4,4'-DDE              | 6.191 | 5.229 | 15062588 | 21725638 | 6.187 | 5.419 |
| 13) MA Dieldrin             | 6.343 | 5.360 | 17771692 | 23498784 | 6.402 | 5.470 |
| 14) MA Endrin               | 6.573 | 5.635 | 15009439 | 20488065 | 6.401 | 5.548 |
| 15) B Endosulfa...          | 6.793 | 5.930 | 15801314 | 20403798 | 6.558 | 5.509 |
| 16) A 4,4'-DDD              | 6.708 | 5.783 | 12134151 | 16521614 | 6.385 | 5.234 |
| 17) MA 4,4'-DDT             | 7.022 | 6.034 | 12070833 | 16163358 | 6.121 | 4.967 |
| 18) B Endrin al...          | 6.922 | 6.110 | 12477919 | 17329206 | 6.418 | 5.692 |
| 19) B Endosulfa...          | 7.156 | 6.332 | 15057236 | 19816189 | 6.651 | 5.557 |
| 20) A Methoxychlor          | 7.498 | 6.609 | 6435643  | 10701964 | 6.168 | 5.985 |
| 21) B Endrin ke...          | 7.642 | 6.837 | 16285626 | 24108712 | 6.456 | 5.747 |
| 22) Mirex                   | 8.114 | 7.018 | 13884960 | 20156166 | 6.667 | 5.960 |
| -----                       |       |       |          |          |       |       |

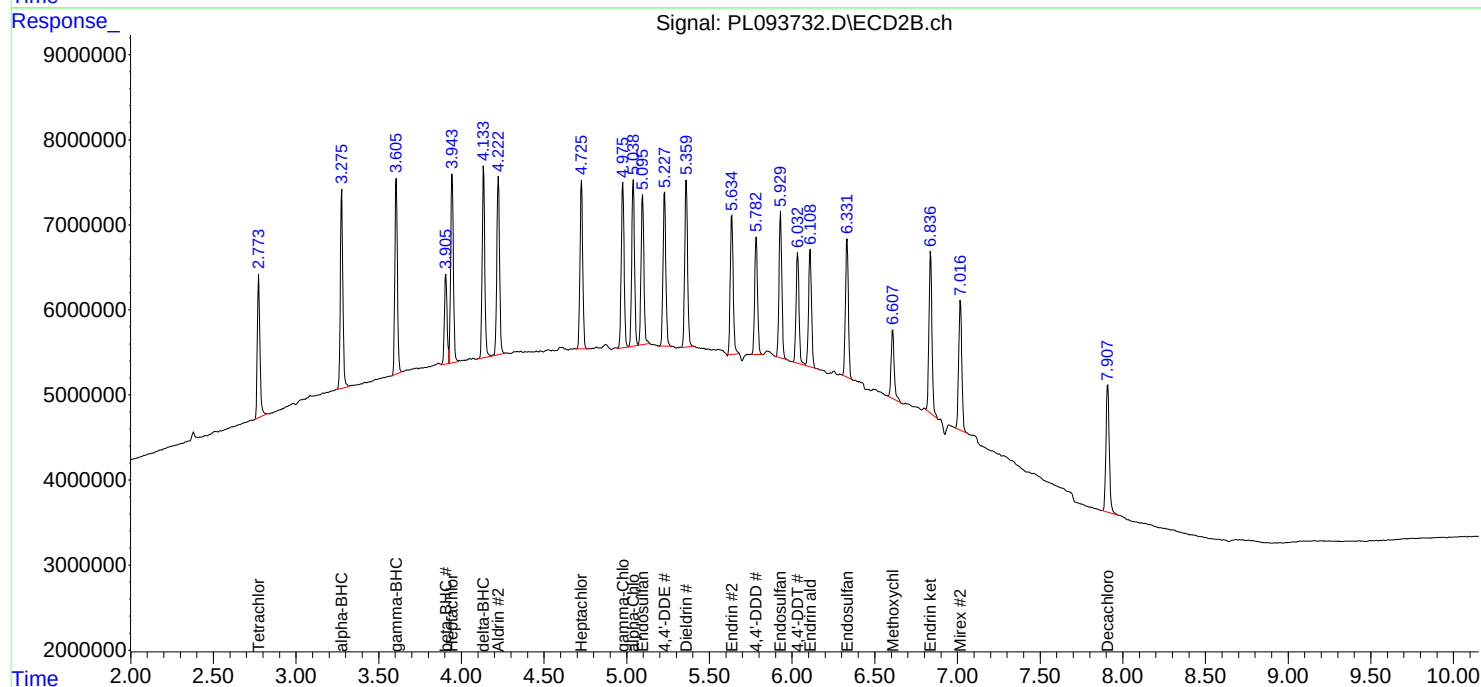
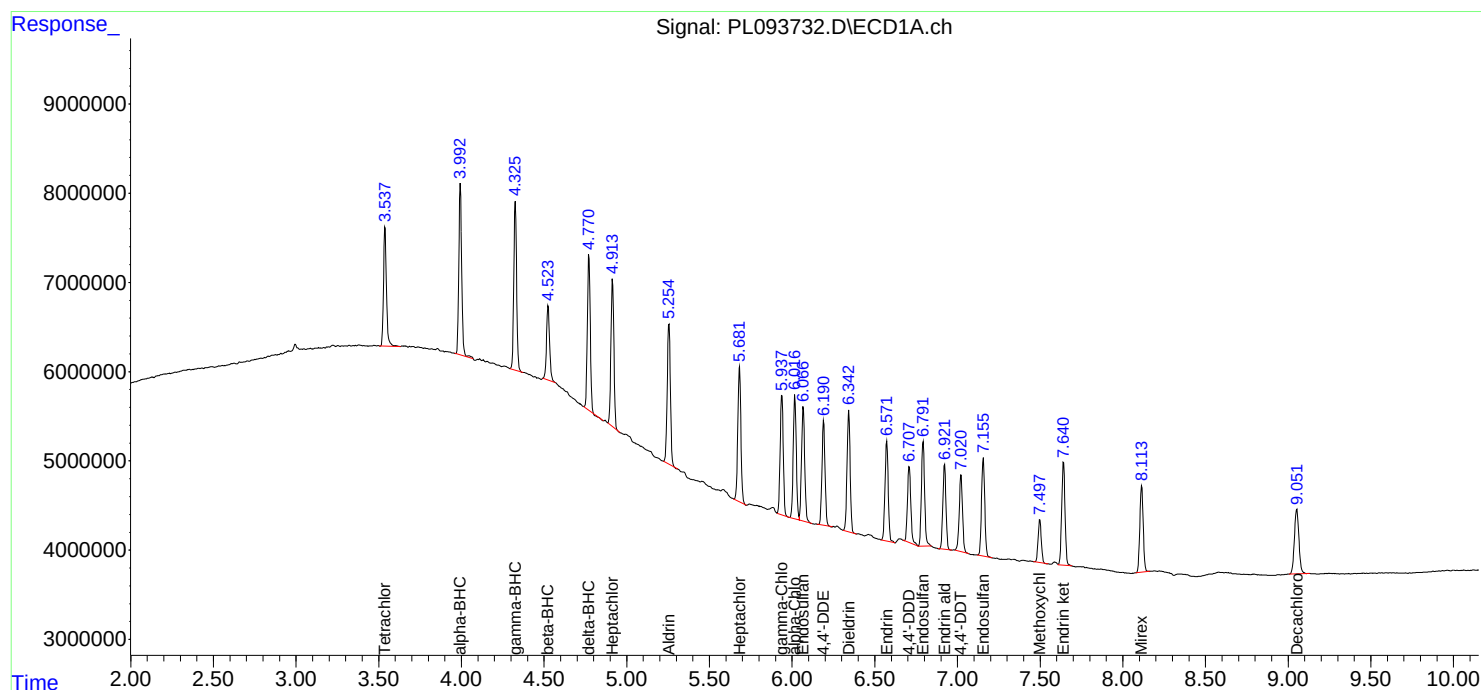
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

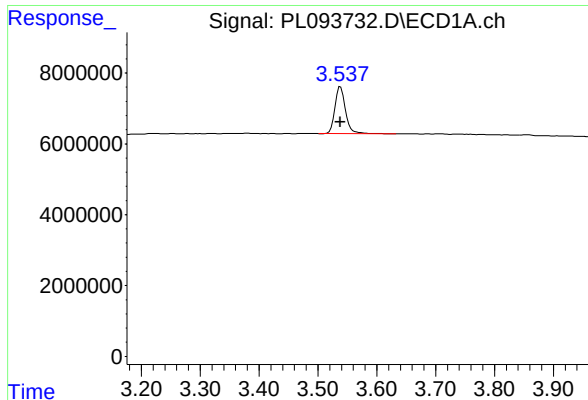
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093732.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 11:51  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 14:01:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 13:52:59 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

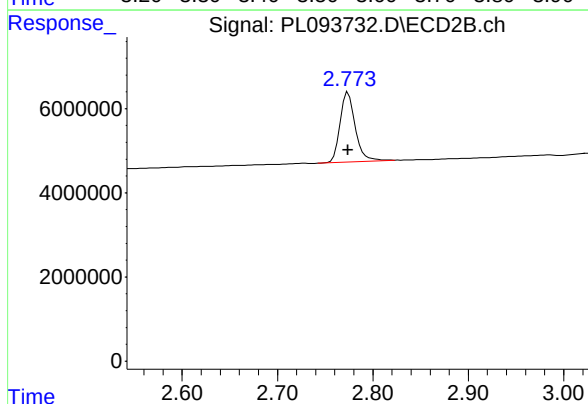




## #1 Tetrachloro-m-xylene

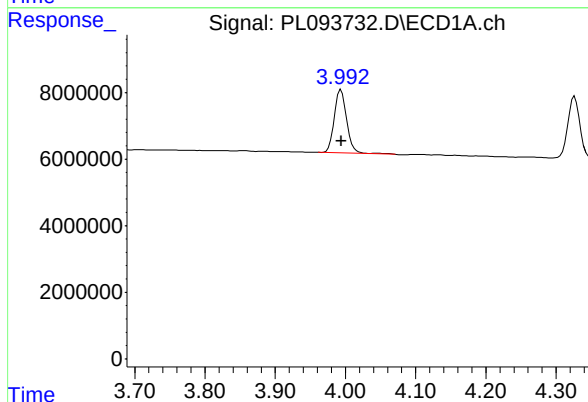
R.T.: 3.538 min  
Delta R.T.: 0.000 min  
Response: 16637105  
Conc: 6.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



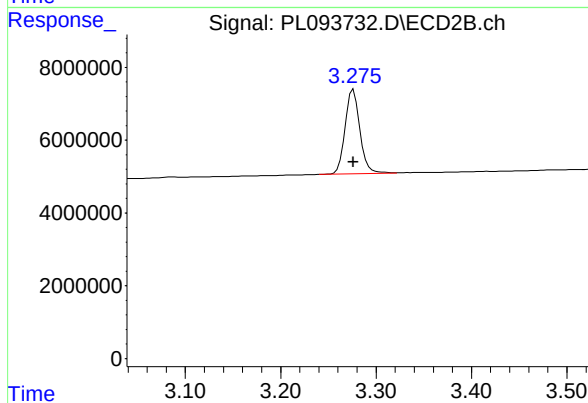
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 18287931  
Conc: 5.60 ng/ml



## #2 alpha-BHC

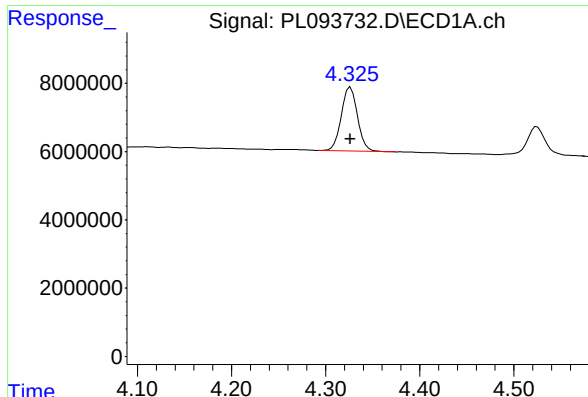
R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 23301548  
Conc: 6.08 ng/ml



## #2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 25051289  
Conc: 5.12 ng/ml

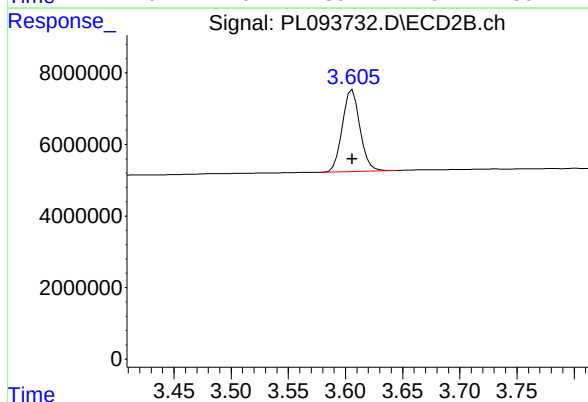




## #3 gamma-BHC (Lindane)

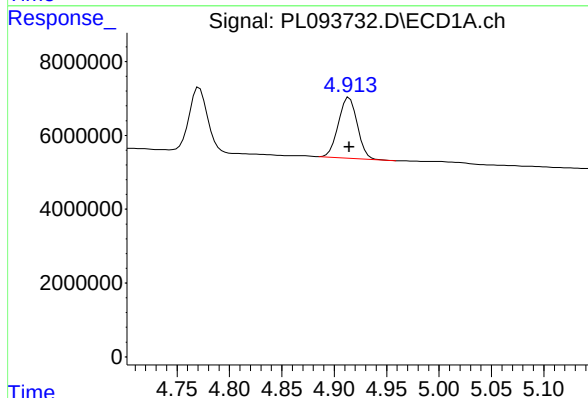
R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 22354233  
Conc: 6.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



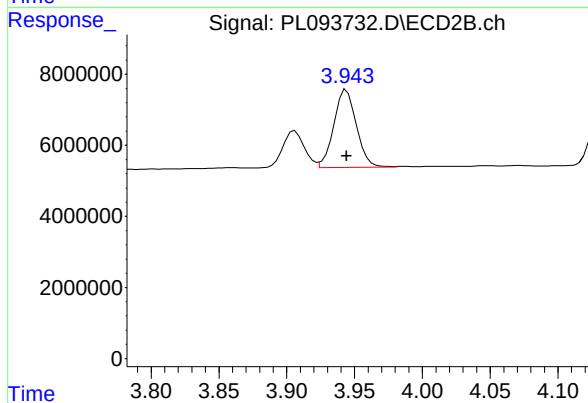
## #3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: 0.000 min  
Response: 24631359  
Conc: 5.20 ng/ml



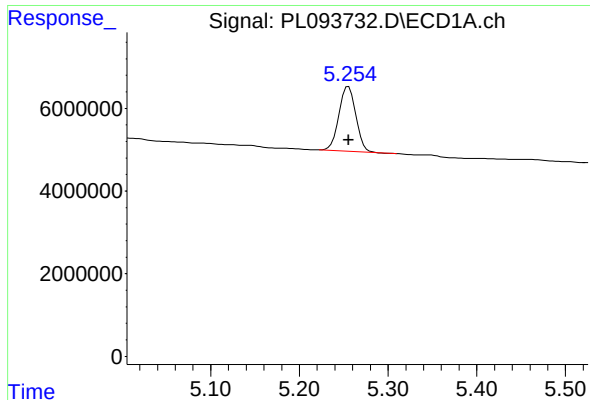
## #4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 20465600  
Conc: 6.24 ng/ml



## #4 Heptachlor

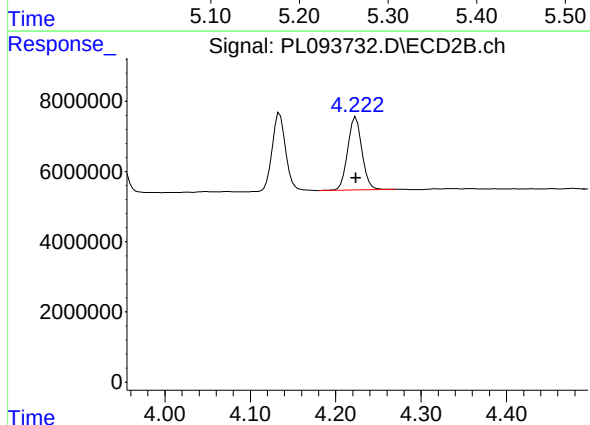
R.T.: 3.944 min  
Delta R.T.: 0.000 min  
Response: 25421102  
Conc: 5.46 ng/ml



#5 Aldrin

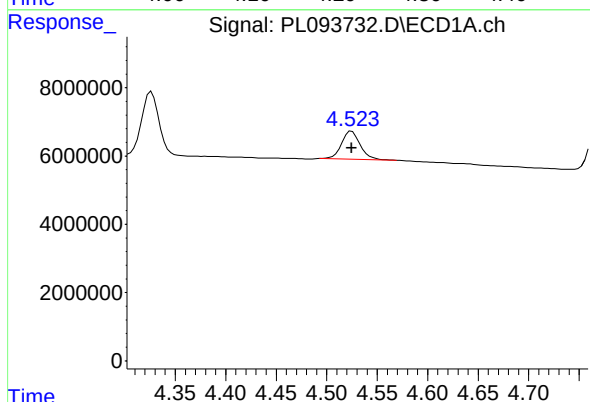
R.T.: 5.255 min  
Delta R.T.: 0.000 min  
Response: 20732862  
Conc: 6.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



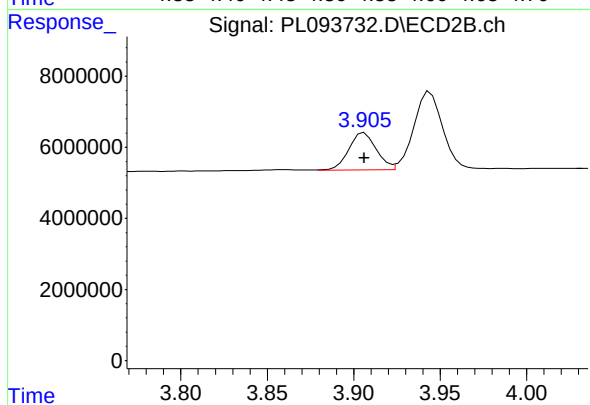
#5 Aldrin

R.T.: 4.223 min  
Delta R.T.: 0.000 min  
Response: 24380948  
Conc: 5.34 ng/ml



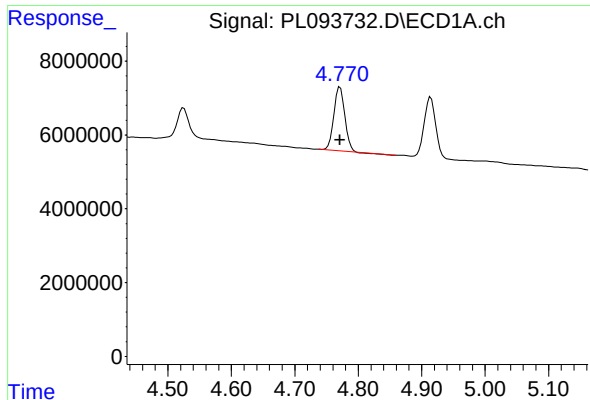
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 10607660  
Conc: 6.60 ng/ml



#6 beta-BHC

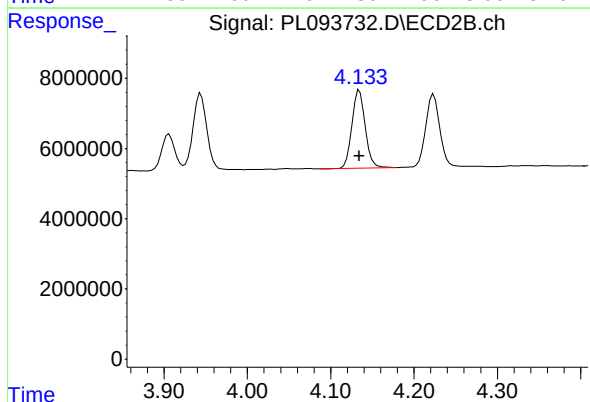
R.T.: 3.906 min  
Delta R.T.: 0.000 min  
Response: 11595524  
Conc: 5.81 ng/ml



#7 delta-BHC

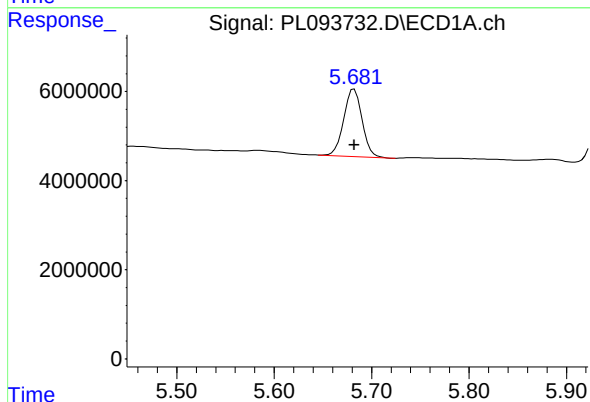
R.T.: 4.771 min  
Delta R.T.: 0.000 min  
Response: 20943898  
Conc: 5.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



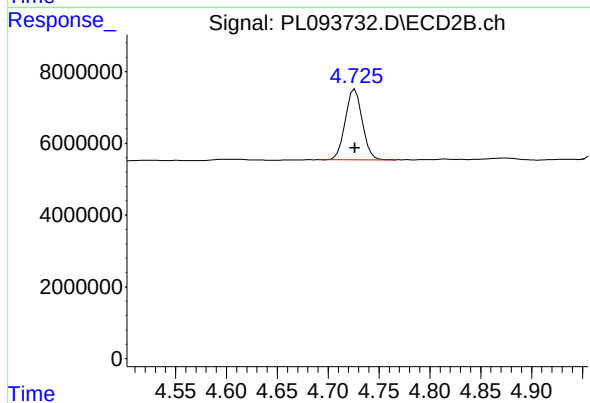
#7 delta-BHC

R.T.: 4.134 min  
Delta R.T.: 0.000 min  
Response: 24697126  
Conc: 5.20 ng/ml



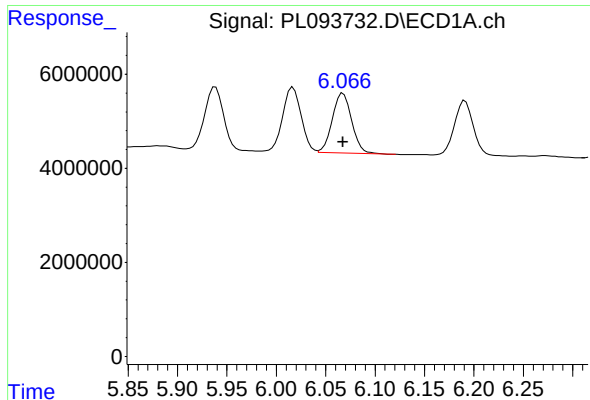
#8 Heptachlor epoxide

R.T.: 5.682 min  
Delta R.T.: 0.000 min  
Response: 19675106  
Conc: 6.62 ng/ml



#8 Heptachlor epoxide

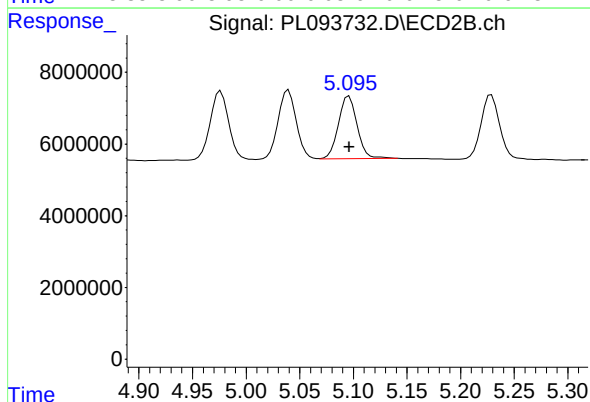
R.T.: 4.726 min  
Delta R.T.: 0.000 min  
Response: 22877181  
Conc: 5.47 ng/ml



#9 Endosulfan I

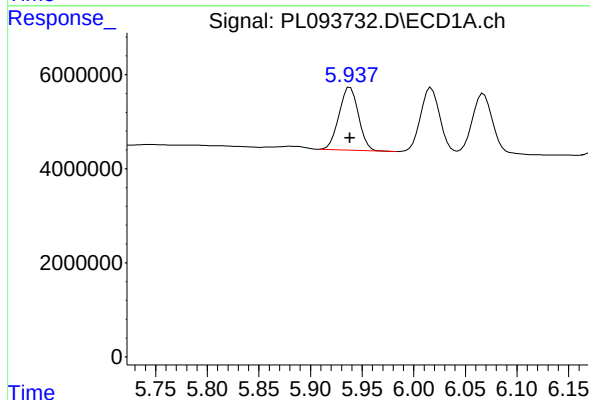
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 17228246  
Conc: 6.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



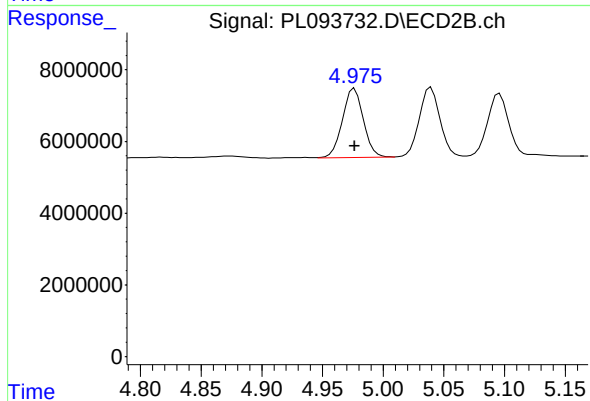
#9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 21272747  
Conc: 5.49 ng/ml



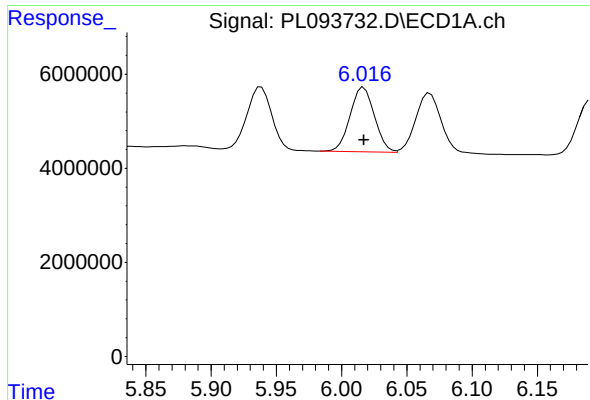
#10 gamma-Chlordane

R.T.: 5.938 min  
Delta R.T.: 0.000 min  
Response: 17575834  
Conc: 6.31 ng/ml



#10 gamma-Chlordane

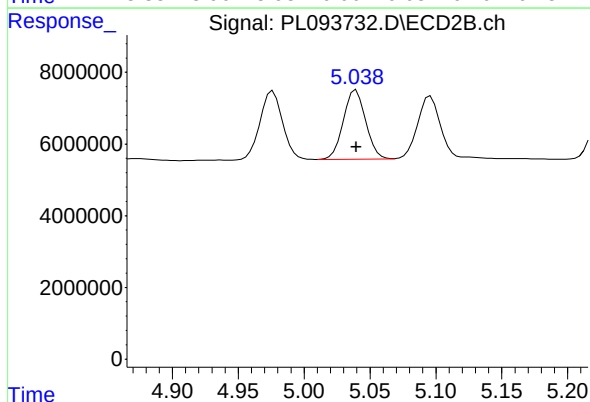
R.T.: 4.976 min  
Delta R.T.: 0.000 min  
Response: 23077513  
Conc: 5.45 ng/ml



#11 alpha-Chlordane

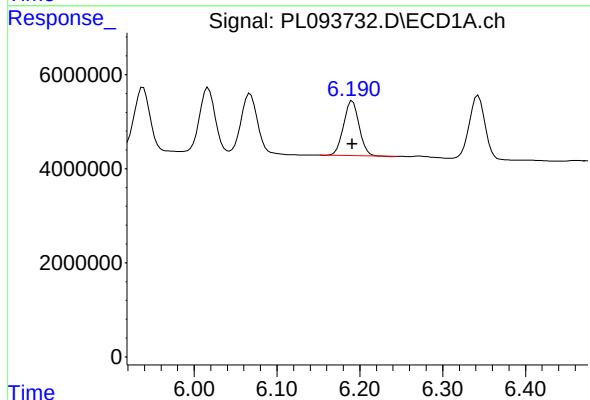
R.T.: 6.017 min  
Delta R.T.: 0.000 min  
Response: 17853432  
Conc: 6.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



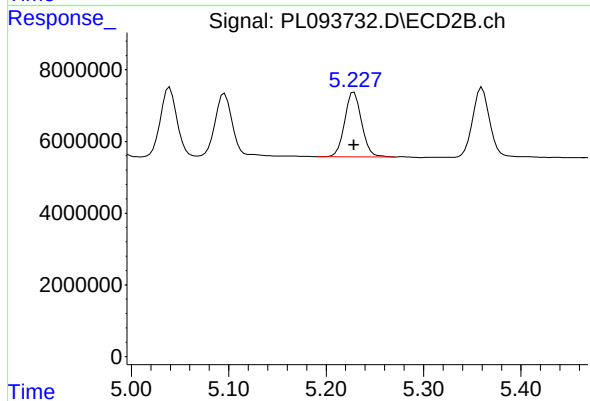
#11 alpha-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 22874114  
Conc: 5.46 ng/ml



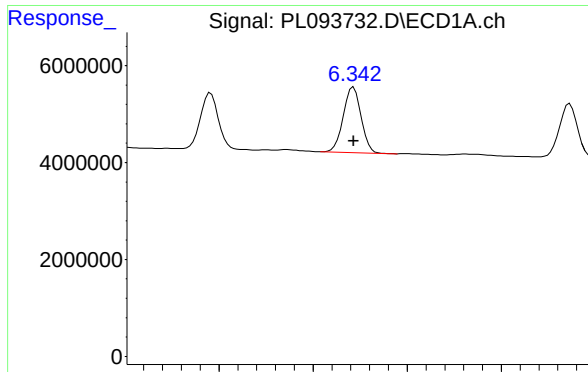
#12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 15062588  
Conc: 6.19 ng/ml



#12 4,4'-DDE

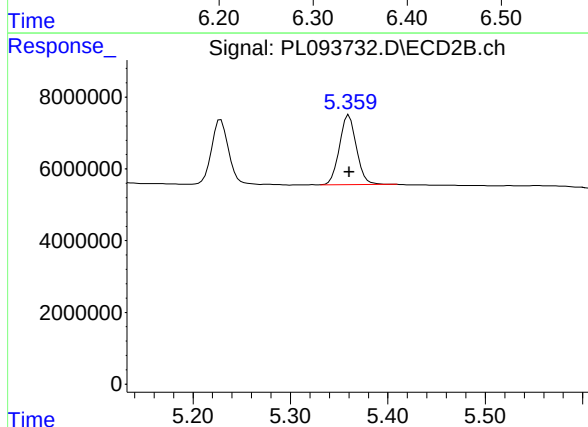
R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 21725638  
Conc: 5.42 ng/ml



#13 Dieldrin

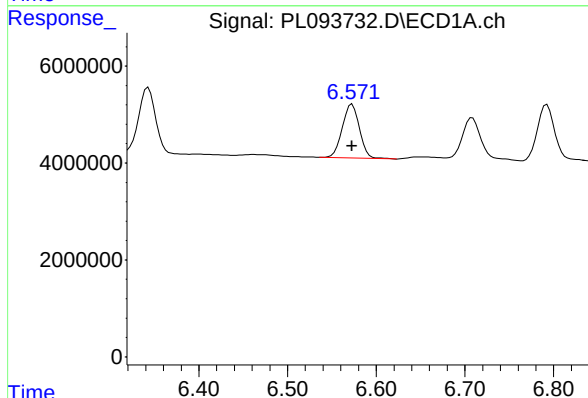
R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 17771692  
Conc: 6.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



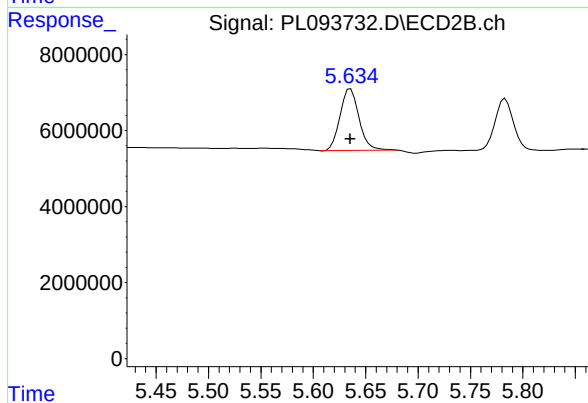
#13 Dieldrin

R.T.: 5.360 min  
Delta R.T.: 0.000 min  
Response: 23498784  
Conc: 5.47 ng/ml



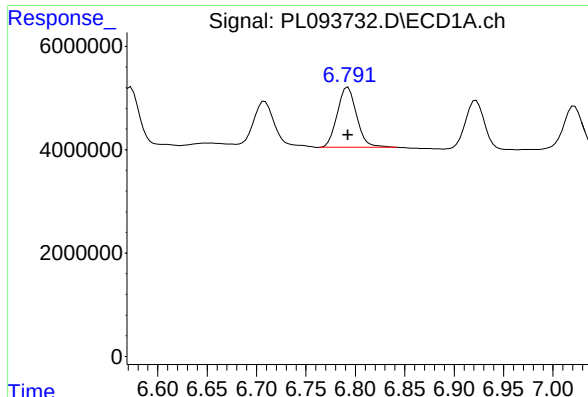
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: 0.000 min  
Response: 15009439  
Conc: 6.40 ng/ml



#14 Endrin

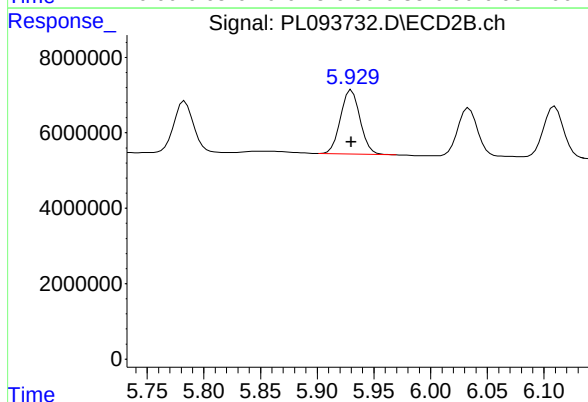
R.T.: 5.635 min  
Delta R.T.: 0.000 min  
Response: 20488065  
Conc: 5.55 ng/ml



#15 Endosulfan II

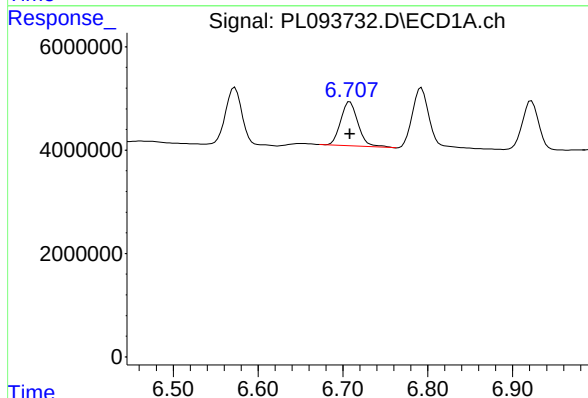
R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 15801314  
Conc: 6.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



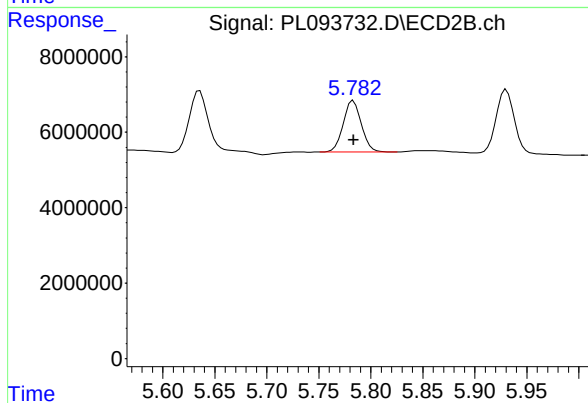
#15 Endosulfan II

R.T.: 5.930 min  
Delta R.T.: 0.000 min  
Response: 20403798  
Conc: 5.51 ng/ml



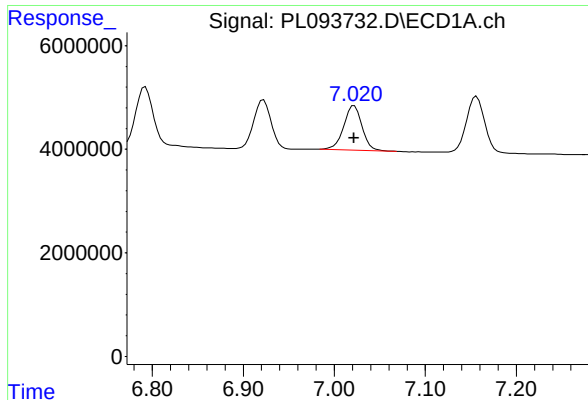
#16 4,4'-DDD

R.T.: 6.708 min  
Delta R.T.: 0.000 min  
Response: 12134151  
Conc: 6.38 ng/ml



#16 4,4'-DDD

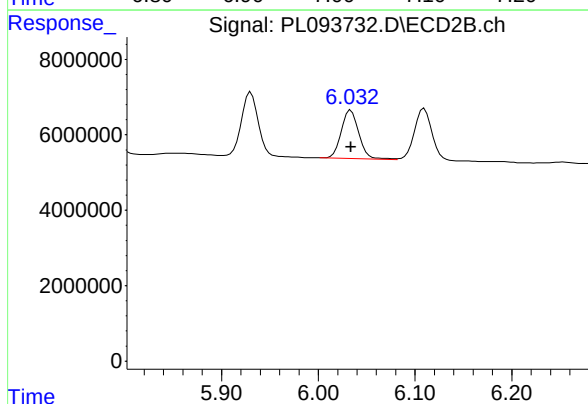
R.T.: 5.783 min  
Delta R.T.: 0.000 min  
Response: 16521614  
Conc: 5.23 ng/ml



#17 4,4'-DDT

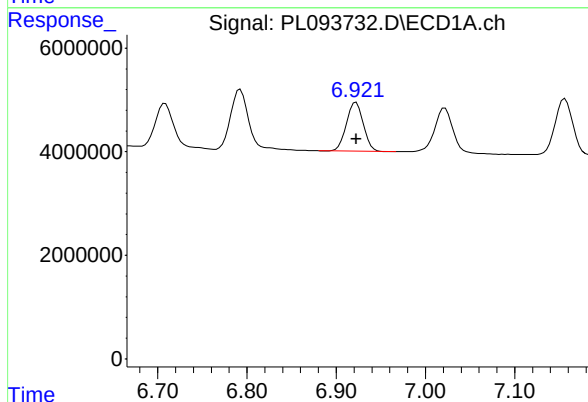
R.T.: 7.022 min  
Delta R.T.: 0.000 min  
Response: 12070833  
Conc: 6.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



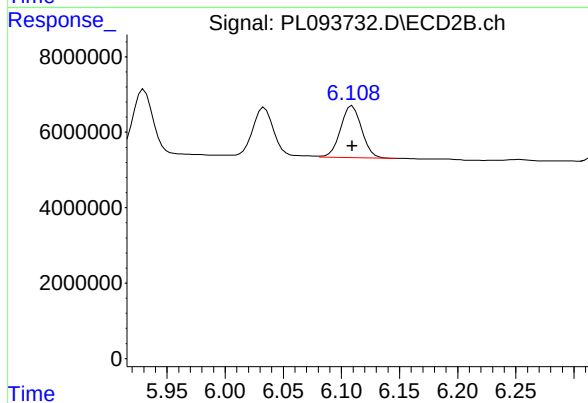
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 16163358  
Conc: 4.97 ng/ml



#18 Endrin aldehyde

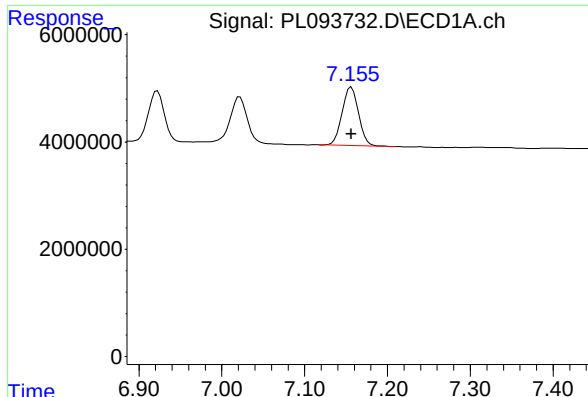
R.T.: 6.922 min  
Delta R.T.: 0.000 min  
Response: 12477919  
Conc: 6.42 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 17329206  
Conc: 5.69 ng/ml

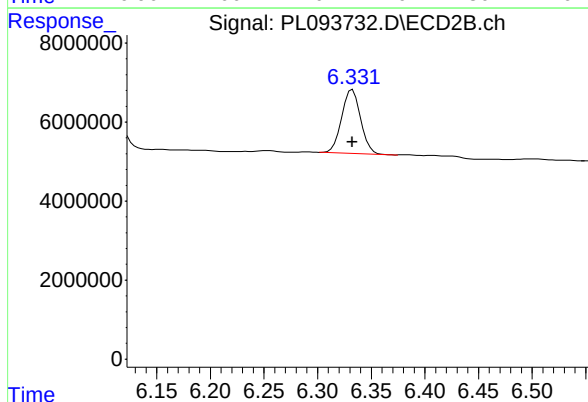




## #19 Endosulfan Sulfate

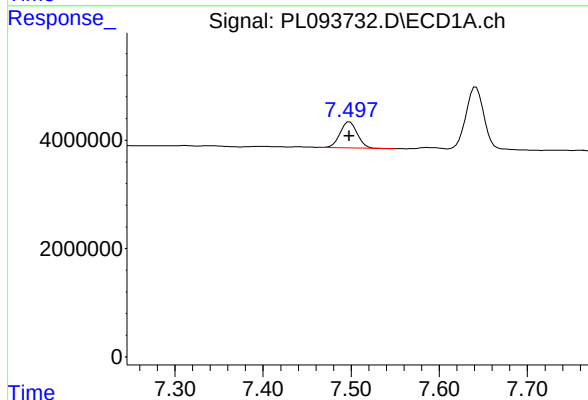
R.T.: 7.156 min  
Delta R.T.: 0.000 min  
Response: 15057236  
Conc: 6.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



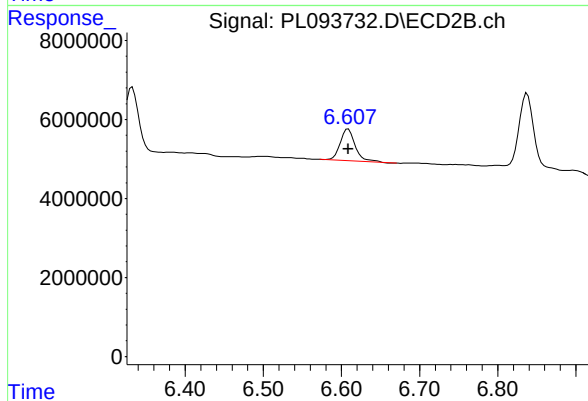
## #19 Endosulfan Sulfate

R.T.: 6.332 min  
Delta R.T.: 0.000 min  
Response: 19816189  
Conc: 5.56 ng/ml



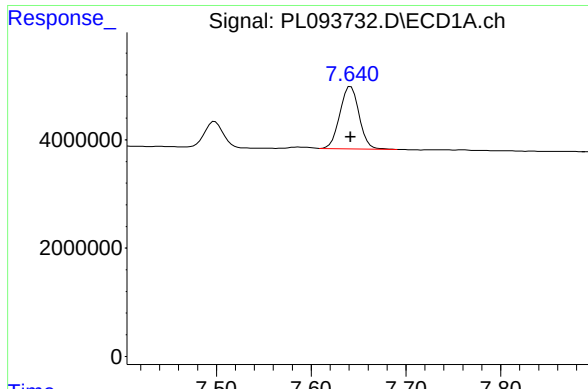
## #20 Methoxychlor

R.T.: 7.498 min  
Delta R.T.: 0.000 min  
Response: 6435643  
Conc: 6.17 ng/ml



## #20 Methoxychlor

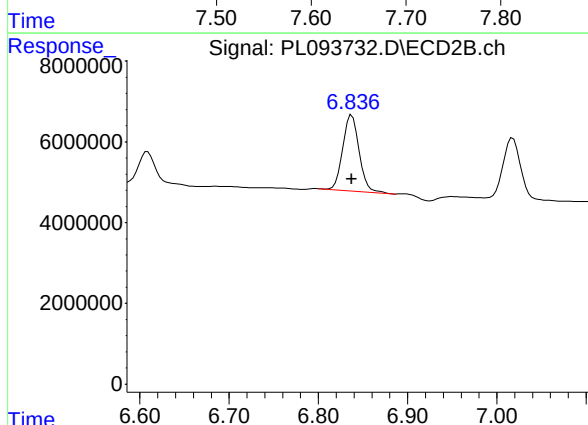
R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 10701964  
Conc: 5.98 ng/ml



#21 Endrin ketone

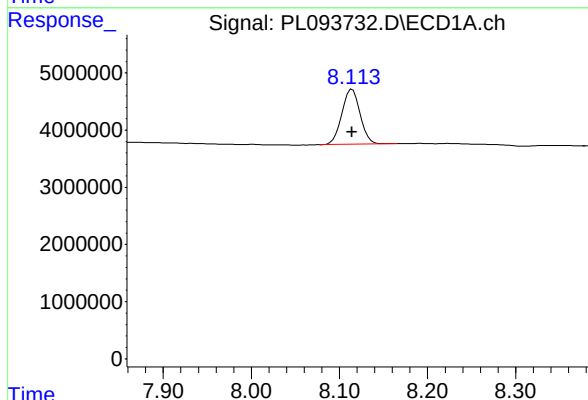
R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 16285626  
Conc: 6.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



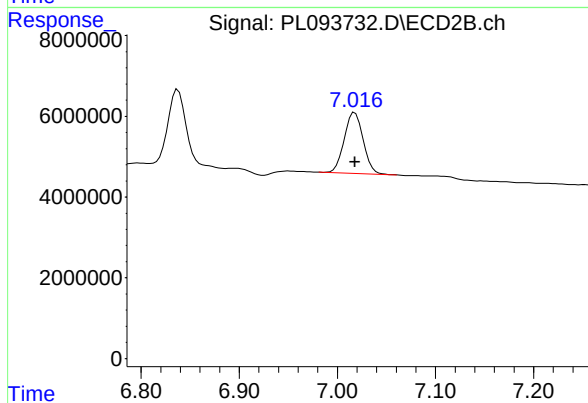
#21 Endrin ketone

R.T.: 6.837 min  
Delta R.T.: 0.000 min  
Response: 24108712  
Conc: 5.75 ng/ml



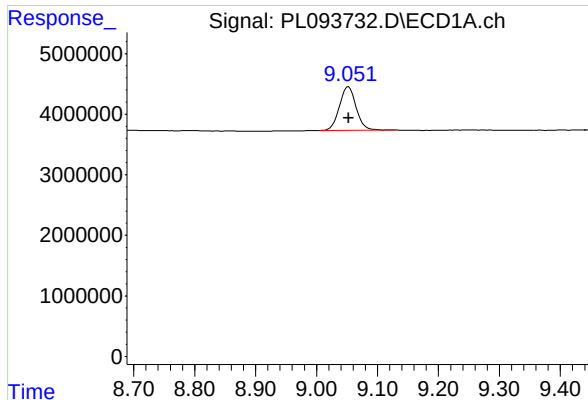
#22 Mirex

R.T.: 8.114 min  
Delta R.T.: 0.000 min  
Response: 13884960  
Conc: 6.67 ng/ml



#22 Mirex

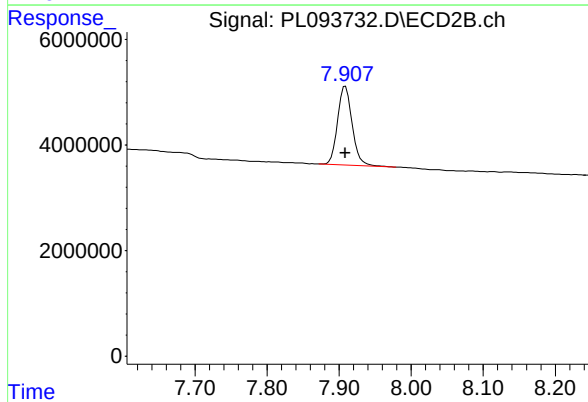
R.T.: 7.018 min  
Delta R.T.: 0.000 min  
Response: 20156166  
Conc: 5.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min  
Delta R.T.: 0.000 min  
Response: 13789093  
Conc: 6.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 20761045  
Conc: 5.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093735.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 12:32  
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: Jan 21 13:40:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 13:40:02 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...          | 3.538 | 2.773 | 118.0E6  | 178.8E6  | 50.000  | 50.000  |
| 28) SA Decachlor...         | 9.053 | 7.909 | 91356144 | 160.3E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 23) Chlordane-1             | 4.700 | 3.771 | 55335446 | 61106259 | 500.000 | 500.000 |
| 24) Chlordane-2             | 5.229 | 4.347 | 55911116 | 70304921 | 500.000 | 500.000 |
| 25) Chlordane-3             | 5.939 | 4.977 | 183.8E6  | 213.9E6  | 500.000 | 500.000 |
| 26) Chlordane-4             | 6.021 | 5.039 | 220.6E6  | 206.1E6  | 500.000 | 500.000 |
| 27) Chlordane-5             | 6.870 | 5.935 | 42155882 | 74355315 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

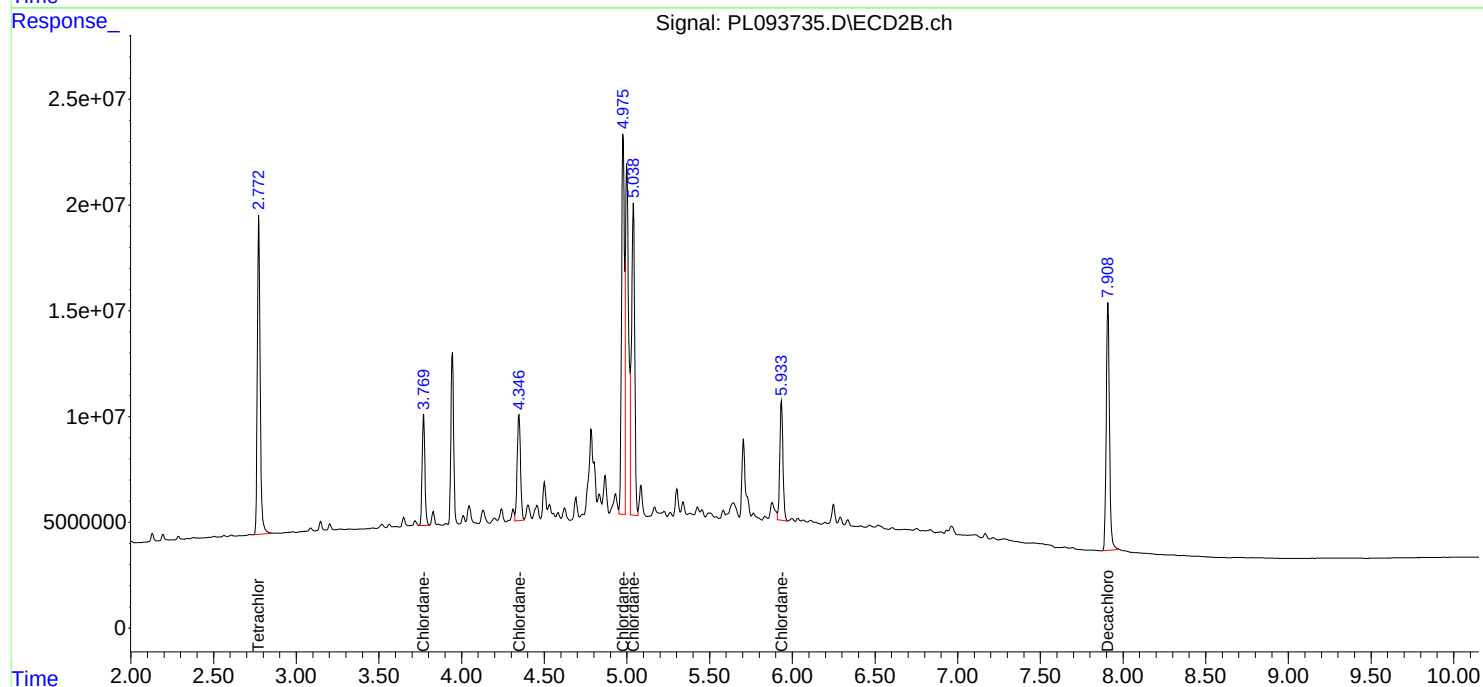
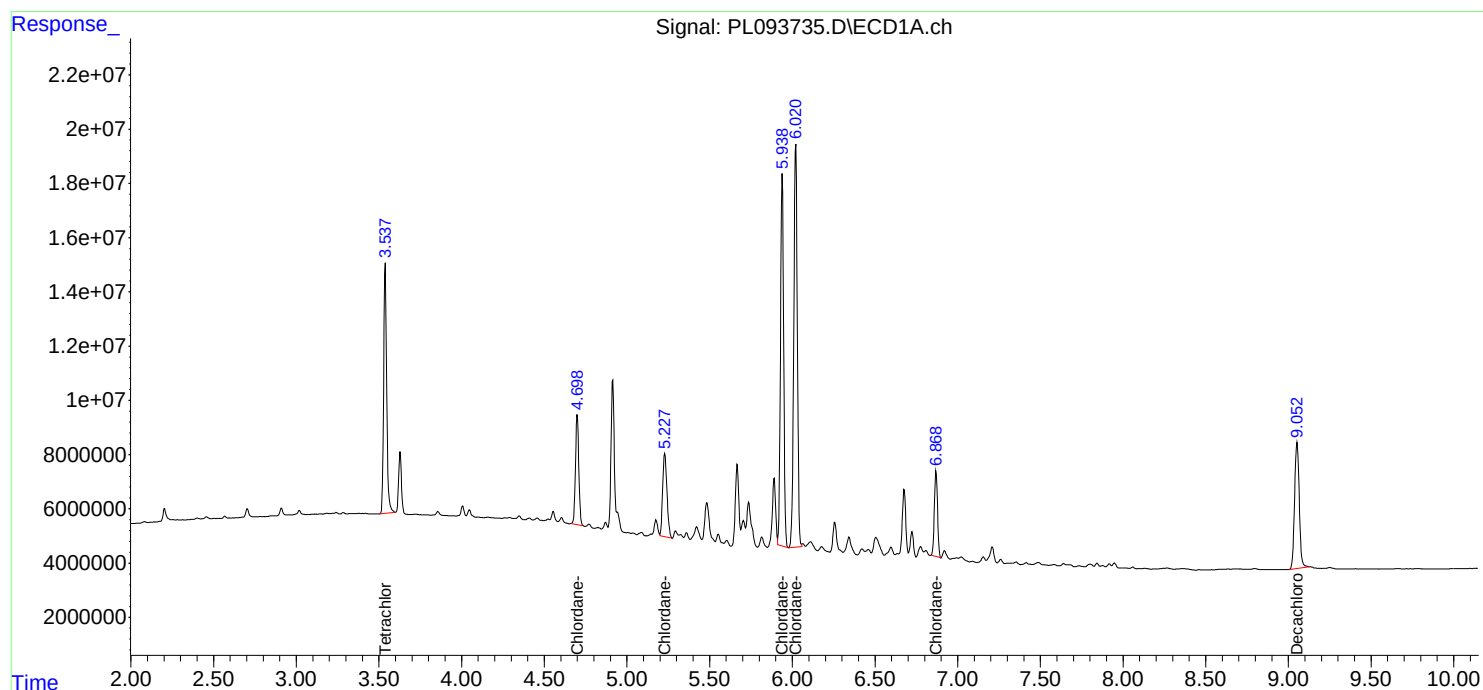
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

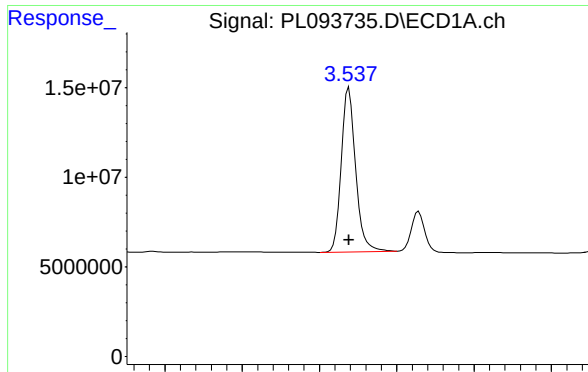
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093735.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 12:32  
Operator : AR\AJ  
Sample : PCHLORICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 13:40:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 13:40:02 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

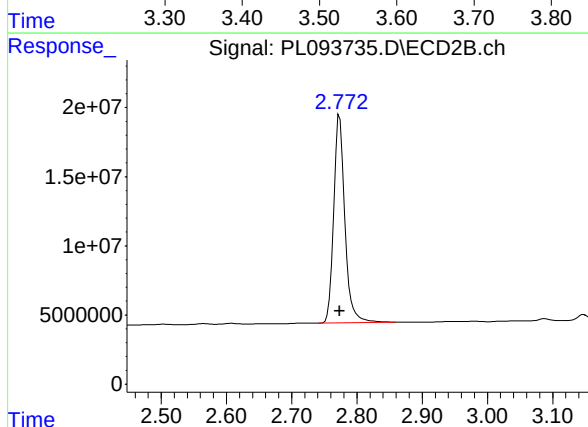




## #1 Tetrachloro-m-xylene

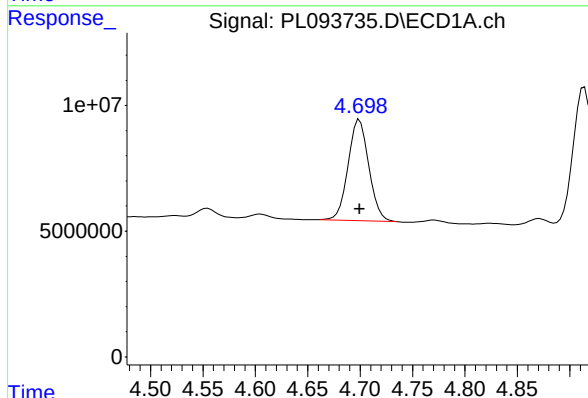
R.T.: 3.538 min  
Delta R.T.: 0.000 min  
Response: 118044809  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



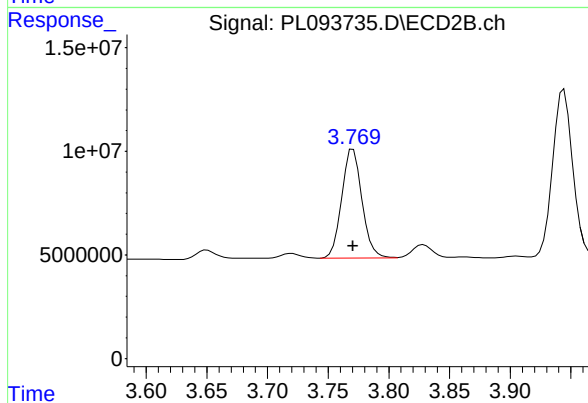
## #1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: 0.000 min  
Response: 178786091  
Conc: 50.00 ng/ml



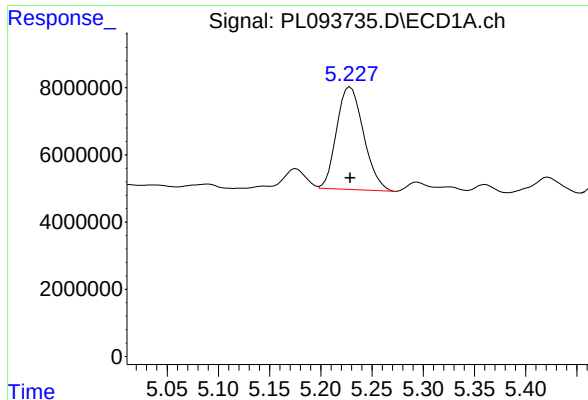
## #23 Chlordane-1

R.T.: 4.700 min  
Delta R.T.: 0.000 min  
Response: 55335446  
Conc: 500.00 ng/ml



## #23 Chlordane-1

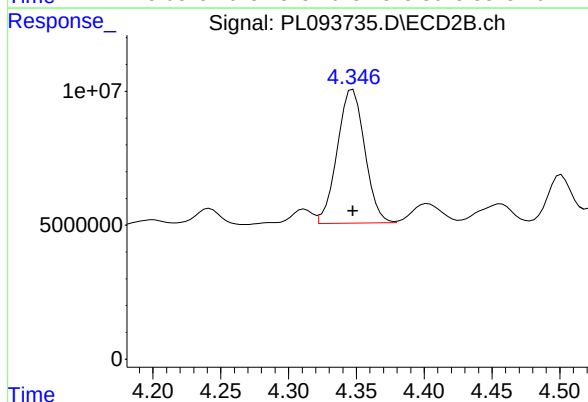
R.T.: 3.771 min  
Delta R.T.: 0.000 min  
Response: 61106259  
Conc: 500.00 ng/ml



#24 Chlordane-2

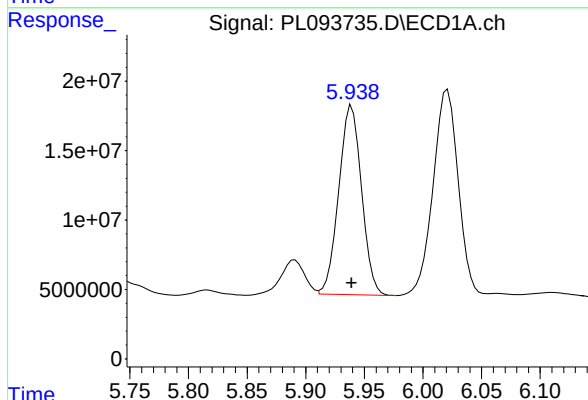
R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 55911116  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



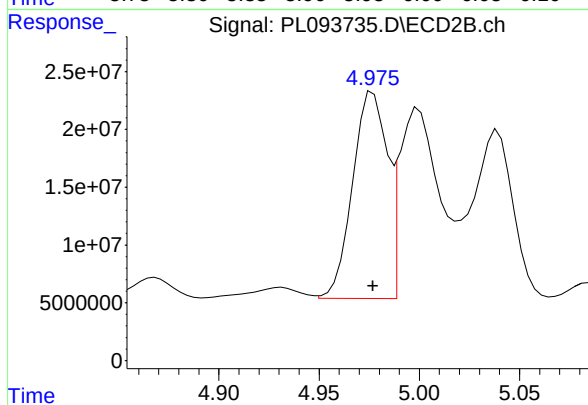
#24 Chlordane-2

R.T.: 4.347 min  
Delta R.T.: 0.000 min  
Response: 70304921  
Conc: 500.00 ng/ml



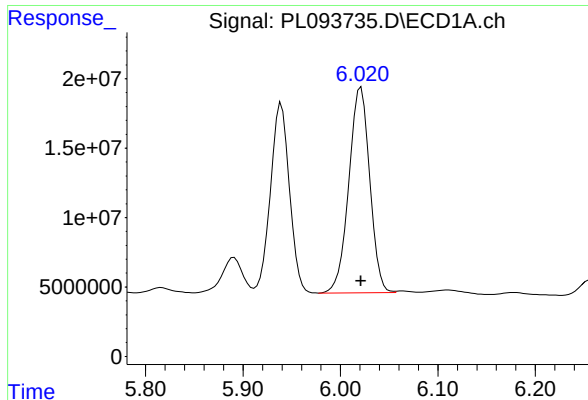
#25 Chlordane-3

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 183782045  
Conc: 500.00 ng/ml



#25 Chlordane-3

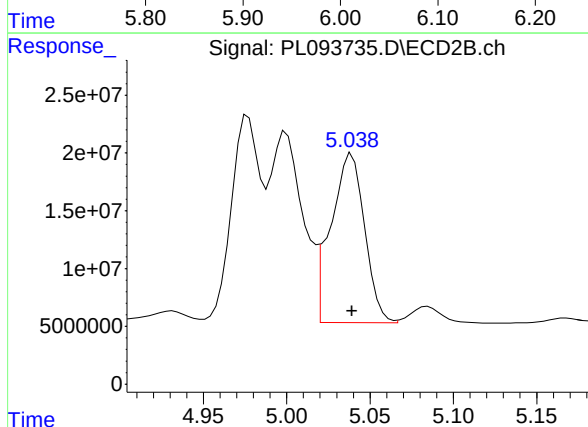
R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 213941021  
Conc: 500.00 ng/ml



#26 Chlordane-4

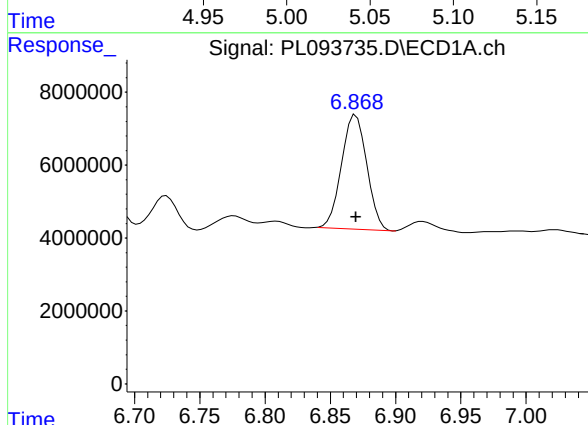
R.T.: 6.021 min  
Delta R.T.: 0.000 min  
Response: 220583333  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



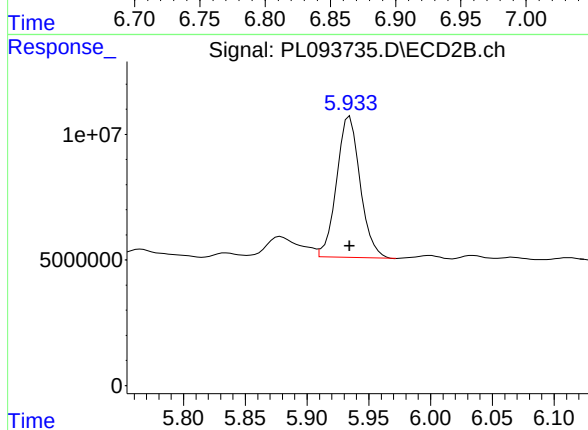
#26 Chlordane-4

R.T.: 5.039 min  
Delta R.T.: 0.000 min  
Response: 206126766  
Conc: 500.00 ng/ml



#27 Chlordane-5

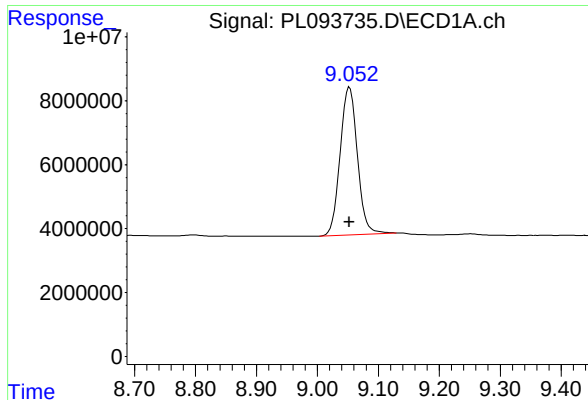
R.T.: 6.870 min  
Delta R.T.: 0.000 min  
Response: 42155882  
Conc: 500.00 ng/ml



#27 Chlordane-5

R.T.: 5.935 min  
Delta R.T.: 0.000 min  
Response: 74355315  
Conc: 500.00 ng/ml

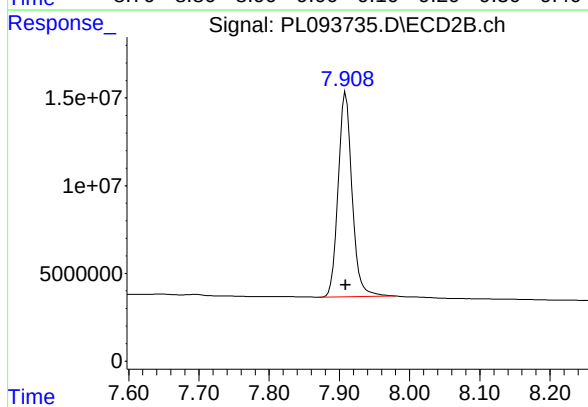




#28 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: 0.000 min  
Response: 91356144  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 160259410  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093740.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 13:39  
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: Jan 21 14:13:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:13:41 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...          | 3.539 | 2.774 | 124.5E6  | 157.4E6  | 50.000  | 50.000  |
| 7) SA Decachlor...          | 9.053 | 7.909 | 96684586 | 169.0E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.235 | 5.002 | 11722975 | 13528528 | 500.000 | 500.000 |
| 3) Toxaphene-2              | 6.440 | 5.326 | 7383579  | 11973587 | 500.000 | 500.000 |
| 4) Toxaphene-3              | 7.058 | 5.684 | 37947977 | 12363221 | 500.000 | 500.000 |
| 5) Toxaphene-4              | 7.147 | 6.599 | 28672538 | 42493596 | 500.000 | 500.000 |
| 6) Toxaphene-5              | 7.932 | 7.039 | 21533557 | 40119156 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

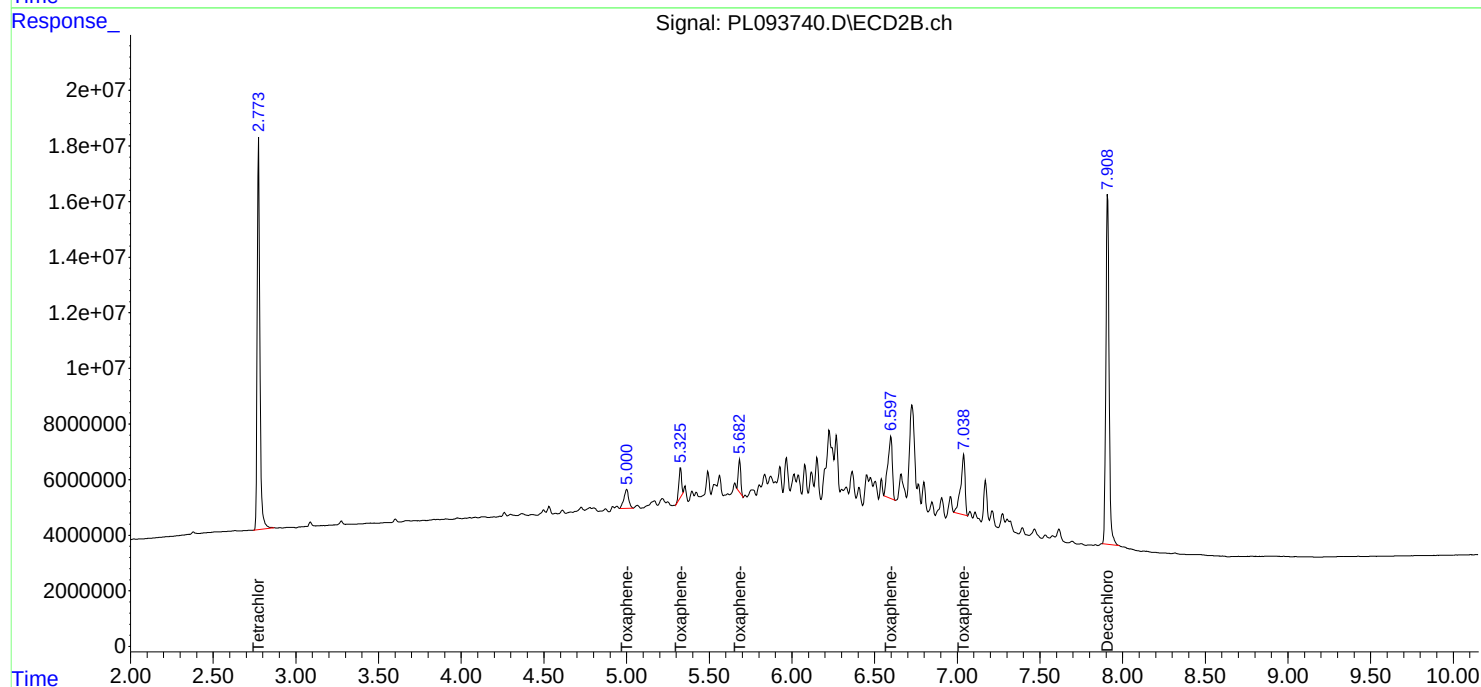
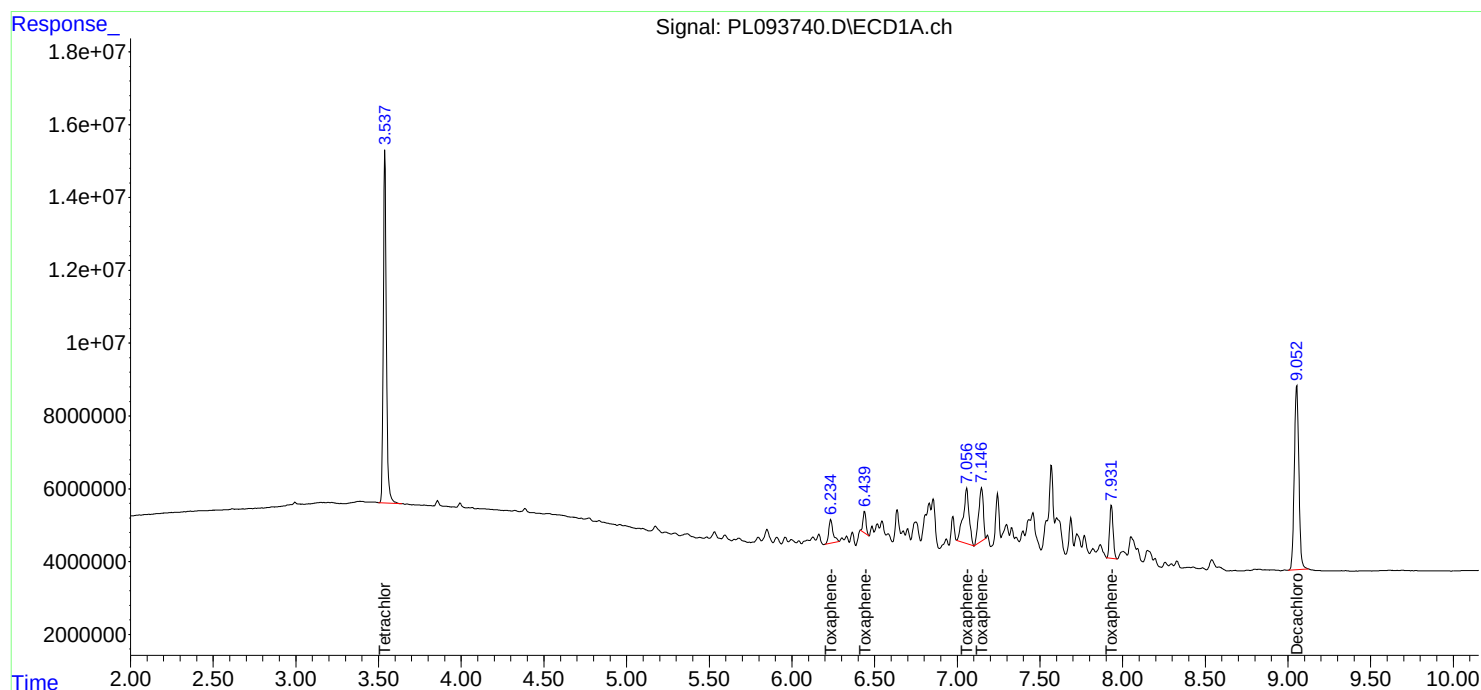
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

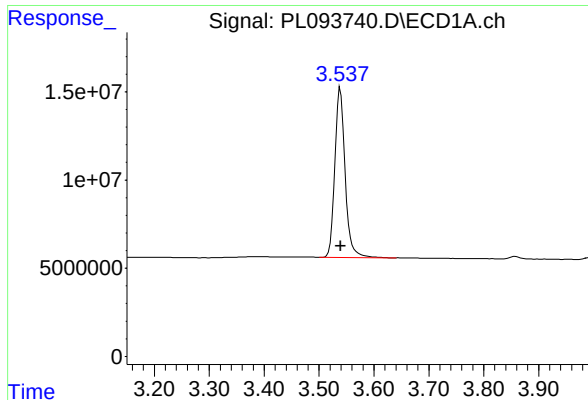
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093740.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 13:39  
Operator : AR\AJ  
Sample : PTOXICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 14:13:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:13:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

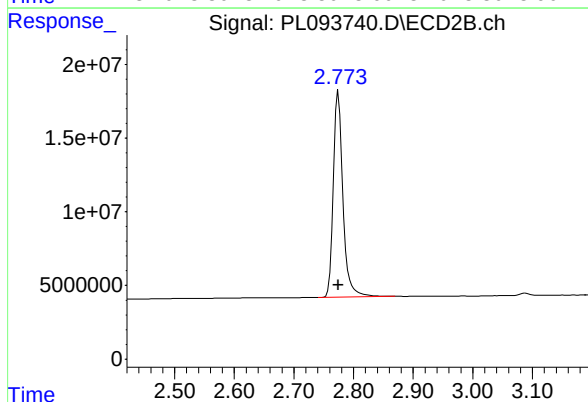




## #1 Tetrachloro-m-xylene

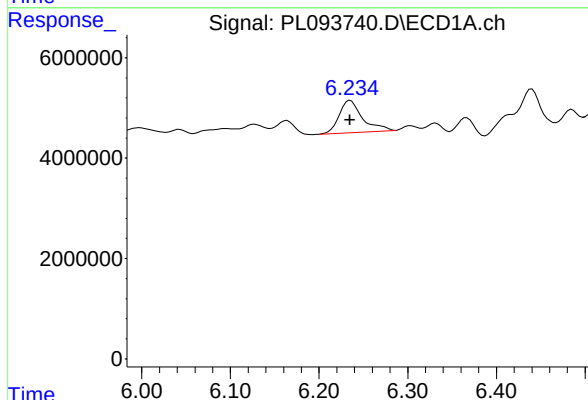
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 124524341  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



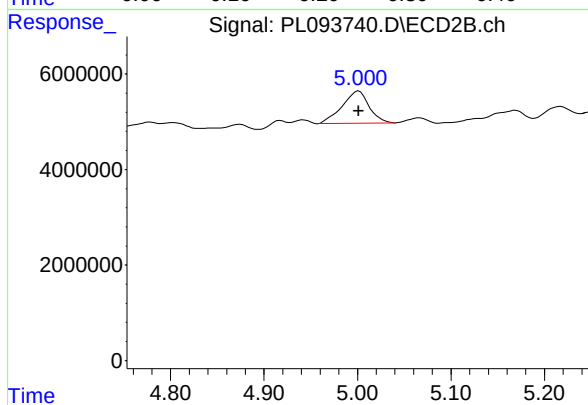
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 157364468  
Conc: 50.00 ng/ml



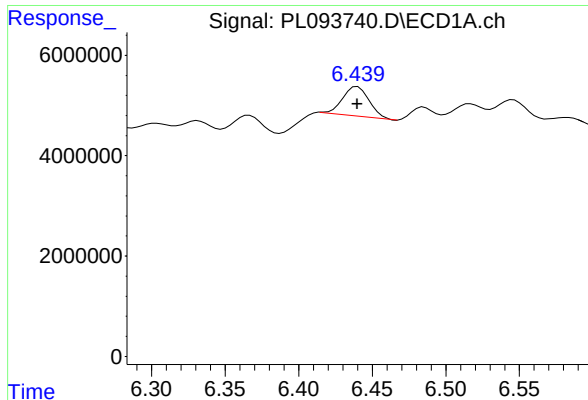
## #2 Toxaphene-1

R.T.: 6.235 min  
Delta R.T.: 0.000 min  
Response: 11722975  
Conc: 500.00 ng/ml



## #2 Toxaphene-1

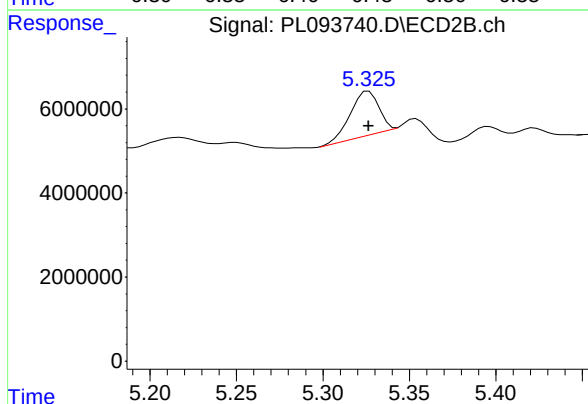
R.T.: 5.002 min  
Delta R.T.: 0.000 min  
Response: 13528528  
Conc: 500.00 ng/ml



## #3 Toxaphene-2

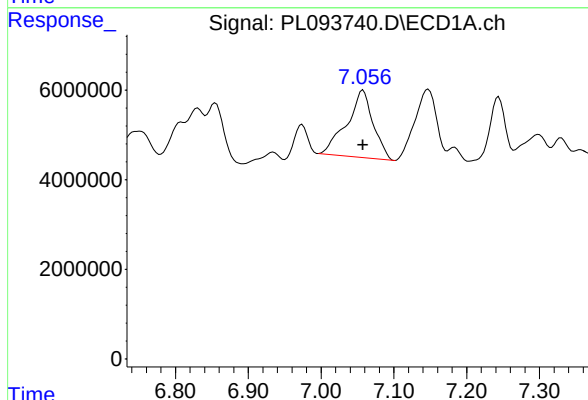
R.T.: 6.440 min  
Delta R.T.: 0.000 min  
Response: 7383579  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



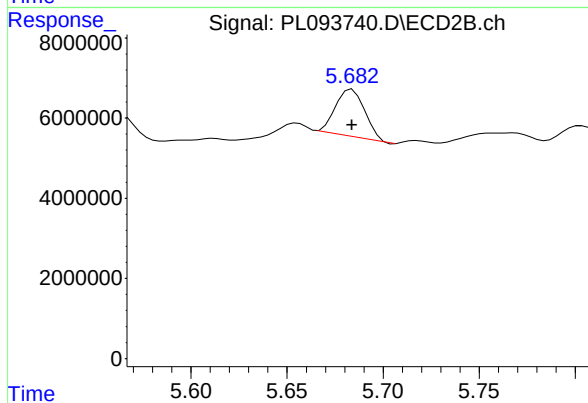
## #3 Toxaphene-2

R.T.: 5.326 min  
Delta R.T.: 0.000 min  
Response: 11973587  
Conc: 500.00 ng/ml



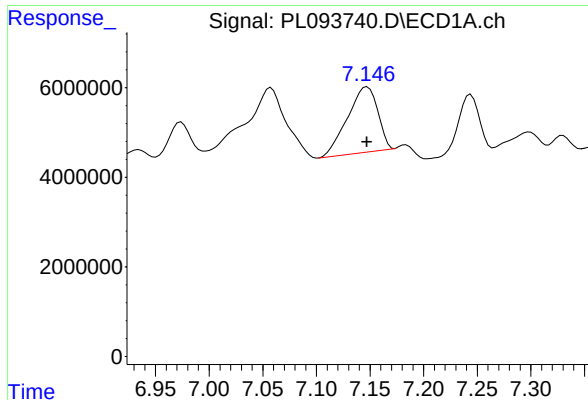
## #4 Toxaphene-3

R.T.: 7.058 min  
Delta R.T.: 0.000 min  
Response: 37947977  
Conc: 500.00 ng/ml



## #4 Toxaphene-3

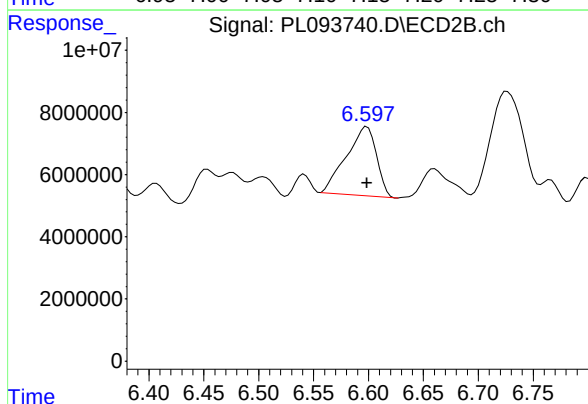
R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 12363221  
Conc: 500.00 ng/ml



#5 Toxaphene-4

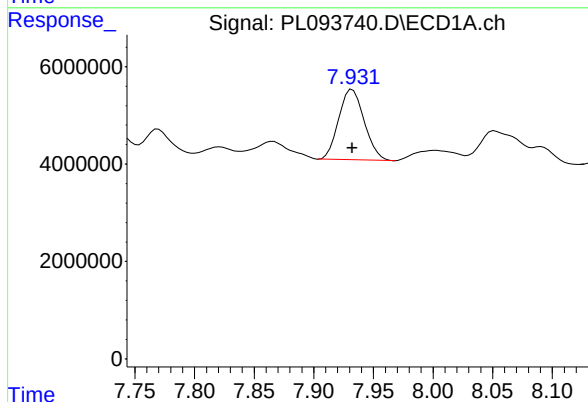
R.T.: 7.147 min  
Delta R.T.: 0.000 min  
Response: 28672538  
Conc: 500.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



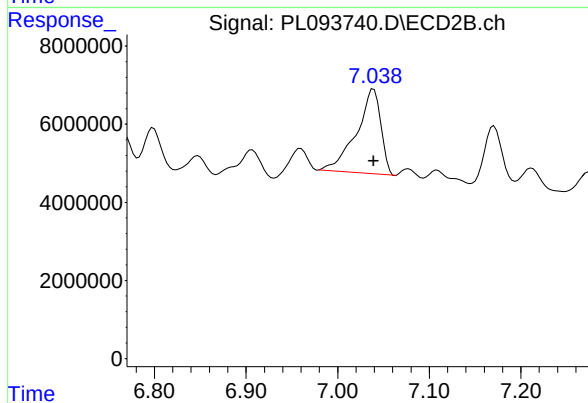
#5 Toxaphene-4

R.T.: 6.599 min  
Delta R.T.: 0.000 min  
Response: 42493596  
Conc: 500.00 ng/ml



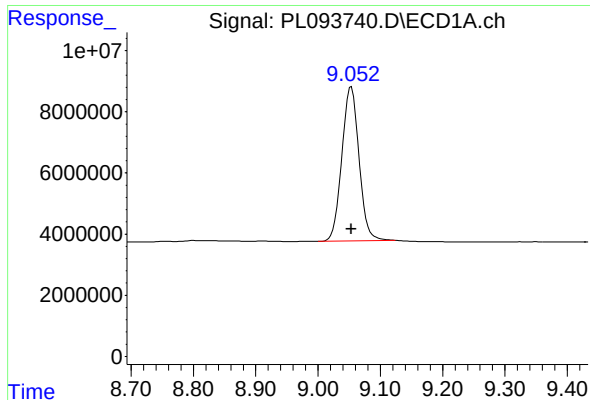
#6 Toxaphene-5

R.T.: 7.932 min  
Delta R.T.: 0.000 min  
Response: 21533557  
Conc: 500.00 ng/ml



#6 Toxaphene-5

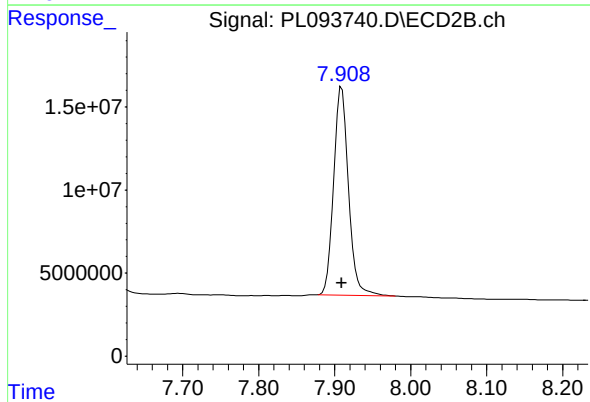
R.T.: 7.039 min  
Delta R.T.: 0.000 min  
Response: 40119156  
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: 0.000 min  
Response: 96684586  
Conc: 50.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 169042393  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093743.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 14:20  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL012125

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 14:28:53 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:02:23 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...          | 3.539 | 2.774 | 141.2E6  | 176.6E6  | 52.434 | 54.093 |
| 28) SA Decachlor...         | 9.054 | 7.910 | 108.7E6  | 190.8E6  | 51.975 | 54.460 |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.995 | 3.277 | 200.6E6  | 269.7E6  | 52.316 | 55.168 |
| 3) MA gamma-BHC...          | 4.327 | 3.607 | 192.5E6  | 260.8E6  | 52.258 | 55.000 |
| 4) MA Heptachlor            | 4.915 | 3.945 | 166.4E6  | 253.0E6  | 50.760 | 54.351 |
| 5) MB Aldrin                | 5.256 | 4.225 | 167.1E6  | 250.6E6  | 51.084 | 54.939 |
| 6) B beta-BHC               | 4.525 | 3.907 | 81194319 | 107.5E6  | 50.515 | 53.798 |
| 7) B delta-BHC              | 4.772 | 4.135 | 181.5E6  | 260.8E6  | 51.768 | 54.892 |
| 8) B Heptachlo...           | 5.683 | 4.727 | 150.9E6  | 228.4E6  | 50.731 | 54.639 |
| 9) A Endosulfan I           | 6.068 | 5.096 | 134.8E6  | 212.0E6  | 51.009 | 54.694 |
| 10) B gamma-Chl...          | 5.938 | 4.977 | 144.6E6  | 231.3E6  | 51.881 | 54.579 |
| 11) B alpha-Chl...          | 6.017 | 5.041 | 143.8E6  | 228.4E6  | 51.572 | 54.561 |
| 12) B 4,4'-DDE              | 6.191 | 5.229 | 129.1E6  | 221.4E6  | 53.039 | 55.209 |
| 13) MA Dieldrin             | 6.343 | 5.361 | 143.4E6  | 234.2E6  | 51.649 | 54.528 |
| 14) MA Endrin               | 6.573 | 5.636 | 118.4E6  | 194.0E6  | 50.501 | 52.537 |
| 15) B Endosulfa...          | 6.793 | 5.931 | 124.2E6  | 202.0E6  | 51.563 | 54.540 |
| 16) A 4,4'-DDD              | 6.709 | 5.785 | 101.9E6  | 178.4E6  | 53.599 | 56.515 |
| 17) MA 4,4'-DDT             | 7.023 | 6.035 | 104.2E6  | 181.3E6  | 52.862 | 55.711 |
| 18) B Endrin al...          | 6.923 | 6.111 | 101.8E6  | 165.3E6  | 52.345 | 54.299 |
| 19) B Endosulfa...          | 7.158 | 6.333 | 115.9E6  | 193.8E6  | 51.182 | 54.342 |
| 20) A Methoxychlor          | 7.499 | 6.610 | 56233890 | 95758805 | 53.895 | 53.552 |
| 21) B Endrin ke...          | 7.642 | 6.838 | 132.2E6  | 231.2E6  | 52.424 | 55.120 |
| 22) Mirex                   | 8.115 | 7.019 | 106.9E6  | 182.6E6  | 51.338 | 54.005 |

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

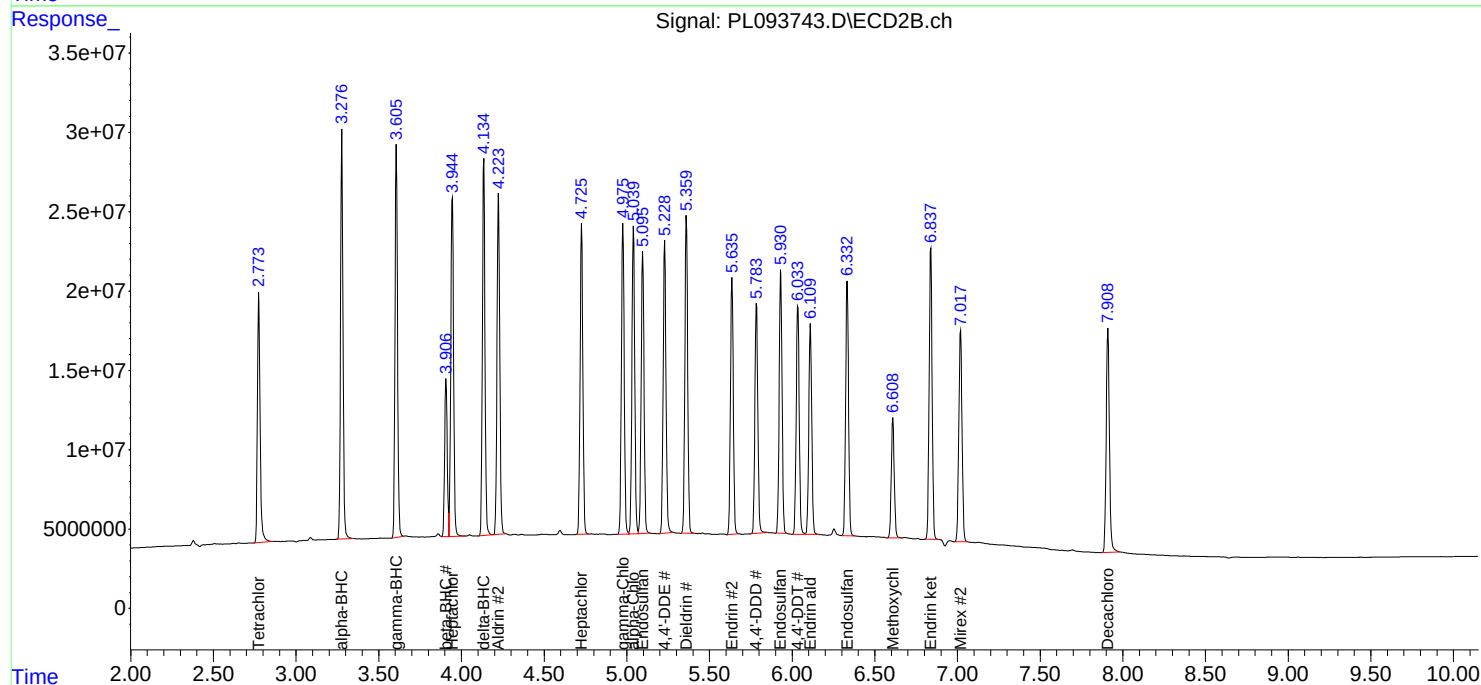
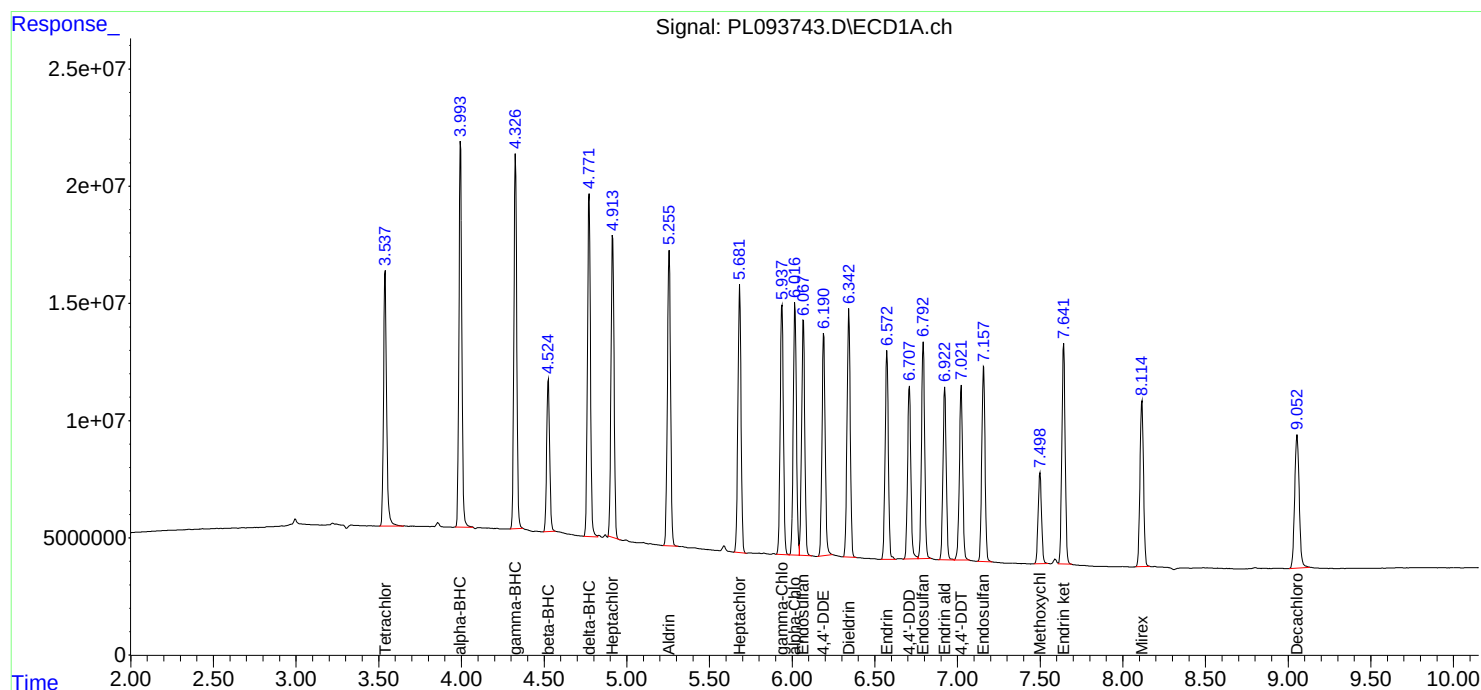


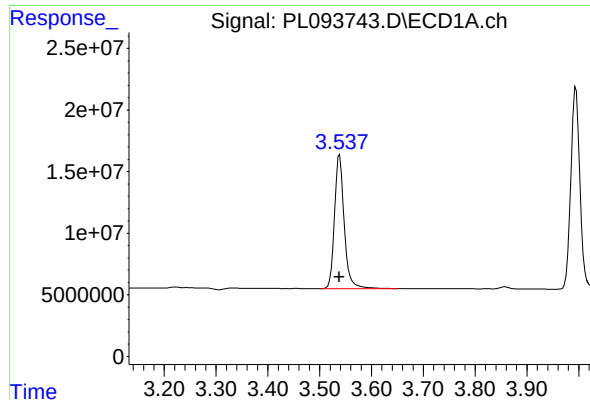
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093743.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 14:20  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 14:28:53 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:02:23 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

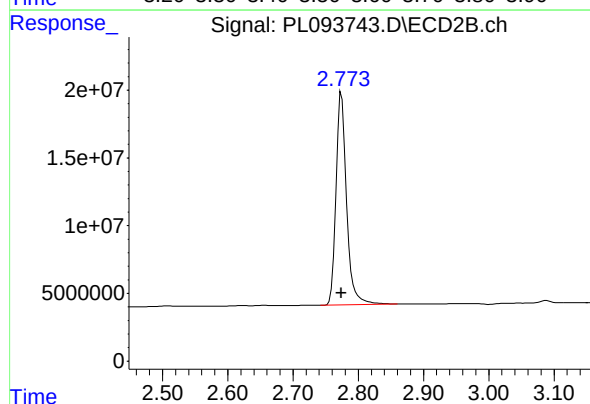




#1 Tetrachloro-m-xylene

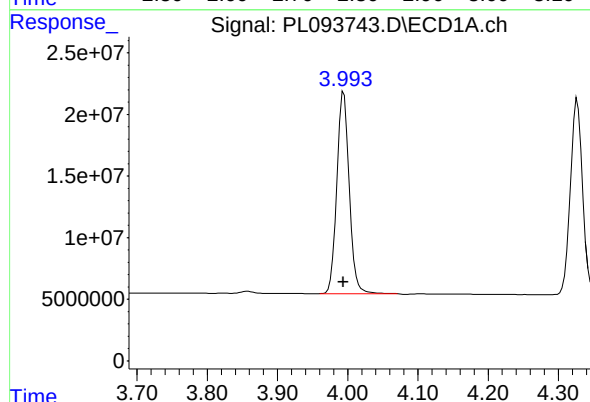
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 141191268  
Conc: 52.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



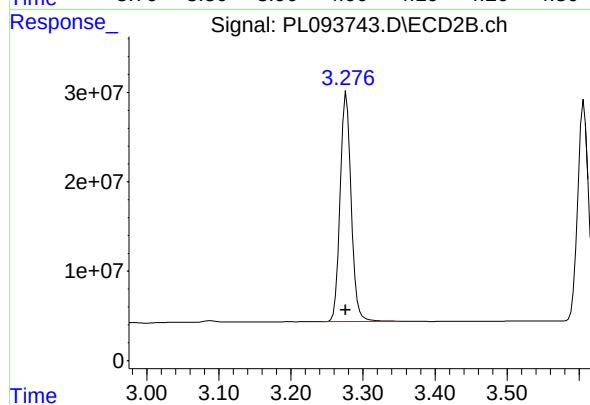
#1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 176566835  
Conc: 54.09 ng/ml



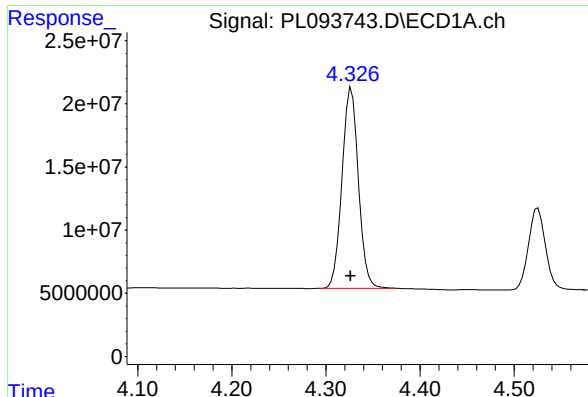
#2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 200569905  
Conc: 52.32 ng/ml



#2 alpha-BHC

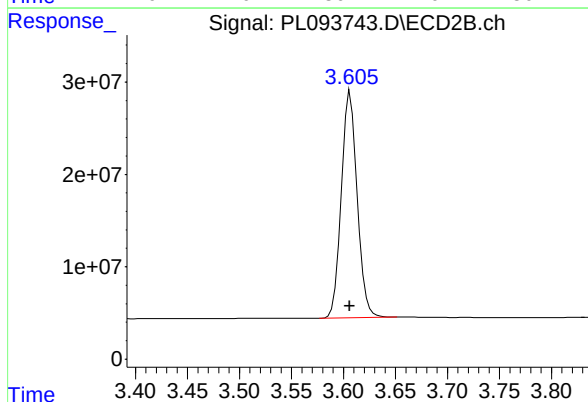
R.T.: 3.277 min  
Delta R.T.: 0.000 min  
Response: 269716716  
Conc: 55.17 ng/ml



#3 gamma-BHC (Lindane)

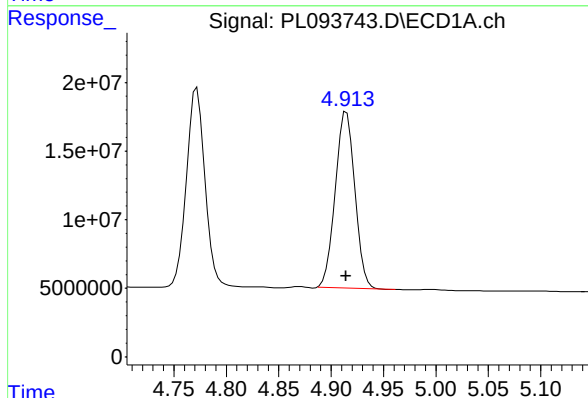
R.T.: 4.327 min  
Delta R.T.: 0.000 min  
Response: 192459165  
Conc: 52.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



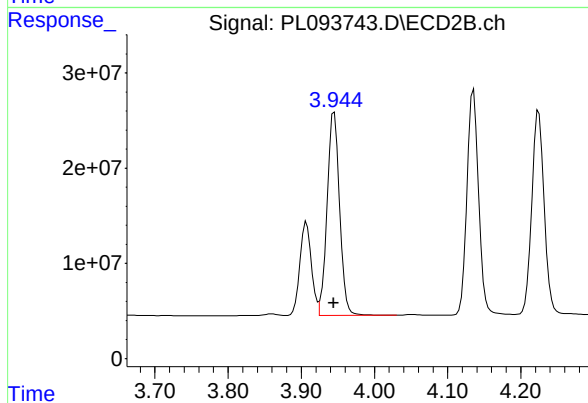
#3 gamma-BHC (Lindane)

R.T.: 3.607 min  
Delta R.T.: 0.000 min  
Response: 260765963  
Conc: 55.00 ng/ml



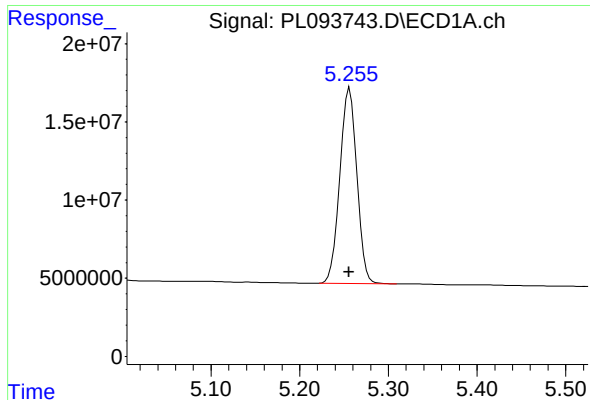
#4 Heptachlor

R.T.: 4.915 min  
Delta R.T.: 0.000 min  
Response: 166357805  
Conc: 50.76 ng/ml



#4 Heptachlor

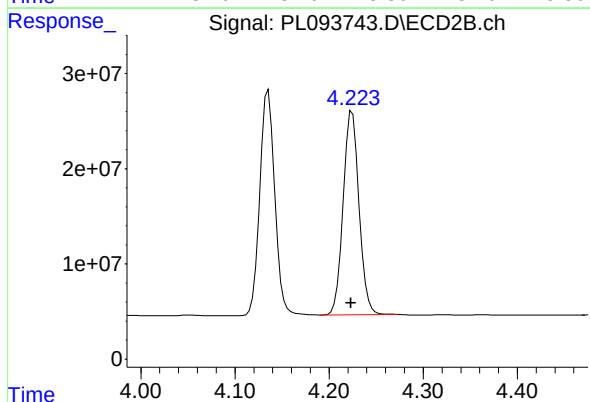
R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 252994081  
Conc: 54.35 ng/ml



#5 Aldrin

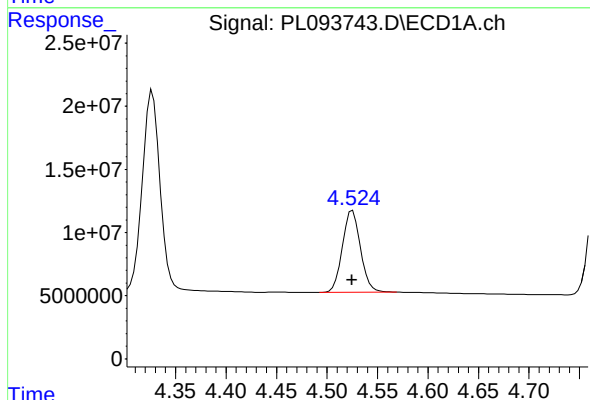
R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 167145833  
Conc: 51.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



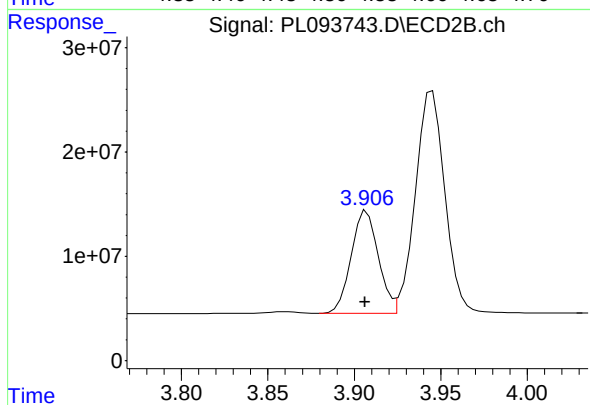
#5 Aldrin

R.T.: 4.225 min  
Delta R.T.: 0.001 min  
Response: 250621610  
Conc: 54.94 ng/ml



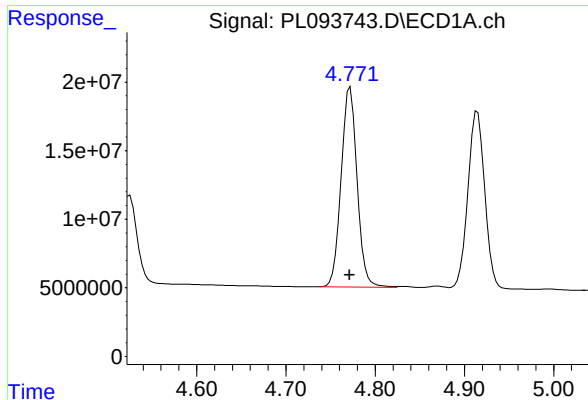
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 81194319  
Conc: 50.52 ng/ml



#6 beta-BHC

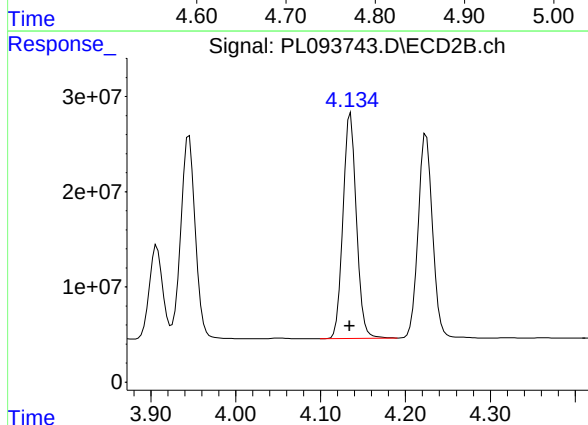
R.T.: 3.907 min  
Delta R.T.: 0.001 min  
Response: 107457324  
Conc: 53.80 ng/ml



#7 delta-BHC

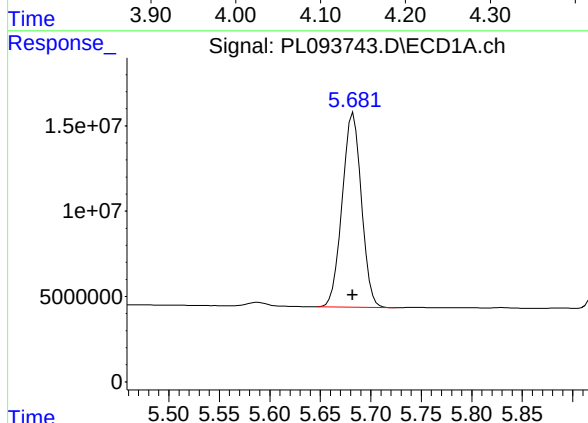
R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 181463119  
Conc: 51.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



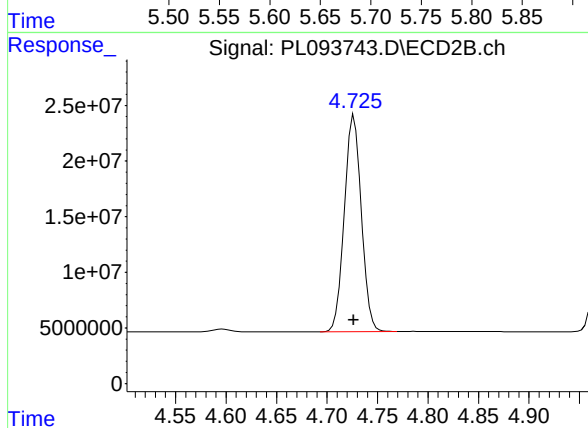
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 260806257  
Conc: 54.89 ng/ml



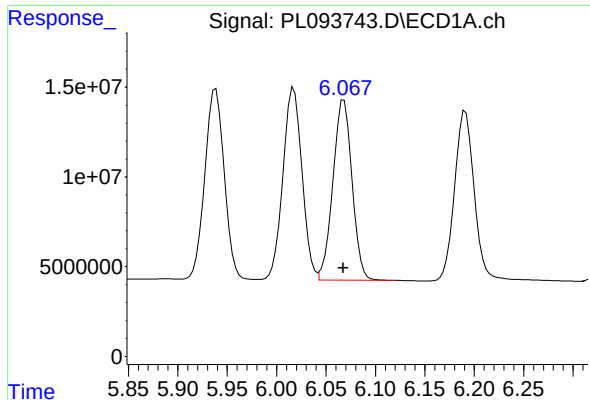
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 150865872  
Conc: 50.73 ng/ml



#8 Heptachlor epoxide

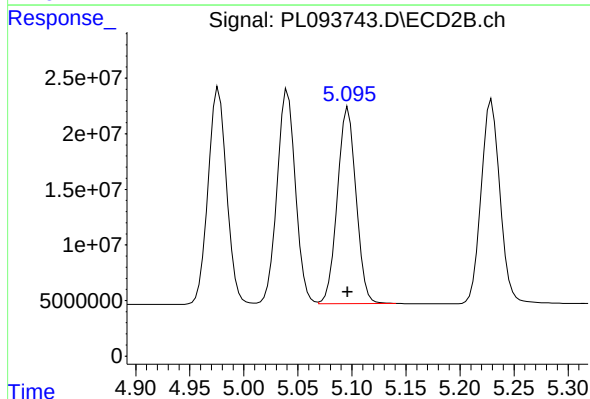
R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 228406178  
Conc: 54.64 ng/ml



#9 Endosulfan I

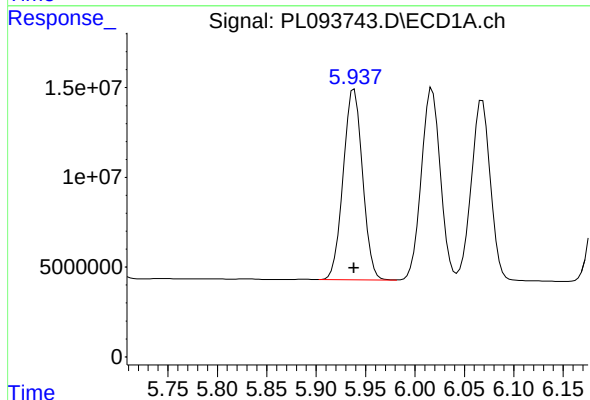
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 134808929  
Conc: 51.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



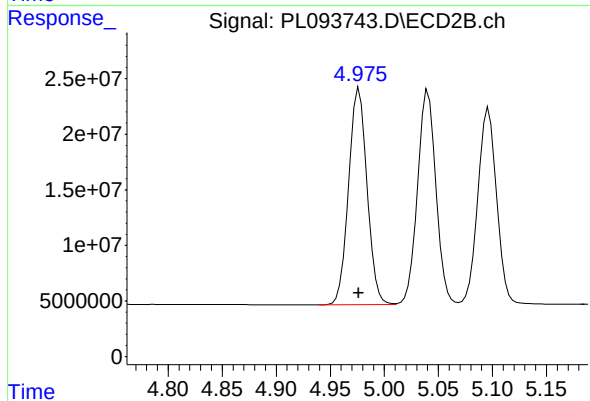
#9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 212043680  
Conc: 54.69 ng/ml



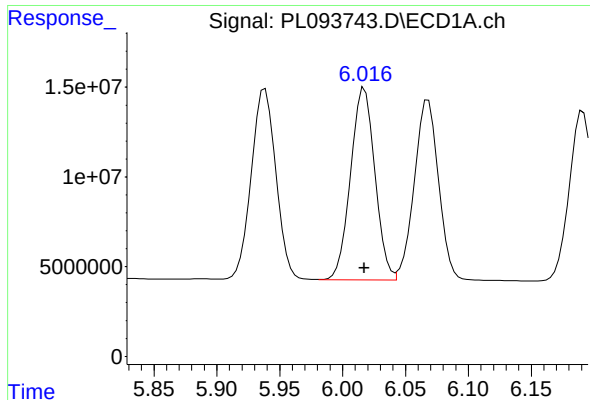
#10 gamma-Chlordane

R.T.: 5.938 min  
Delta R.T.: 0.000 min  
Response: 144611164  
Conc: 51.88 ng/ml



#10 gamma-Chlordane

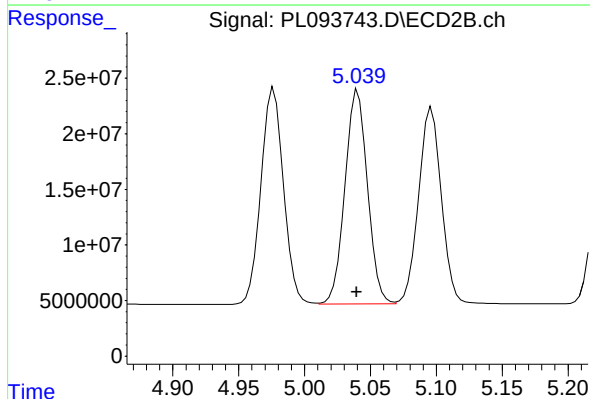
R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 231285603  
Conc: 54.58 ng/ml



#11 alpha-Chlordane

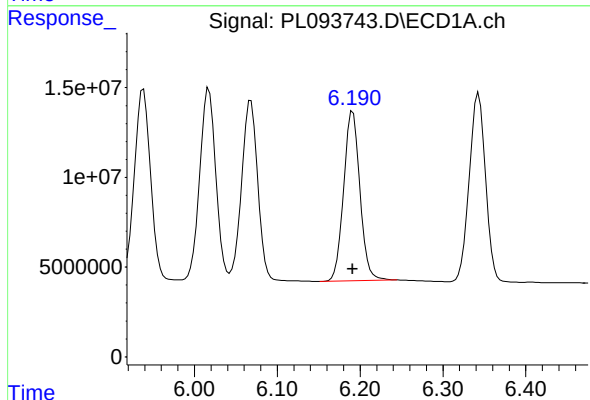
R.T.: 6.017 min  
Delta R.T.: 0.000 min  
Response: 143803294  
Conc: 51.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



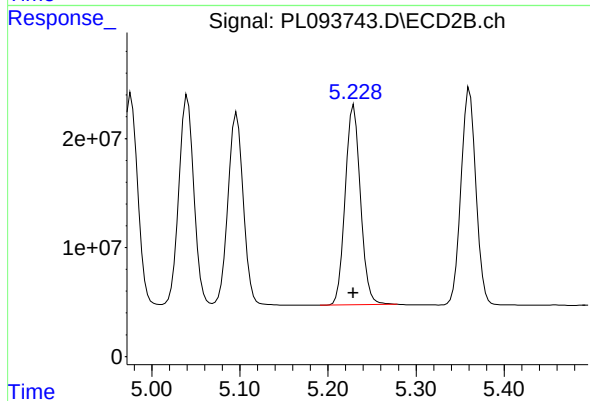
#11 alpha-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.001 min  
Response: 228422304  
Conc: 54.56 ng/ml



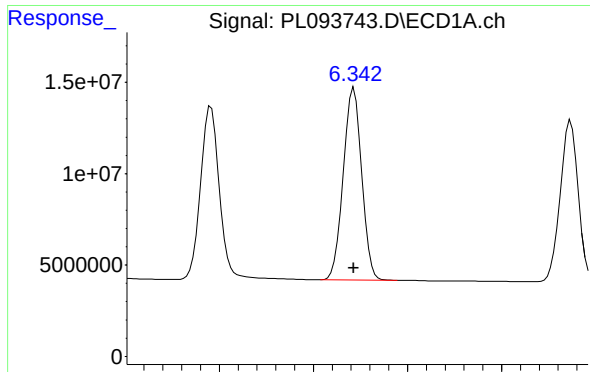
#12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 129128935  
Conc: 53.04 ng/ml



#12 4,4'-DDE

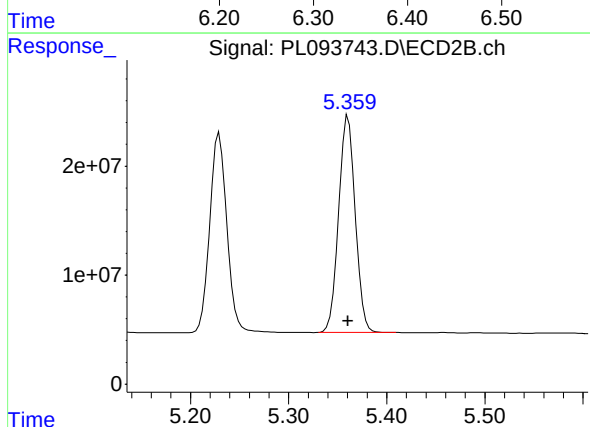
R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 221359531  
Conc: 55.21 ng/ml



#13 Dieldrin

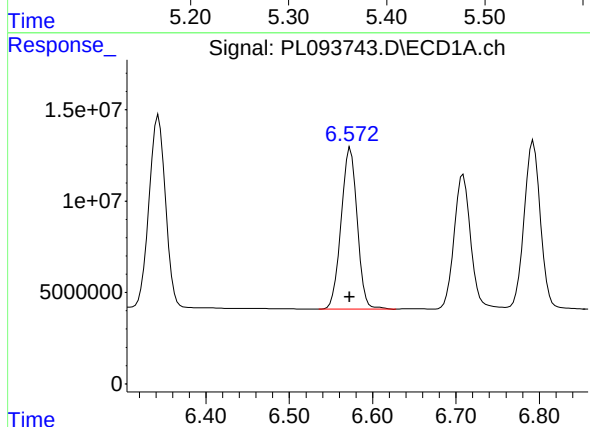
R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 143369662  
Conc: 51.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



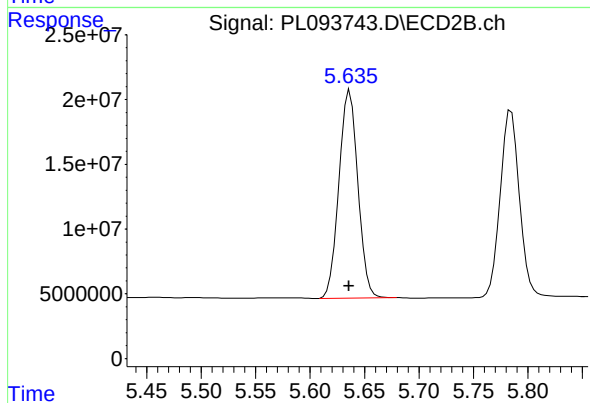
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 234235081  
Conc: 54.53 ng/ml



#14 Endrin

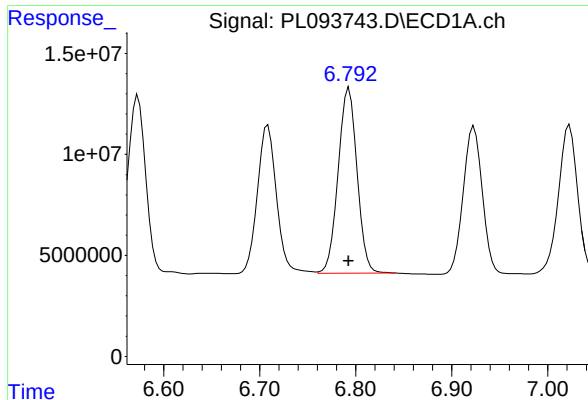
R.T.: 6.573 min  
Delta R.T.: 0.000 min  
Response: 118416700  
Conc: 50.50 ng/ml



#14 Endrin

R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 194001333  
Conc: 52.54 ng/ml

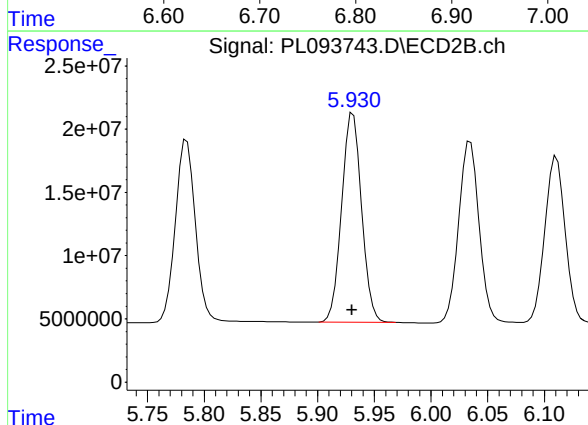




#15 Endosulfan II

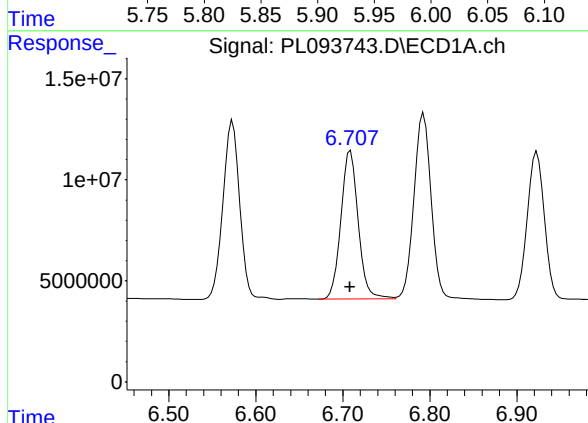
R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 124234027  
Conc: 51.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



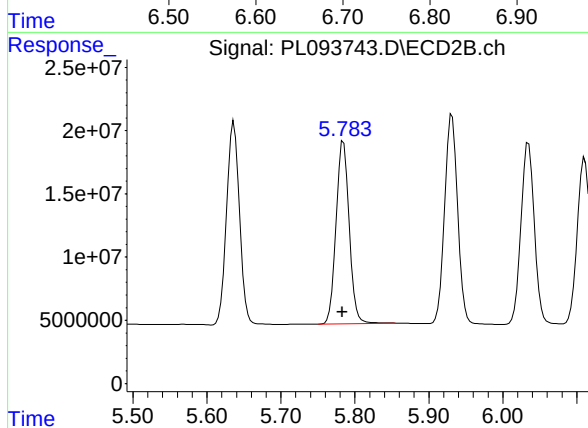
#15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.001 min  
Response: 202005610  
Conc: 54.54 ng/ml



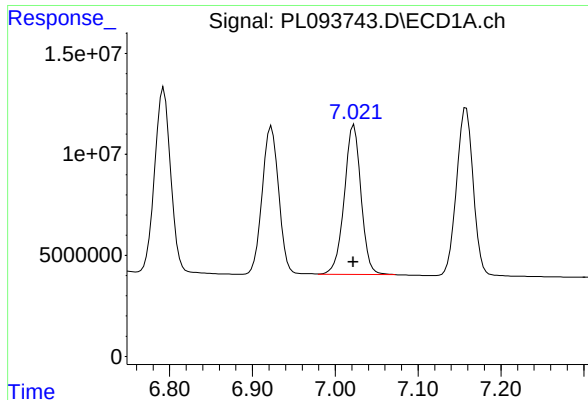
#16 4,4'-DDD

R.T.: 6.709 min  
Delta R.T.: 0.000 min  
Response: 101868364  
Conc: 53.60 ng/ml



#16 4,4'-DDD

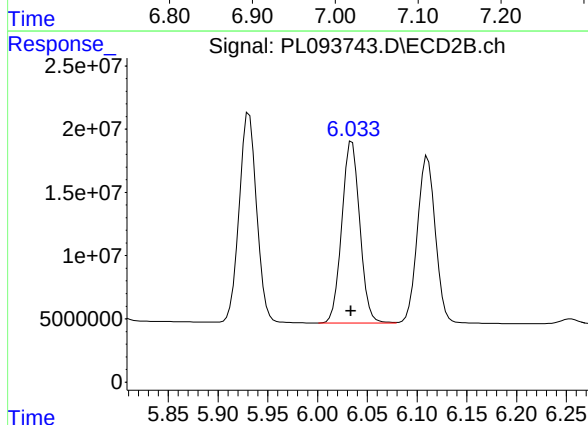
R.T.: 5.785 min  
Delta R.T.: 0.001 min  
Response: 178390286  
Conc: 56.51 ng/ml



#17 4,4'-DDT

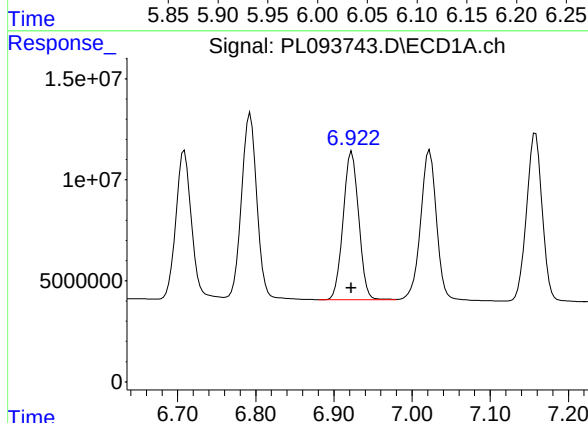
R.T.: 7.023 min  
Delta R.T.: 0.000 min  
Response: 104247092  
Conc: 52.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



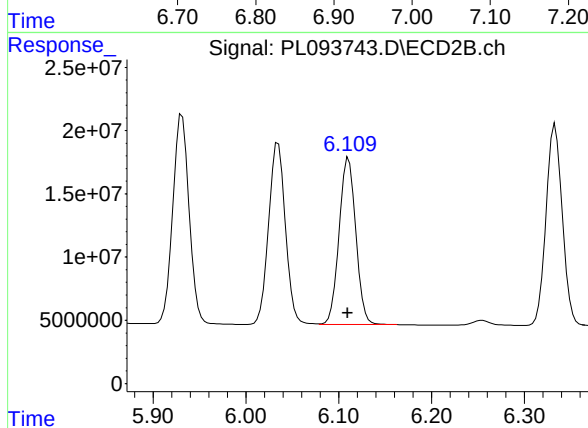
#17 4,4'-DDT

R.T.: 6.035 min  
Delta R.T.: 0.000 min  
Response: 181287401  
Conc: 55.71 ng/ml



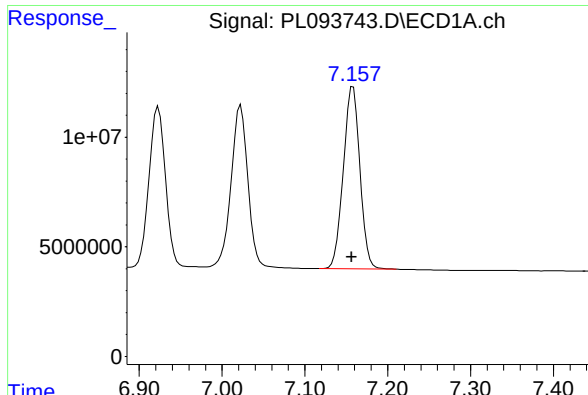
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 101761385  
Conc: 52.34 ng/ml



#18 Endrin aldehyde

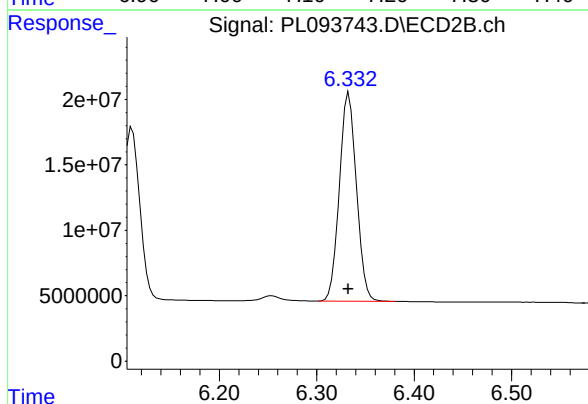
R.T.: 6.111 min  
Delta R.T.: 0.001 min  
Response: 165320369  
Conc: 54.30 ng/ml



#19 Endosulfan Sulfate

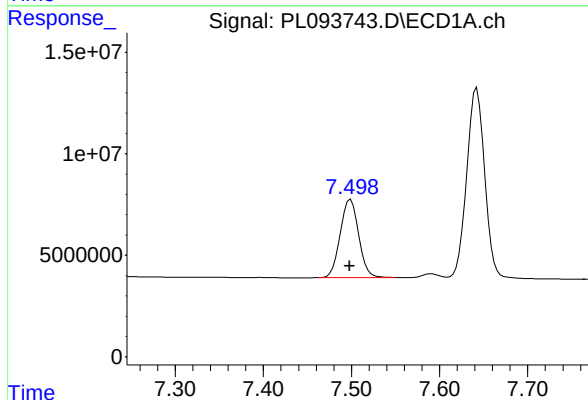
R.T.: 7.158 min  
Delta R.T.: 0.002 min  
Response: 115863257  
Conc: 51.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



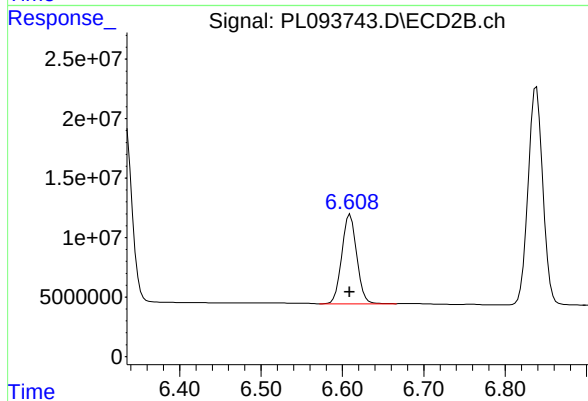
#19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 193788608  
Conc: 54.34 ng/ml



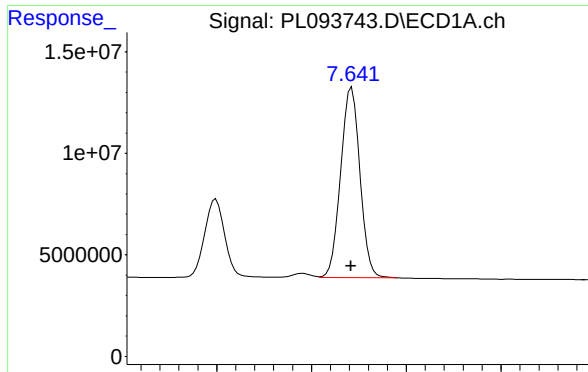
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.000 min  
Response: 56233890  
Conc: 53.90 ng/ml



#20 Methoxychlor

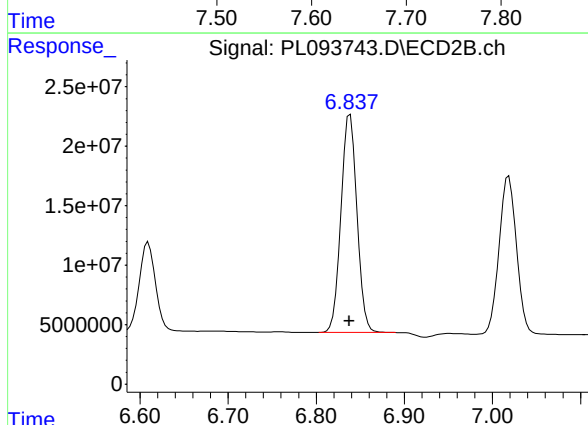
R.T.: 6.610 min  
Delta R.T.: 0.000 min  
Response: 95758805  
Conc: 53.55 ng/ml



#21 Endrin ketone

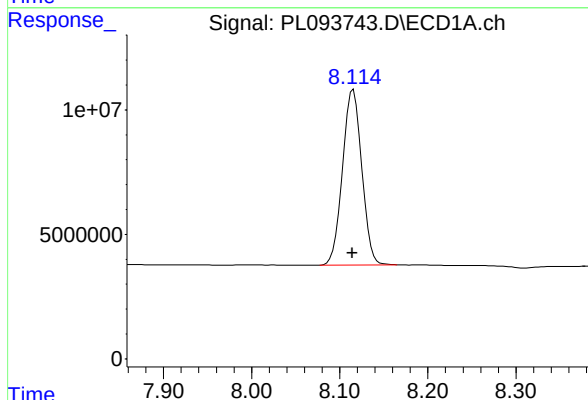
R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 132246340  
Conc: 52.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



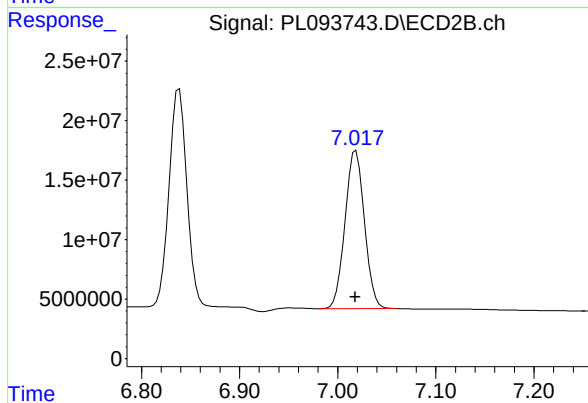
#21 Endrin ketone

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 231241910  
Conc: 55.12 ng/ml



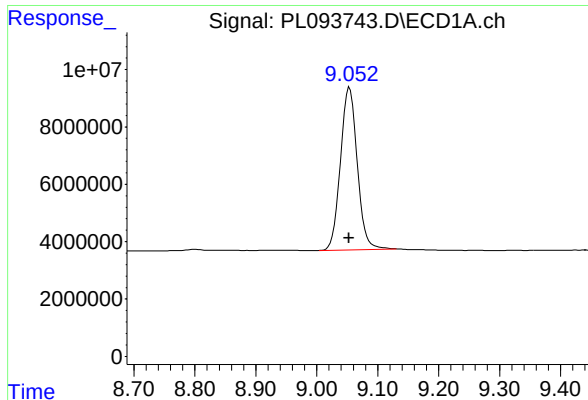
#22 Mirex

R.T.: 8.115 min  
Delta R.T.: 0.000 min  
Response: 106911145  
Conc: 51.34 ng/ml



#22 Mirex

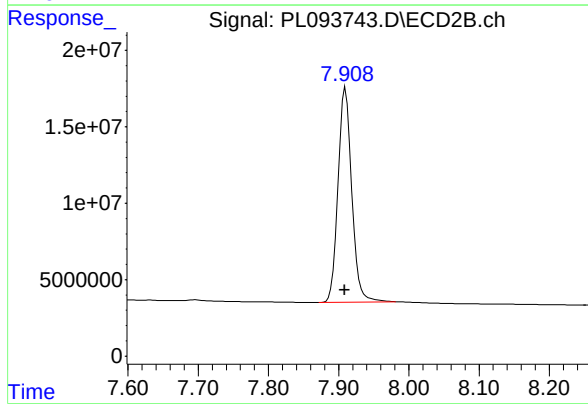
R.T.: 7.019 min  
Delta R.T.: 0.000 min  
Response: 182637497  
Conc: 54.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min  
Delta R.T.: 0.001 min  
Response: 108726317  
Conc: 51.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL012125



#28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.001 min  
Response: 190831116  
Conc: 54.46 ng/ml



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 11:17 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 3.99       | 4.00      | 3.90      | 4.10 | 0.01       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.77       | 4.77      | 4.67      | 4.87 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.91       | 4.91      | 4.81      | 5.01 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.57       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.79       | 6.79      | 6.69      | 6.89 | 0.00       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.00       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.64       | 7.64      | 7.54      | 7.74 | 0.00       |
| Endrin aldehyde      | 6.92       | 6.92      | 6.82      | 7.02 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

# CALIBRATION VERIFICATION SUMMARY

 Contract: RUTW01

 Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

 Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

 Continuing Calib Time: 11:17 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.91       | 7.91      | 7.81      | 8.01 | 0.00       |
| Tetrachloro-m-xylene | 2.77       | 2.77      | 2.67      | 2.87 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.01       |
| Aldrin               | 4.22       | 4.23      | 4.13      | 4.33 | 0.01       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| 4,4'-DDE             | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.93       | 5.93      | 5.83      | 6.03 | 0.00       |
| 4,4'-DDD             | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan sulfate   | 6.33       | 6.33      | 6.23      | 6.43 | 0.00       |
| 4,4'-DDT             | 6.03       | 6.03      | 5.93      | 6.13 | 0.00       |
| Methoxychlor         | 6.61       | 6.61      | 6.51      | 6.71 | 0.00       |
| Endrin ketone        | 6.84       | 6.84      | 6.74      | 6.94 | 0.00       |
| Endrin aldehyde      | 6.11       | 6.11      | 6.01      | 6.21 | 0.00       |
| alpha-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093930.D Time Analyzed: 11:17

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.709 | 6.608     | 6.808 | 50.910             | 50.000            | 1.8   |
| 4,4'-DDE             | 6.192 | 6.091     | 6.291 | 50.300             | 50.000            | 0.6   |
| 4,4'-DDT             | 7.023 | 6.922     | 7.122 | 52.710             | 50.000            | 5.4   |
| Aldrin               | 5.256 | 5.156     | 5.356 | 45.640             | 50.000            | -8.7  |
| alpha-BHC            | 3.993 | 3.895     | 4.095 | 47.930             | 50.000            | -4.1  |
| alpha-Chlordane      | 6.018 | 5.917     | 6.117 | 46.290             | 50.000            | -7.4  |
| beta-BHC             | 4.525 | 4.425     | 4.625 | 47.920             | 50.000            | -4.2  |
| Decachlorobiphenyl   | 9.055 | 8.953     | 9.153 | 45.000             | 50.000            | -10.0 |
| delta-BHC            | 4.772 | 4.672     | 4.872 | 44.790             | 50.000            | -10.4 |
| Dieldrin             | 6.344 | 6.243     | 6.443 | 45.550             | 50.000            | -8.9  |
| Endosulfan I         | 6.068 | 5.967     | 6.167 | 45.360             | 50.000            | -9.3  |
| Endosulfan II        | 6.793 | 6.692     | 6.892 | 45.890             | 50.000            | -8.2  |
| Endosulfan sulfate   | 7.158 | 7.057     | 7.257 | 44.420             | 50.000            | -11.2 |
| Endrin               | 6.572 | 6.472     | 6.672 | 46.850             | 50.000            | -6.3  |
| Endrin aldehyde      | 6.923 | 6.823     | 7.023 | 43.790             | 50.000            | -12.4 |
| Endrin ketone        | 7.644 | 7.542     | 7.742 | 44.060             | 50.000            | -11.9 |
| gamma-BHC (Lindane)  | 4.326 | 4.227     | 4.427 | 47.240             | 50.000            | -5.5  |
| gamma-Chlordane      | 5.939 | 5.838     | 6.038 | 46.300             | 50.000            | -7.4  |
| Heptachlor           | 4.914 | 4.814     | 5.014 | 49.110             | 50.000            | -1.8  |
| Heptachlor epoxide   | 5.683 | 5.582     | 5.782 | 44.870             | 50.000            | -10.3 |
| Methoxychlor         | 7.500 | 7.398     | 7.598 | 51.410             | 50.000            | 2.8   |
| Tetrachloro-m-xylene | 3.538 | 3.439     | 3.639 | 47.330             | 50.000            | -5.3  |





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

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093930.D Time Analyzed: 11:17

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.784 | 5.684     | 5.884 | 51.360             | 50.000            | 2.7   |
| 4,4'-DDE             | 5.229 | 5.130     | 5.330 | 51.230             | 50.000            | 2.5   |
| 4,4'-DDT             | 6.034 | 5.934     | 6.134 | 53.970             | 50.000            | 7.9   |
| Aldrin               | 4.224 | 4.125     | 4.325 | 46.010             | 50.000            | -8.0  |
| alpha-BHC            | 3.276 | 3.177     | 3.377 | 48.050             | 50.000            | -3.9  |
| alpha-Chlordane      | 5.040 | 4.940     | 5.140 | 47.780             | 50.000            | -4.4  |
| beta-BHC             | 3.906 | 3.807     | 4.007 | 47.900             | 50.000            | -4.2  |
| Decachlorobiphenyl   | 7.910 | 7.810     | 8.010 | 47.390             | 50.000            | -5.2  |
| delta-BHC            | 4.135 | 4.036     | 4.236 | 46.170             | 50.000            | -7.7  |
| Dieldrin             | 5.361 | 5.261     | 5.461 | 47.240             | 50.000            | -5.5  |
| Endosulfan I         | 5.096 | 4.996     | 5.196 | 44.020             | 50.000            | -12.0 |
| Endosulfan II        | 5.931 | 5.831     | 6.031 | 47.980             | 50.000            | -4.0  |
| Endosulfan sulfate   | 6.333 | 6.233     | 6.433 | 47.140             | 50.000            | -5.7  |
| Endrin               | 5.636 | 5.536     | 5.736 | 51.340             | 50.000            | 2.7   |
| Endrin aldehyde      | 6.110 | 6.010     | 6.210 | 44.640             | 50.000            | -10.7 |
| Endrin ketone        | 6.839 | 6.739     | 6.939 | 45.680             | 50.000            | -8.6  |
| gamma-BHC (Lindane)  | 3.606 | 3.507     | 3.707 | 45.940             | 50.000            | -8.1  |
| gamma-Chlordane      | 4.977 | 4.877     | 5.077 | 48.730             | 50.000            | -2.5  |
| Heptachlor           | 3.945 | 3.845     | 4.045 | 48.380             | 50.000            | -3.2  |
| Heptachlor epoxide   | 4.727 | 4.627     | 4.827 | 46.190             | 50.000            | -7.6  |
| Methoxychlor         | 6.610 | 6.509     | 6.709 | 52.540             | 50.000            | 5.1   |
| Tetrachloro-m-xylene | 2.774 | 2.674     | 2.874 | 47.580             | 50.000            | -4.8  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
 Data File : PL093930.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 11:17  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:23:38 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.538 | 2.774 | 127.4E6  | 155.3E6  | 47.327  | 47.575 |
| 28) SA Decachlor...         | 9.055 | 7.910 | 94144637 | 166.0E6  | 45.004  | 47.385 |
| Target Compounds            |       |       |          |          |         |        |
| 2) A alpha-BHC              | 3.993 | 3.276 | 183.7E6  | 234.9E6  | 47.926  | 48.046 |
| 3) MA gamma-BHC...          | 4.326 | 3.606 | 174.0E6  | 217.8E6  | 47.236  | 45.944 |
| 4) MA Heptachlor            | 4.914 | 3.945 | 160.9E6  | 225.2E6  | 49.109  | 48.385 |
| 5) MB Aldrin                | 5.256 | 4.224 | 149.3E6  | 209.9E6  | 45.636  | 46.013 |
| 6) B beta-BHC               | 4.525 | 3.906 | 77014994 | 95671218 | 47.915  | 47.897 |
| 7) B delta-BHC              | 4.772 | 4.135 | 157.0E6  | 219.4E6  | 44.786  | 46.173 |
| 8) B Heptachlo...           | 5.683 | 4.727 | 133.4E6  | 193.1E6  | 44.870  | 46.194 |
| 9) A Endosulfan I           | 6.068 | 5.096 | 119.9E6  | 170.7E6  | 45.357  | 44.018 |
| 10) B gamma-Chl...          | 5.939 | 4.977 | 129.1E6  | 206.5E6  | 46.299  | 48.732 |
| 11) B alpha-Chl...          | 6.018 | 5.040 | 129.1E6  | 200.0E6  | 46.293  | 47.776 |
| 12) B 4,4'-DDE              | 6.192 | 5.229 | 122.5E6  | 205.4E6  | 50.304  | 51.231 |
| 13) MA Dieldrin             | 6.344 | 5.361 | 126.4E6  | 202.9E6  | 45.545  | 47.243 |
| 14) MA Endrin               | 6.572 | 5.636 | 109.9E6  | 189.6E6  | 46.848m | 51.340 |
| 15) B Endosulfa...          | 6.793 | 5.931 | 110.6E6  | 177.7E6  | 45.886  | 47.978 |
| 16) A 4,4'-DDD              | 6.709 | 5.784 | 96757725 | 162.1E6  | 50.910  | 51.357 |
| 17) MA 4,4'-DDT             | 7.023 | 6.034 | 103.9E6  | 175.6E6  | 52.706  | 53.968 |
| 18) B Endrin al...          | 6.923 | 6.110 | 85137438 | 135.9E6  | 43.794  | 44.644 |
| 19) B Endosulfa...          | 7.158 | 6.333 | 100.5E6  | 168.1E6  | 44.416  | 47.138 |
| 20) A Methoxychlor          | 7.500 | 6.610 | 53646135 | 93951668 | 51.415  | 52.542 |
| 21) B Endrin ke...          | 7.644 | 6.839 | 111.1E6  | 191.6E6  | 44.056  | 45.678 |
| 22) Mirex                   | 8.116 | 7.019 | 86631474 | 145.6E6  | 41.600  | 43.065 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093930.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 11:17  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

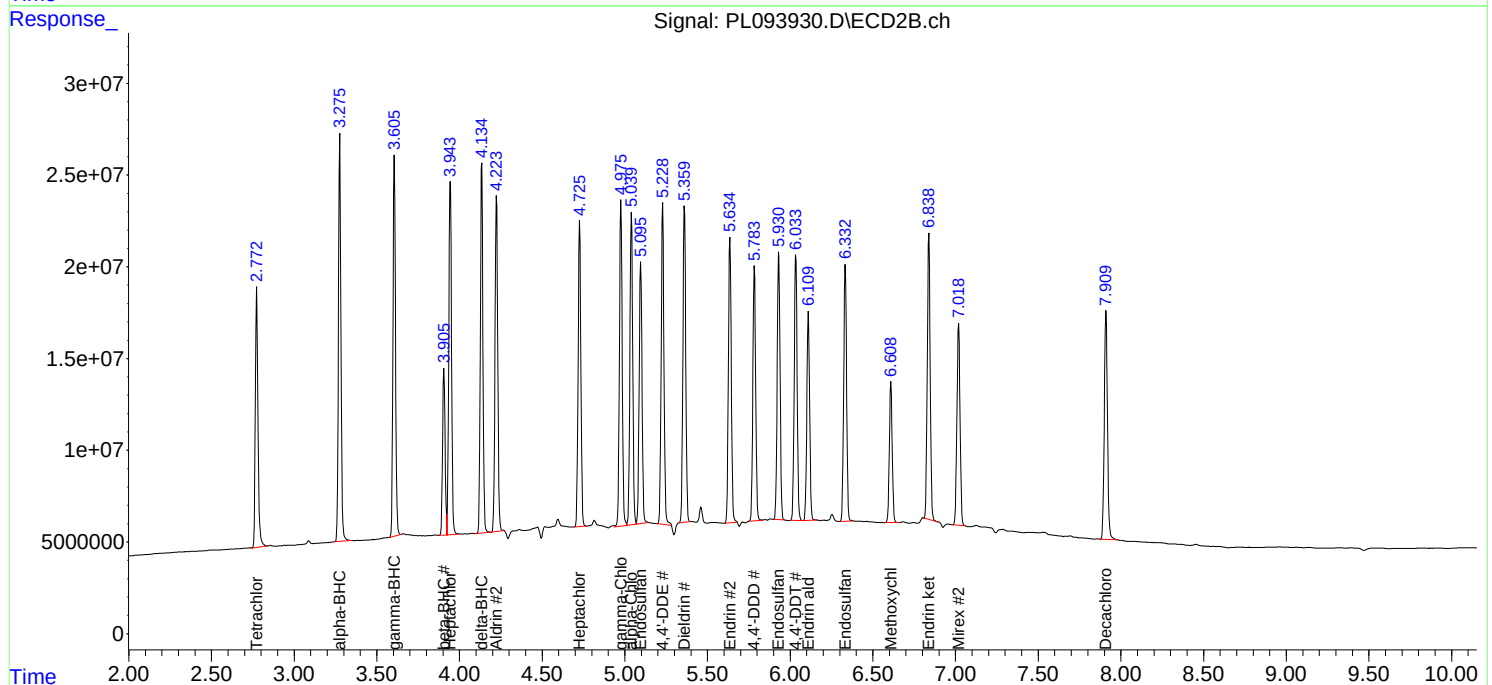
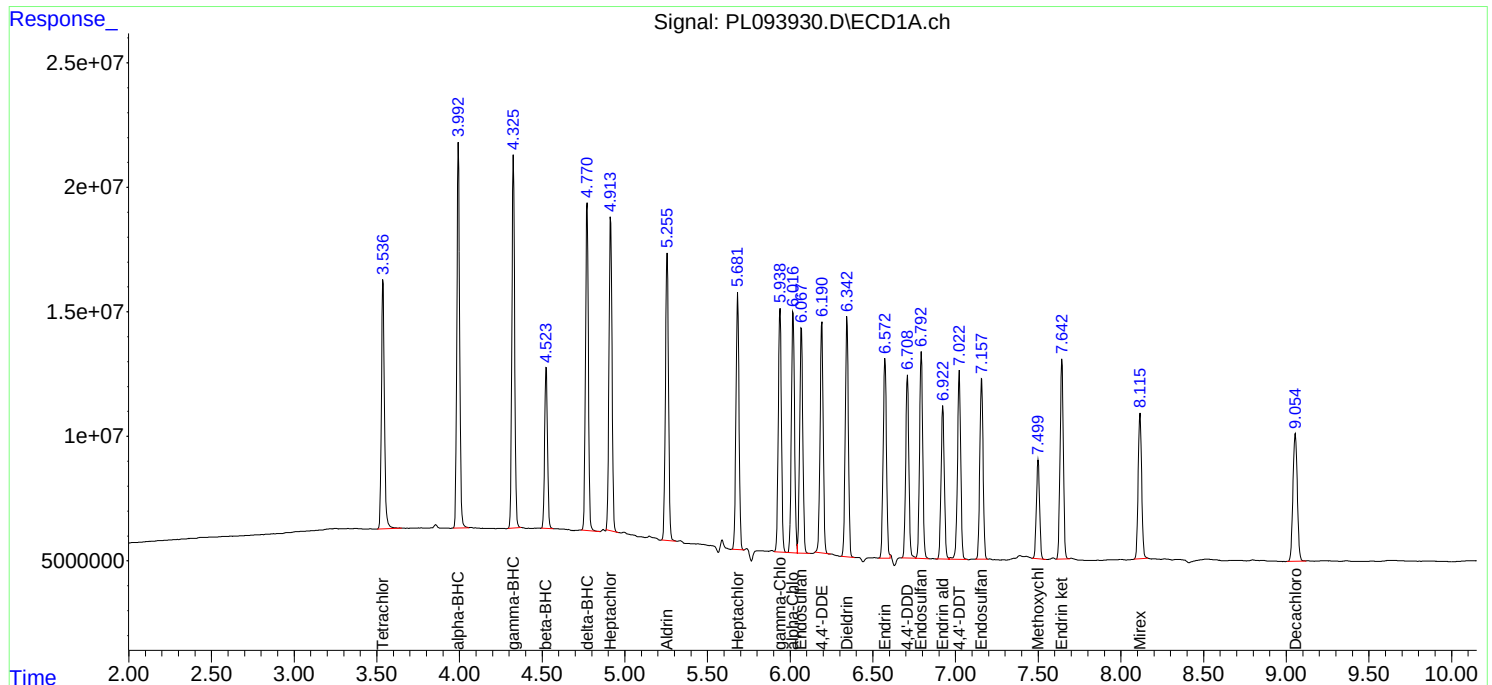
## APPROVED

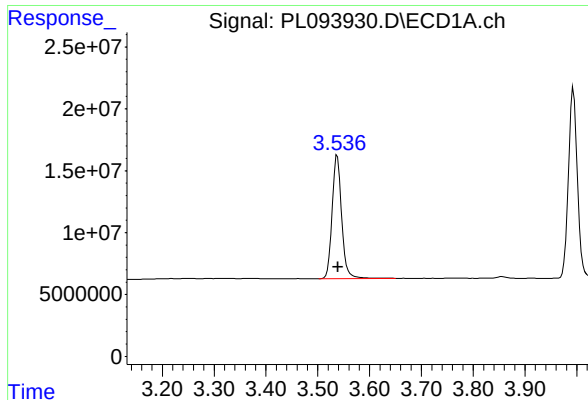
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:23:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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.: 3.538 min  
Delta R.T.: -0.001 min  
Response: 127440428  
Conc: 47.33 ng/ml

Instrument :

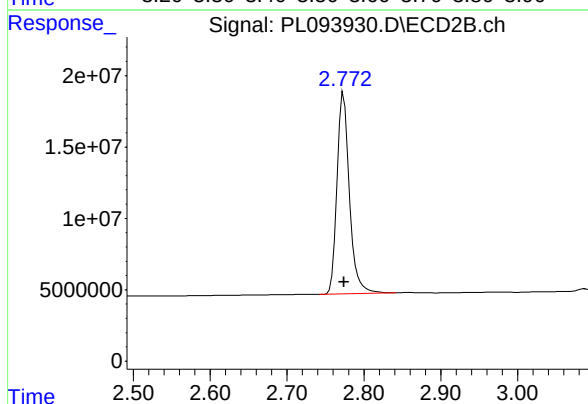
ECD\_L

ClientSampleId :

PSTDCCC050

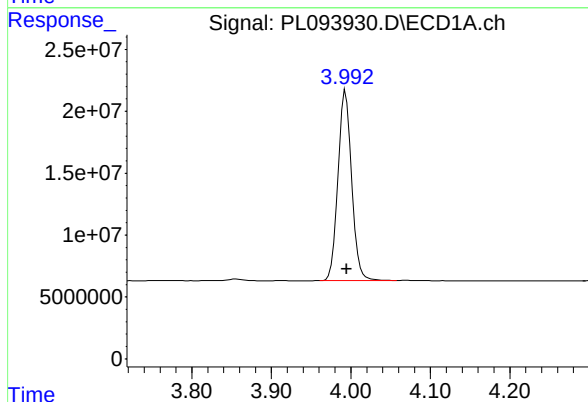
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



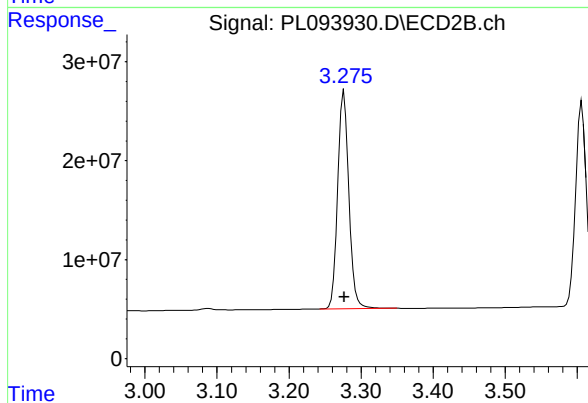
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 155293788  
Conc: 47.58 ng/ml



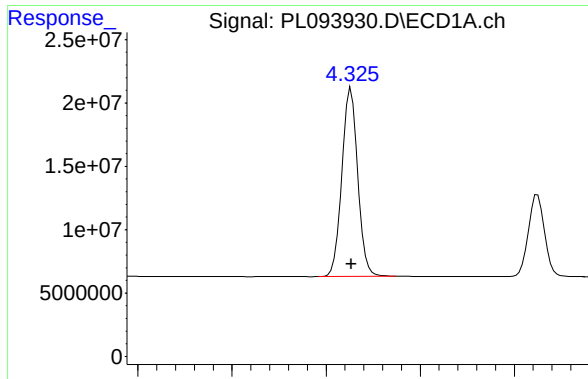
## #2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: -0.001 min  
Response: 183740365  
Conc: 47.93 ng/ml



## #2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 234896985  
Conc: 48.05 ng/ml



## #3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 173961937  
Conc: 47.24 ng/ml

Instrument :

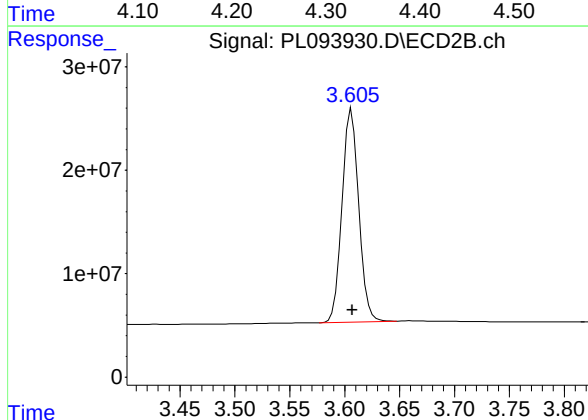
ECD\_L

ClientSampleId :

PSTDCCC050

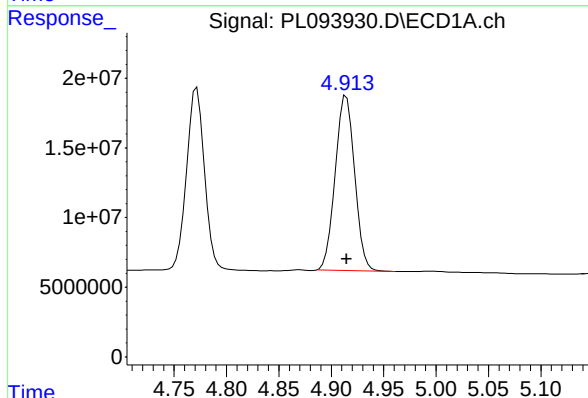
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



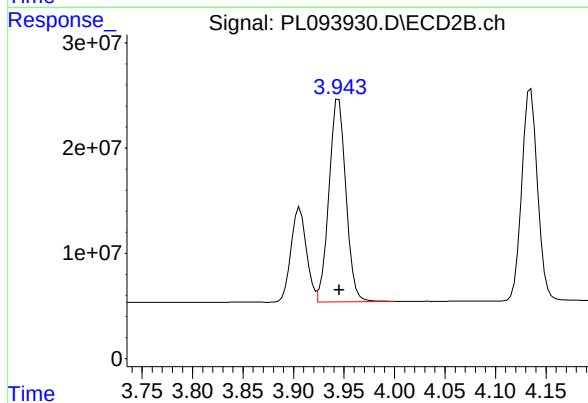
## #3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: 0.000 min  
Response: 217830151  
Conc: 45.94 ng/ml



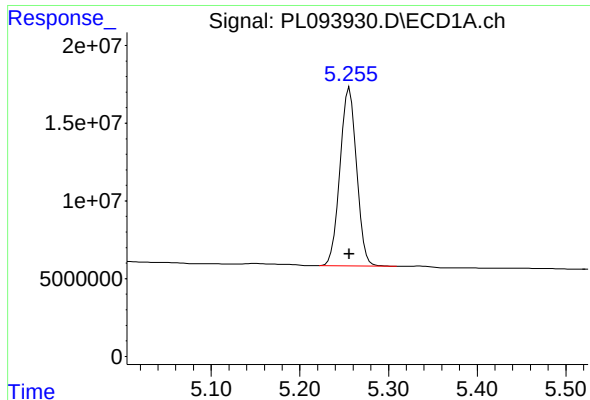
## #4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 160948171  
Conc: 49.11 ng/ml



## #4 Heptachlor

R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 225221625  
Conc: 48.38 ng/ml



#5 Aldrin

R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 149319432  
Conc: 45.64 ng/ml

Instrument :

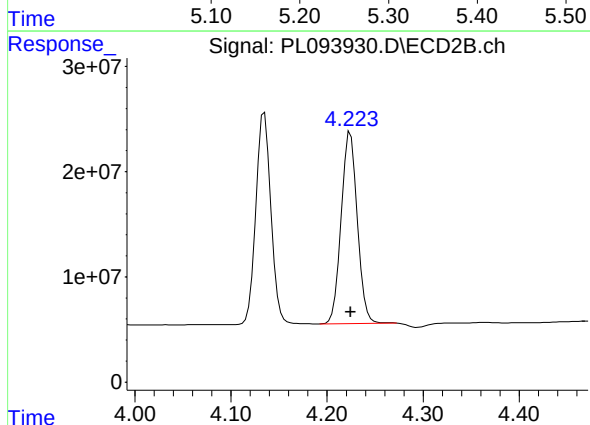
ECD\_L

ClientSampleId :

PSTDCCC050

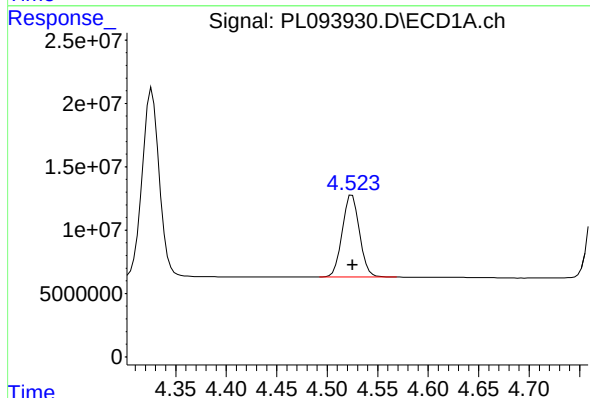
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



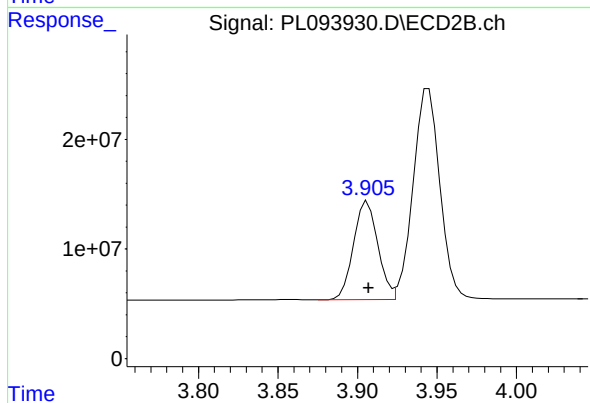
#5 Aldrin

R.T.: 4.224 min  
Delta R.T.: 0.000 min  
Response: 209902281  
Conc: 46.01 ng/ml



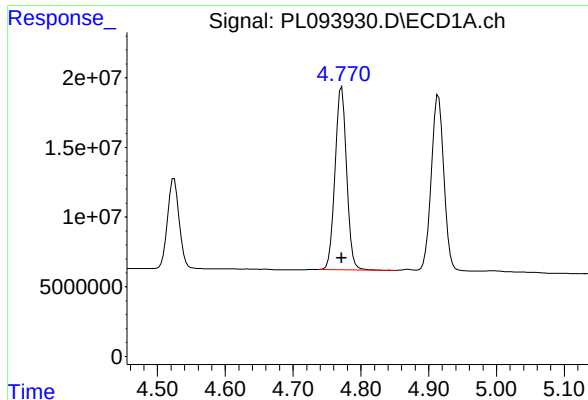
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 77014994  
Conc: 47.92 ng/ml



#6 beta-BHC

R.T.: 3.906 min  
Delta R.T.: 0.000 min  
Response: 95671218  
Conc: 47.90 ng/ml



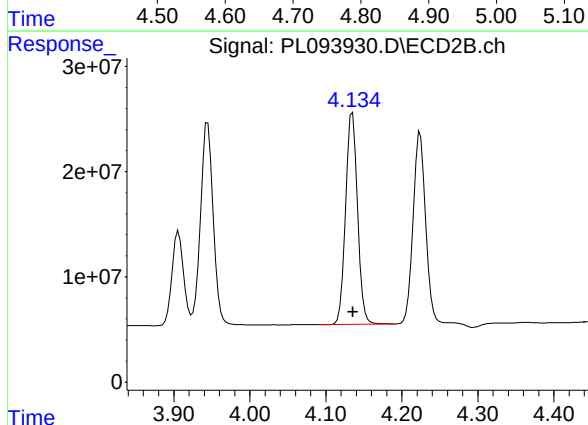
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 156988220  
Conc: 44.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

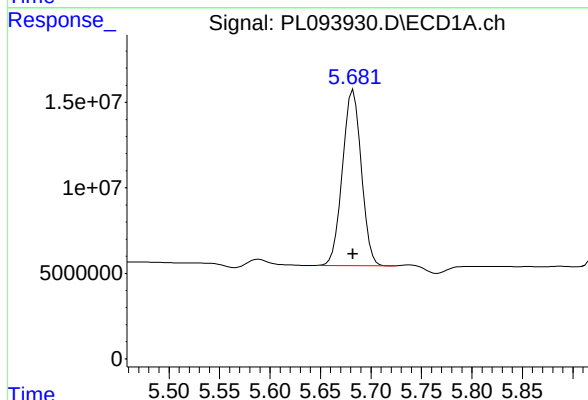
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



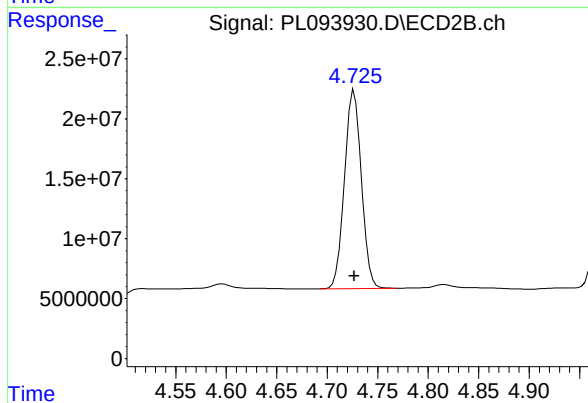
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 219380269  
Conc: 46.17 ng/ml



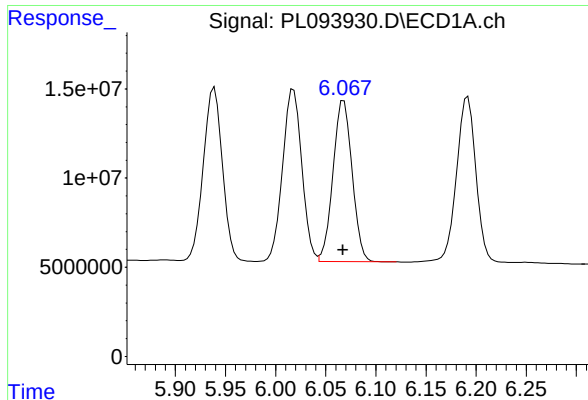
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 133436773  
Conc: 44.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 193104475  
Conc: 46.19 ng/ml



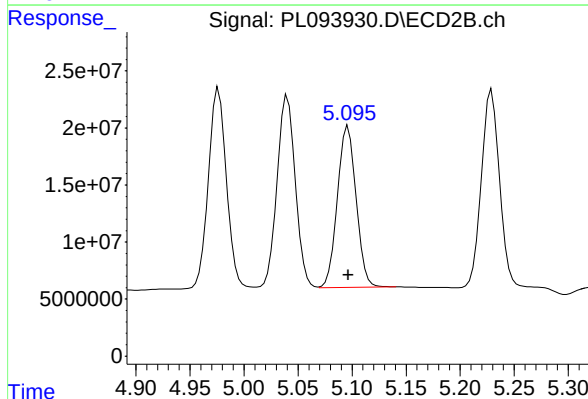
## #9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 119873285  
Conc: 45.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

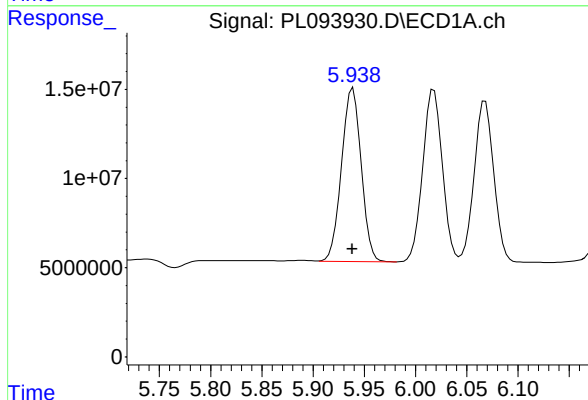
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



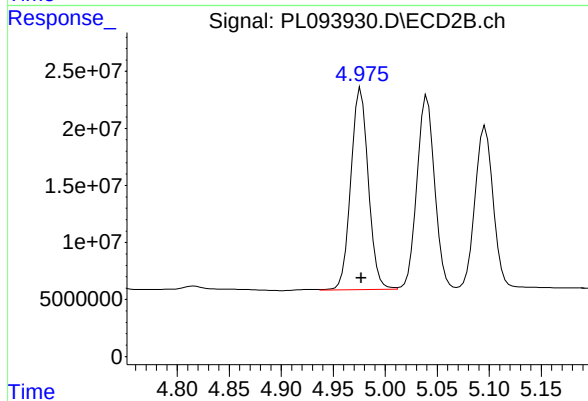
## #9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 170652524  
Conc: 44.02 ng/ml



## #10 gamma-Chlordane

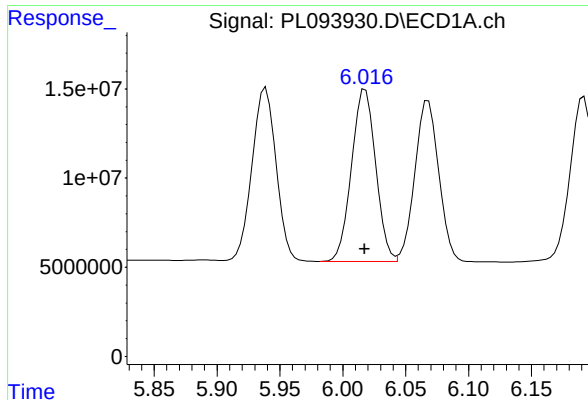
R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 129053291  
Conc: 46.30 ng/ml



## #10 gamma-Chlordane

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 206509157  
Conc: 48.73 ng/ml





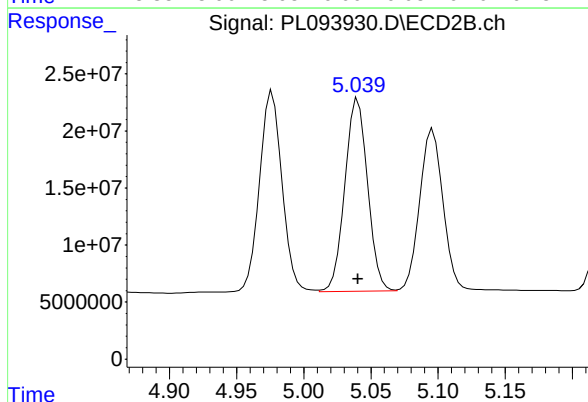
#11 alpha-Chlordane

R.T.: 6.018 min  
Delta R.T.: 0.000 min  
Response: 129083034  
Conc: 46.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

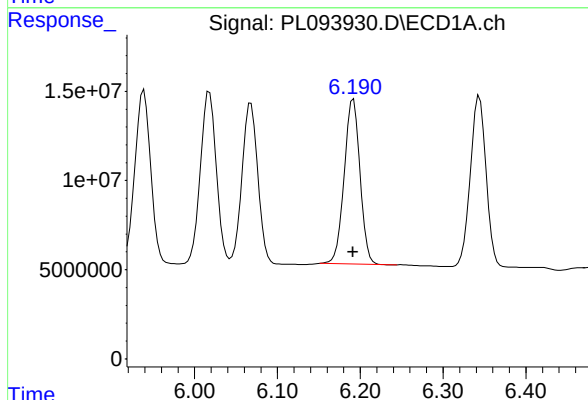
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



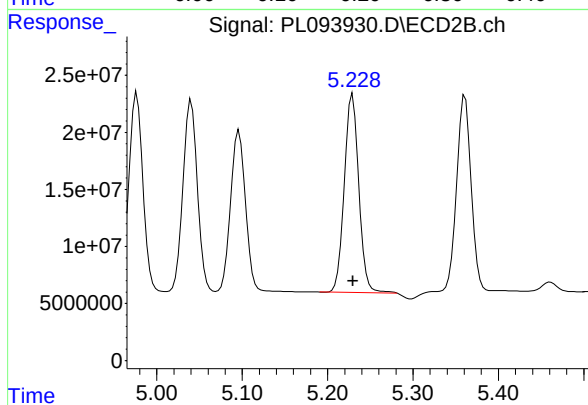
#11 alpha-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 200018297  
Conc: 47.78 ng/ml



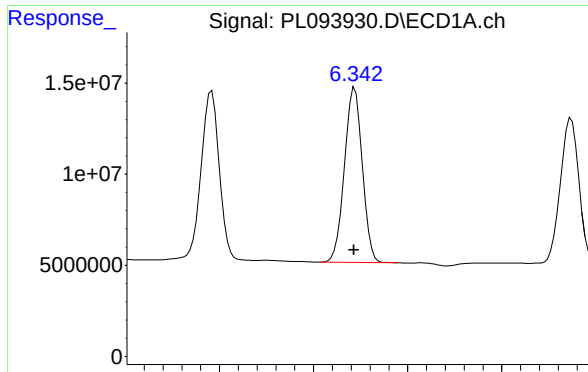
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 122470412  
Conc: 50.30 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 205409127  
Conc: 51.23 ng/ml



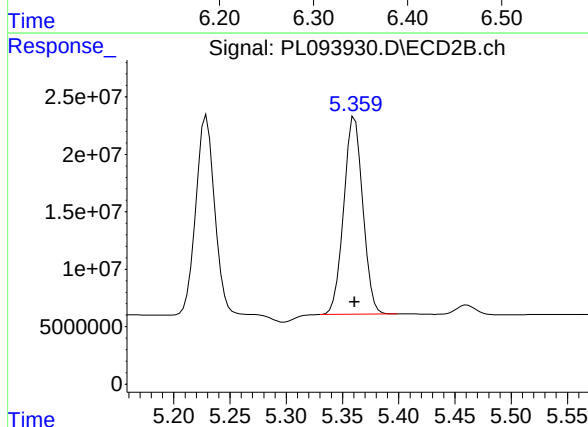
#13 Dieldrin

R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 126427219  
Conc: 45.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

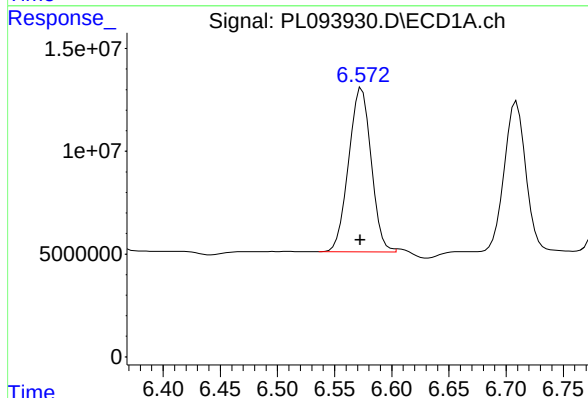
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



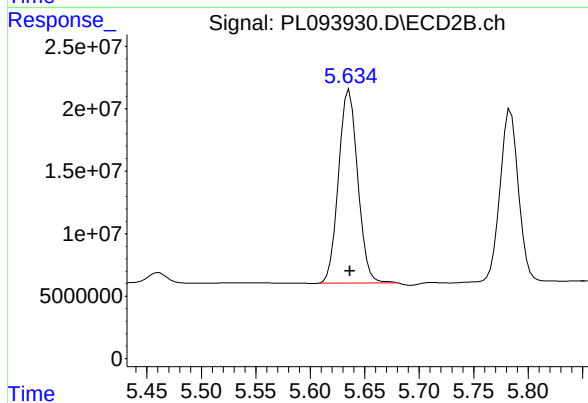
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 202939963  
Conc: 47.24 ng/ml



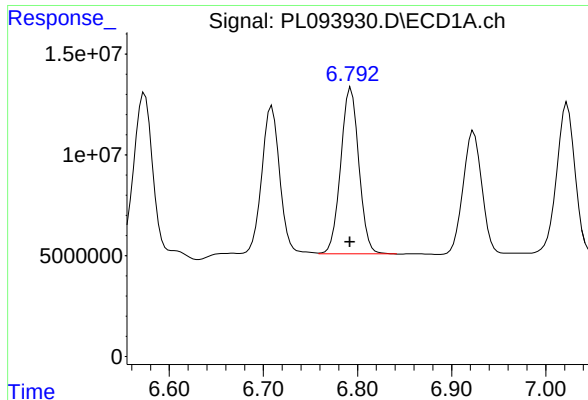
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 109850042  
Conc: 46.85 ng/ml m



#14 Endrin

R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 189582652  
Conc: 51.34 ng/ml



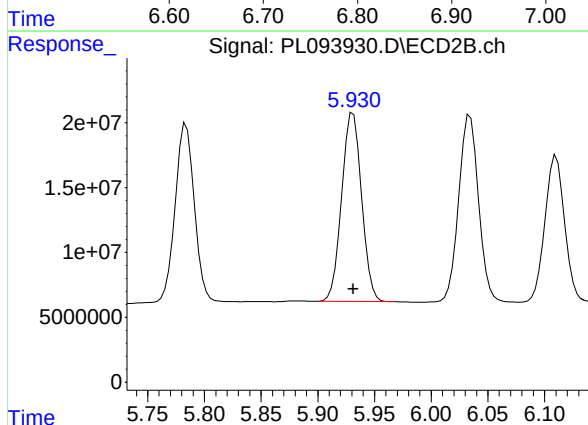
## #15 Endosulfan II

R.T.: 6.793 min  
Delta R.T.: 0.001 min  
Response: 110556362  
Conc: 45.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

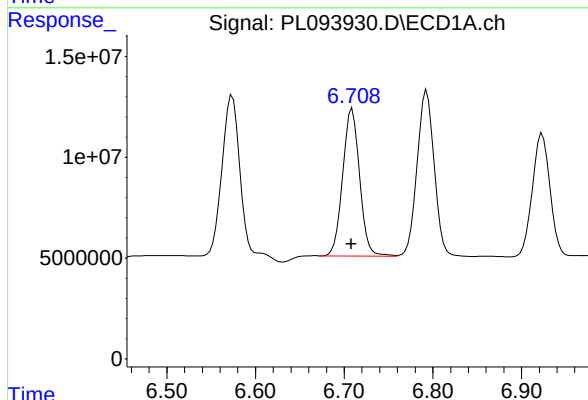
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



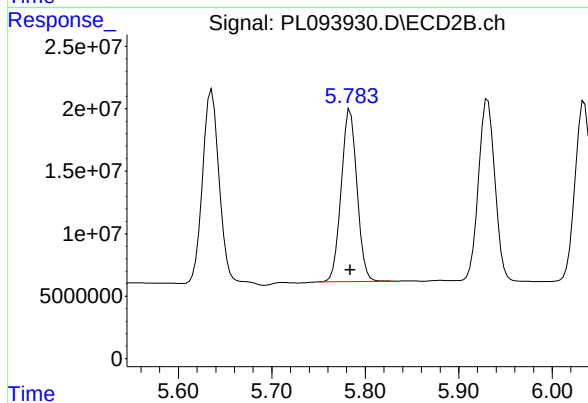
## #15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 177701011  
Conc: 47.98 ng/ml



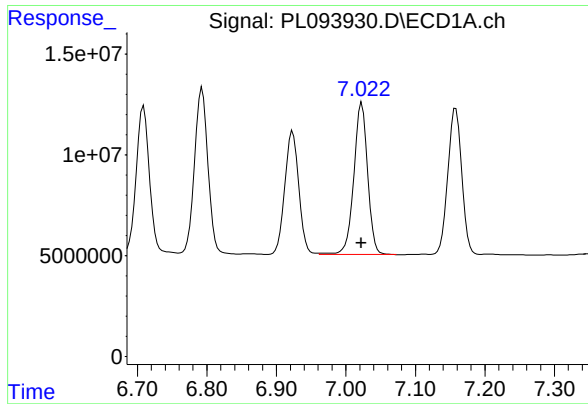
## #16 4,4'-DDD

R.T.: 6.709 min  
Delta R.T.: 0.000 min  
Response: 96757725  
Conc: 50.91 ng/ml



## #16 4,4'-DDD

R.T.: 5.784 min  
Delta R.T.: 0.000 min  
Response: 162110968  
Conc: 51.36 ng/ml



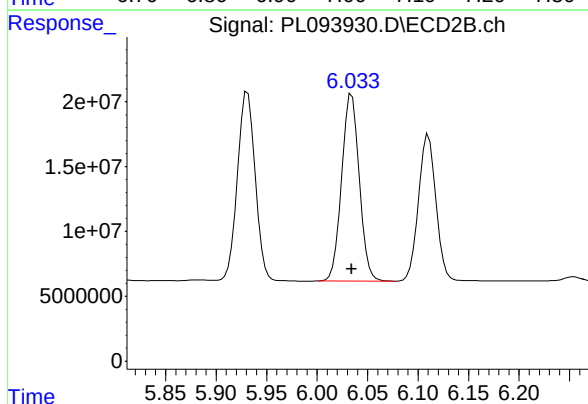
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.000 min  
Response: 103939183  
Conc: 52.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

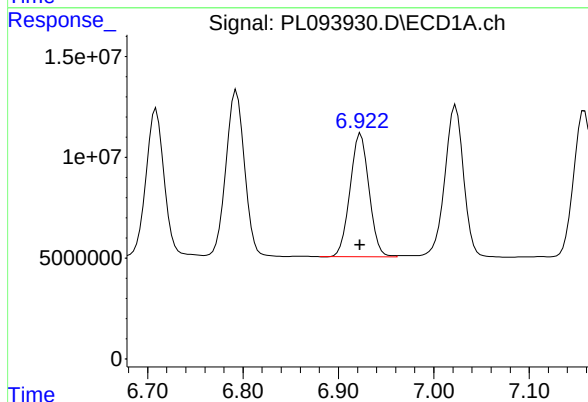
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



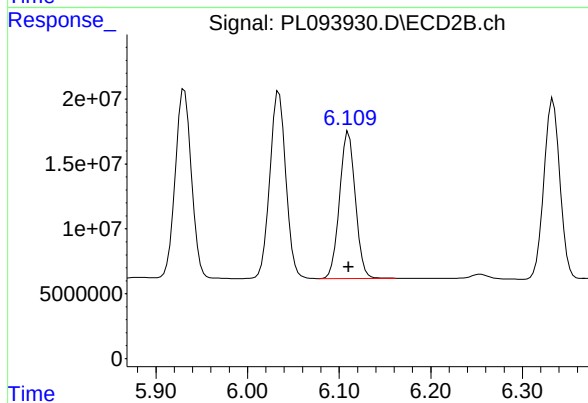
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 175614385  
Conc: 53.97 ng/ml



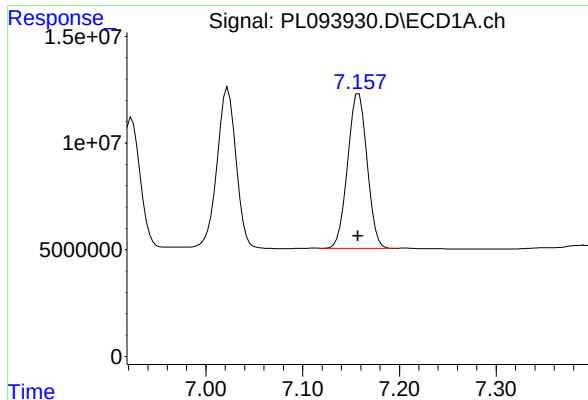
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 85137438  
Conc: 43.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 135925969  
Conc: 44.64 ng/ml



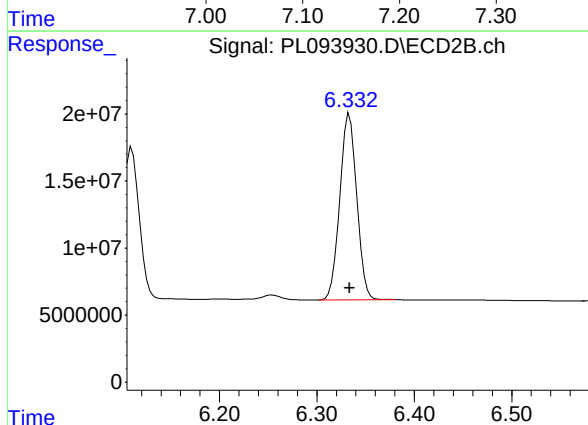
## #19 Endosulfan Sulfate

R.T.: 7.158 min  
Delta R.T.: 0.000 min  
Response: 100546133  
Conc: 44.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

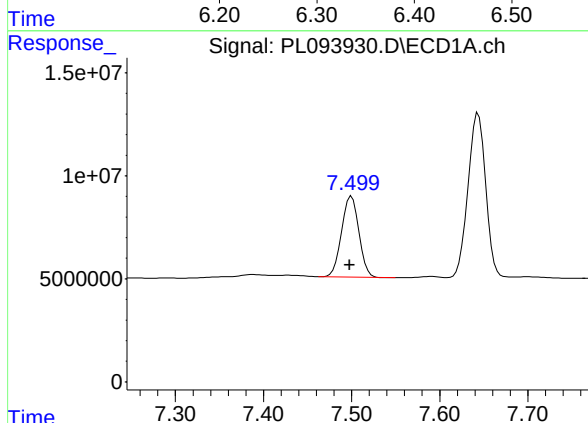
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



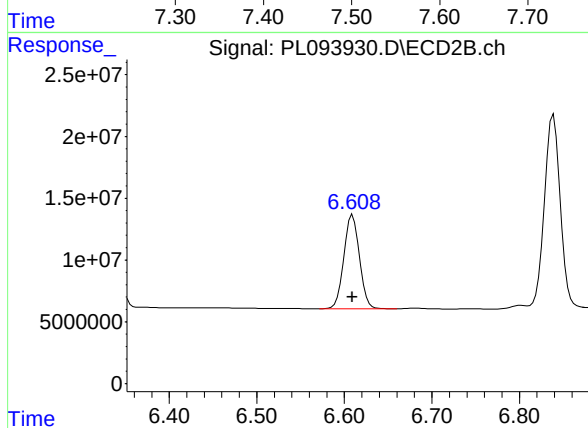
## #19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 168097604  
Conc: 47.14 ng/ml



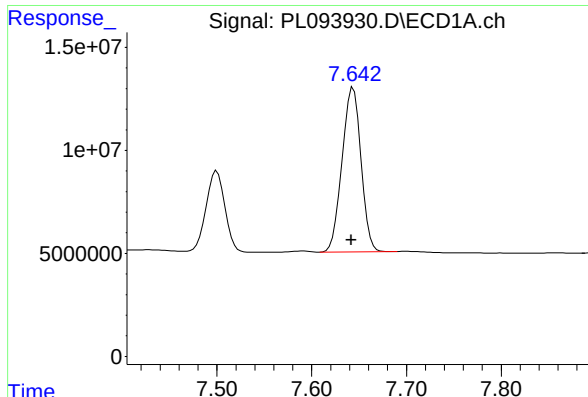
## #20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.002 min  
Response: 53646135  
Conc: 51.41 ng/ml



## #20 Methoxychlor

R.T.: 6.610 min  
Delta R.T.: 0.000 min  
Response: 93951668  
Conc: 52.54 ng/ml



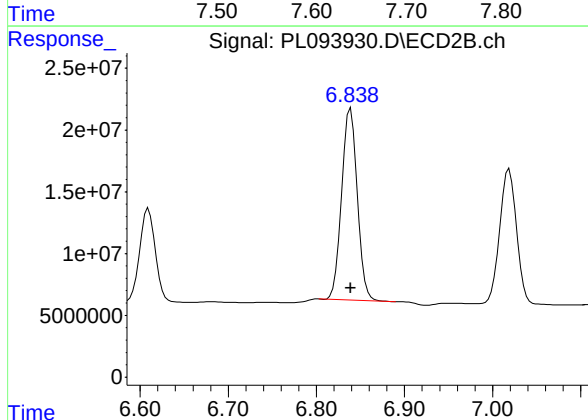
## #21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: 0.002 min  
Response: 111136103  
Conc: 44.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

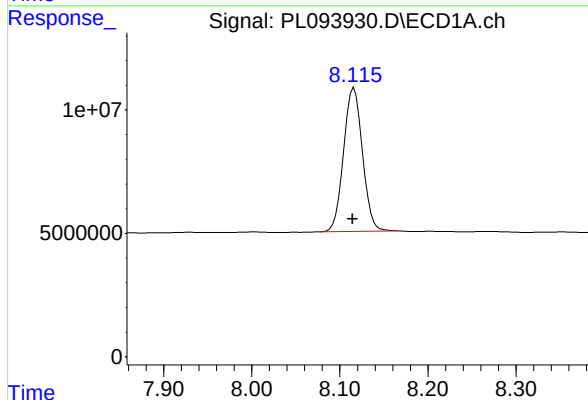
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



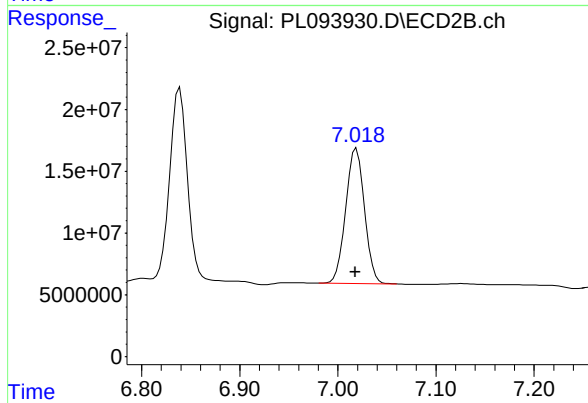
## #21 Endrin ketone

R.T.: 6.839 min  
Delta R.T.: 0.000 min  
Response: 191629552  
Conc: 45.68 ng/ml



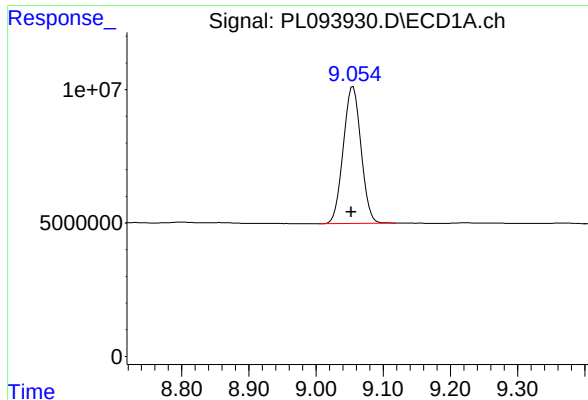
## #22 Mirex

R.T.: 8.116 min  
Delta R.T.: 0.001 min  
Response: 86631474  
Conc: 41.60 ng/ml



## #22 Mirex

R.T.: 7.019 min  
Delta R.T.: 0.001 min  
Response: 145642498  
Conc: 43.07 ng/ml



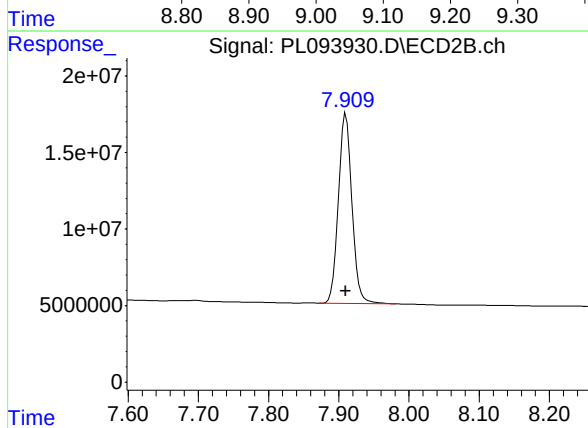
#28 Decachlorobiphenyl

R.T.: 9.055 min  
Delta R.T.: 0.002 min  
Response: 94144637  
Conc: 45.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.000 min  
Response: 166040514  
Conc: 47.39 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 15:10 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 3.99       | 4.00      | 3.90      | 4.10 | 0.01       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.77       | 4.77      | 4.67      | 4.87 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.91       | 4.91      | 4.81      | 5.01 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.57       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.79       | 6.79      | 6.69      | 6.89 | 0.00       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.00       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.64       | 7.64      | 7.54      | 7.74 | 0.00       |
| Endrin aldehyde      | 6.92       | 6.92      | 6.82      | 7.02 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |





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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 15:10 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.91       | 7.91      | 7.81      | 8.01 | 0.00       |
| Tetrachloro-m-xylene | 2.77       | 2.77      | 2.67      | 2.87 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.94       | 3.95      | 3.85      | 4.05 | 0.01       |
| Aldrin               | 4.22       | 4.23      | 4.13      | 4.33 | 0.01       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| 4,4'-DDE             | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.93       | 5.93      | 5.83      | 6.03 | 0.00       |
| 4,4'-DDD             | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan sulfate   | 6.33       | 6.33      | 6.23      | 6.43 | 0.00       |
| 4,4'-DDT             | 6.03       | 6.03      | 5.93      | 6.13 | 0.00       |
| Methoxychlor         | 6.61       | 6.61      | 6.51      | 6.71 | 0.00       |
| Endrin ketone        | 6.84       | 6.84      | 6.74      | 6.94 | 0.00       |
| Endrin aldehyde      | 6.11       | 6.11      | 6.01      | 6.21 | 0.00       |
| alpha-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093943.D Time Analyzed: 15:10

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.710 | 6.608     | 6.808 | 54.880             | 50.000            | 9.8  |
| 4,4'-DDE             | 6.192 | 6.091     | 6.291 | 53.640             | 50.000            | 7.3  |
| 4,4'-DDT             | 7.023 | 6.922     | 7.122 | 53.570             | 50.000            | 7.1  |
| Aldrin               | 5.256 | 5.156     | 5.356 | 48.820             | 50.000            | -2.4 |
| alpha-BHC            | 3.994 | 3.895     | 4.095 | 50.190             | 50.000            | 0.4  |
| alpha-Chlordane      | 6.018 | 5.917     | 6.117 | 50.080             | 50.000            | 0.2  |
| beta-BHC             | 4.525 | 4.425     | 4.625 | 49.660             | 50.000            | -0.7 |
| Decachlorobiphenyl   | 9.056 | 8.953     | 9.153 | 48.430             | 50.000            | -3.1 |
| delta-BHC            | 4.772 | 4.672     | 4.872 | 47.390             | 50.000            | -5.2 |
| Dieldrin             | 6.344 | 6.243     | 6.443 | 49.090             | 50.000            | -1.8 |
| Endosulfan I         | 6.069 | 5.967     | 6.167 | 49.170             | 50.000            | -1.7 |
| Endosulfan II        | 6.794 | 6.692     | 6.892 | 48.340             | 50.000            | -3.3 |
| Endosulfan sulfate   | 7.159 | 7.057     | 7.257 | 46.610             | 50.000            | -6.8 |
| Endrin               | 6.572 | 6.472     | 6.672 | 49.260             | 50.000            | -1.5 |
| Endrin aldehyde      | 6.924 | 6.823     | 7.023 | 46.580             | 50.000            | -6.8 |
| Endrin ketone        | 7.644 | 7.542     | 7.742 | 46.800             | 50.000            | -6.4 |
| gamma-BHC (Lindane)  | 4.326 | 4.227     | 4.427 | 49.360             | 50.000            | -1.3 |
| gamma-Chlordane      | 5.939 | 5.838     | 6.038 | 49.950             | 50.000            | -0.1 |
| Heptachlor           | 4.914 | 4.814     | 5.014 | 51.680             | 50.000            | 3.4  |
| Heptachlor epoxide   | 5.683 | 5.582     | 5.782 | 47.960             | 50.000            | -4.1 |
| Methoxychlor         | 7.500 | 7.398     | 7.598 | 53.190             | 50.000            | 6.4  |
| Tetrachloro-m-xylene | 3.537 | 3.439     | 3.639 | 49.370             | 50.000            | -1.3 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093943.D Time Analyzed: 15:10

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.784 | 5.684     | 5.884 | 53.890             | 50.000            | 7.8   |
| 4,4'-DDE             | 5.229 | 5.130     | 5.330 | 51.950             | 50.000            | 3.9   |
| 4,4'-DDT             | 6.034 | 5.934     | 6.134 | 53.920             | 50.000            | 7.8   |
| Aldrin               | 4.224 | 4.125     | 4.325 | 47.070             | 50.000            | -5.9  |
| alpha-BHC            | 3.276 | 3.177     | 3.377 | 49.480             | 50.000            | -1.0  |
| alpha-Chlordane      | 5.040 | 4.940     | 5.140 | 49.320             | 50.000            | -1.4  |
| beta-BHC             | 3.906 | 3.807     | 4.007 | 48.590             | 50.000            | -2.8  |
| Decachlorobiphenyl   | 7.911 | 7.810     | 8.010 | 49.210             | 50.000            | -1.6  |
| delta-BHC            | 4.135 | 4.036     | 4.236 | 46.340             | 50.000            | -7.3  |
| Dieldrin             | 5.361 | 5.261     | 5.461 | 48.660             | 50.000            | -2.7  |
| Endosulfan I         | 5.096 | 4.996     | 5.196 | 45.000             | 50.000            | -10.0 |
| Endosulfan II        | 5.931 | 5.831     | 6.031 | 49.800             | 50.000            | -0.4  |
| Endosulfan sulfate   | 6.333 | 6.233     | 6.433 | 48.390             | 50.000            | -3.2  |
| Endrin               | 5.636 | 5.536     | 5.736 | 51.550             | 50.000            | 3.1   |
| Endrin aldehyde      | 6.110 | 6.010     | 6.210 | 45.680             | 50.000            | -8.6  |
| Endrin ketone        | 6.839 | 6.739     | 6.939 | 48.250             | 50.000            | -3.5  |
| gamma-BHC (Lindane)  | 3.606 | 3.507     | 3.707 | 47.750             | 50.000            | -4.5  |
| gamma-Chlordane      | 4.976 | 4.877     | 5.077 | 50.160             | 50.000            | 0.3   |
| Heptachlor           | 3.944 | 3.845     | 4.045 | 49.210             | 50.000            | -1.6  |
| Heptachlor epoxide   | 4.726 | 4.627     | 4.827 | 47.640             | 50.000            | -4.7  |
| Methoxychlor         | 6.609 | 6.509     | 6.709 | 52.440             | 50.000            | 4.9   |
| Tetrachloro-m-xylene | 2.773 | 2.674     | 2.874 | 48.600             | 50.000            | -2.8  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
 Data File : PL093943.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 15:10  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:27:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.537 | 2.773 | 132.9E6  | 158.6E6  | 49.373  | 48.598 |
| 28) SA Decachlor...         | 9.056 | 7.911 | 101.3E6  | 172.5E6  | 48.428  | 49.215 |
| Target Compounds            |       |       |          |          |         |        |
| 2) A alpha-BHC              | 3.994 | 3.276 | 192.4E6  | 241.9E6  | 50.186  | 49.477 |
| 3) MA gamma-BHC...          | 4.326 | 3.606 | 181.8E6  | 226.4E6  | 49.362  | 47.751 |
| 4) MA Heptachlor            | 4.914 | 3.944 | 169.4E6  | 229.0E6  | 51.679  | 49.207 |
| 5) MB Aldrin                | 5.256 | 4.224 | 159.7E6  | 214.7E6  | 48.818  | 47.070 |
| 6) B beta-BHC               | 4.525 | 3.906 | 79824408 | 97064464 | 49.663  | 48.594 |
| 7) B delta-BHC              | 4.772 | 4.135 | 166.1E6  | 220.2E6  | 47.394  | 46.342 |
| 8) B Heptachlo...           | 5.683 | 4.726 | 142.6E6  | 199.2E6  | 47.965  | 47.644 |
| 9) A Endosulfan I           | 6.069 | 5.096 | 129.9E6  | 174.5E6  | 49.170  | 45.002 |
| 10) B gamma-Chl...          | 5.939 | 4.976 | 139.2E6  | 212.6E6  | 49.947  | 50.159 |
| 11) B alpha-Chl...          | 6.018 | 5.040 | 139.6E6  | 206.5E6  | 50.080  | 49.315 |
| 12) B 4,4'-DDE              | 6.192 | 5.229 | 130.6E6  | 208.3E6  | 53.645  | 51.946 |
| 13) MA Dieldrin             | 6.344 | 5.361 | 136.3E6  | 209.0E6  | 49.087  | 48.660 |
| 14) MA Endrin               | 6.572 | 5.636 | 115.5E6  | 190.4E6  | 49.261m | 51.548 |
| 15) B Endosulfa...          | 6.794 | 5.931 | 116.5E6  | 184.5E6  | 48.343  | 49.801 |
| 16) A 4,4'-DDD              | 6.710 | 5.784 | 104.3E6  | 170.1E6  | 54.876  | 53.888 |
| 17) MA 4,4'-DDT             | 7.023 | 6.034 | 105.6E6  | 175.4E6  | 53.568  | 53.917 |
| 18) B Endrin al...          | 6.924 | 6.110 | 90562659 | 139.1E6  | 46.584  | 45.676 |
| 19) B Endosulfa...          | 7.159 | 6.333 | 105.5E6  | 172.6E6  | 46.606  | 48.393 |
| 20) A Methoxychlor          | 7.500 | 6.609 | 55495800 | 93773372 | 53.188  | 52.442 |
| 21) B Endrin ke...          | 7.644 | 6.839 | 118.1E6  | 202.4E6  | 46.801  | 48.249 |
| 22) Mirex                   | 8.117 | 7.019 | 93662867 | 155.8E6  | 44.976  | 46.076 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093943.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 15:10  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

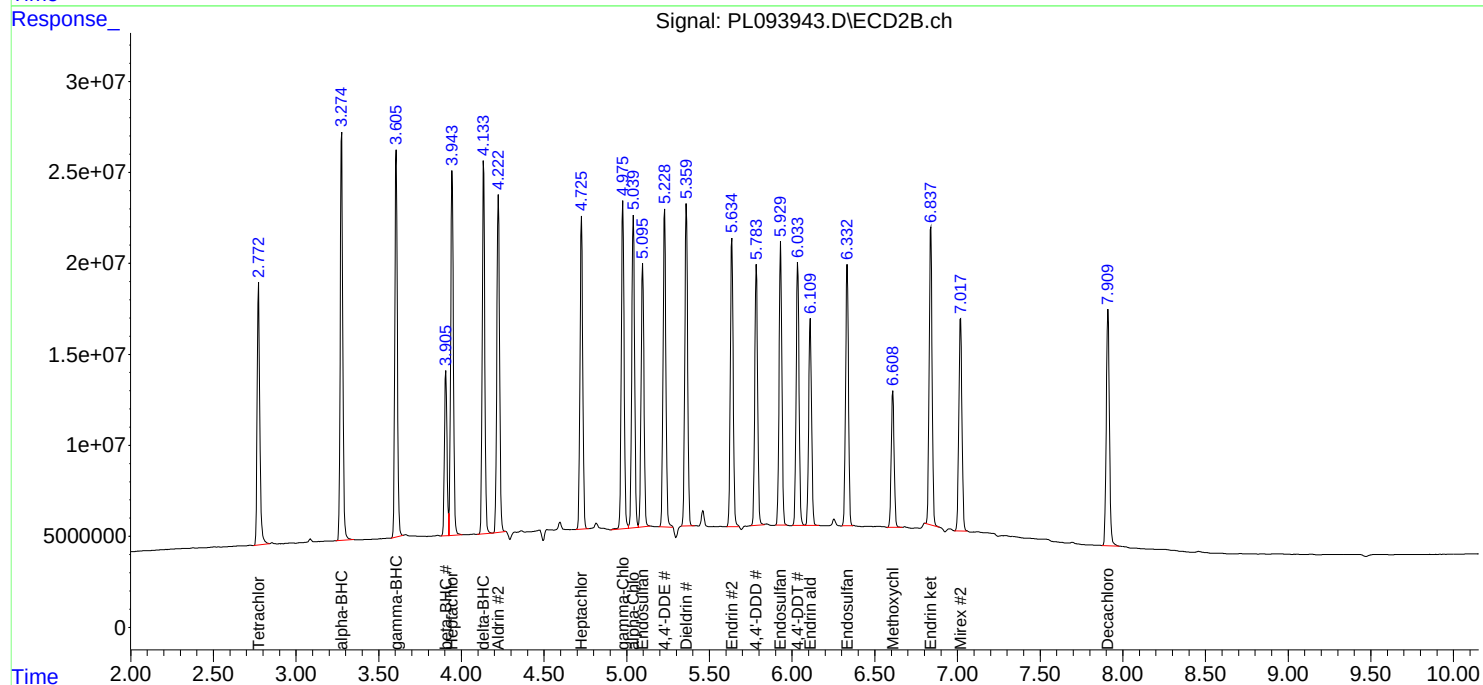
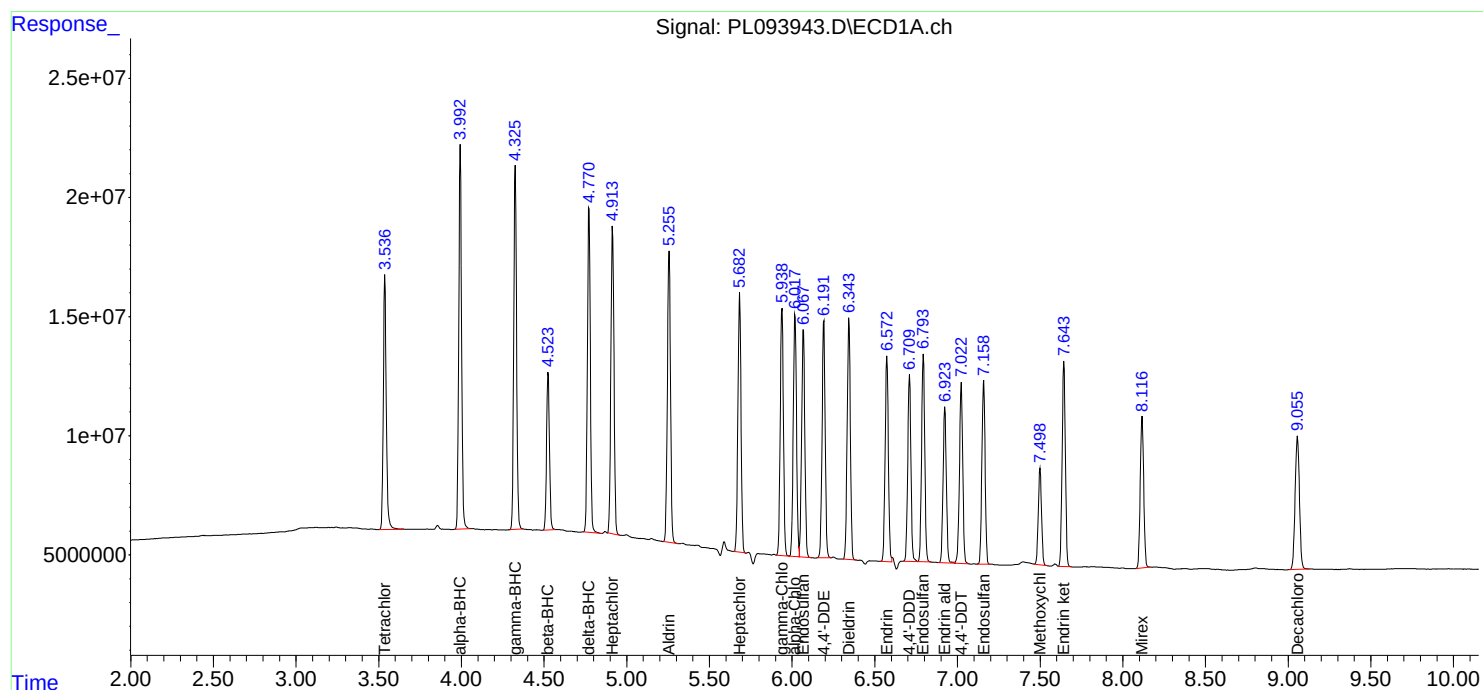
## APPROVED

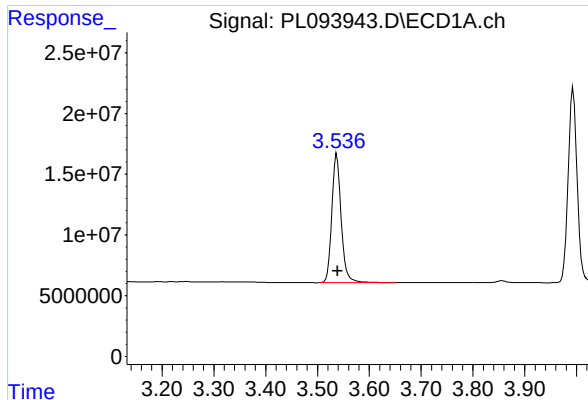
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:27:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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.: 3.537 min  
Delta R.T.: -0.002 min  
Response: 132948418  
Conc: 49.37 ng/ml

Instrument :

ECD\_L

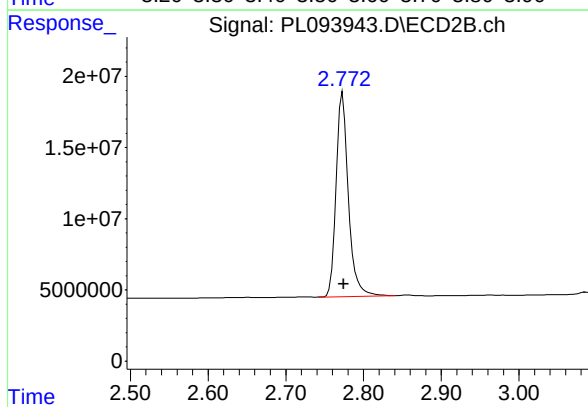
ClientSampleId :

PSTDCCC050

## Manual Integrations

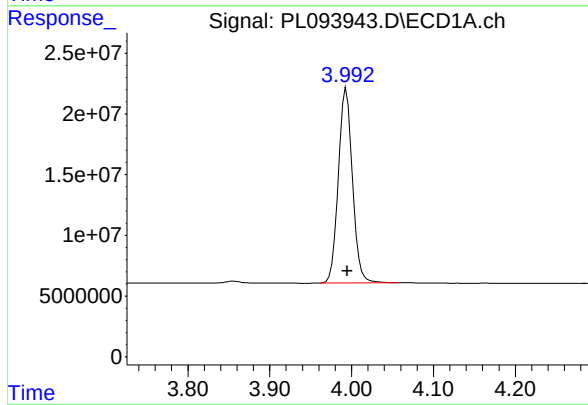
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



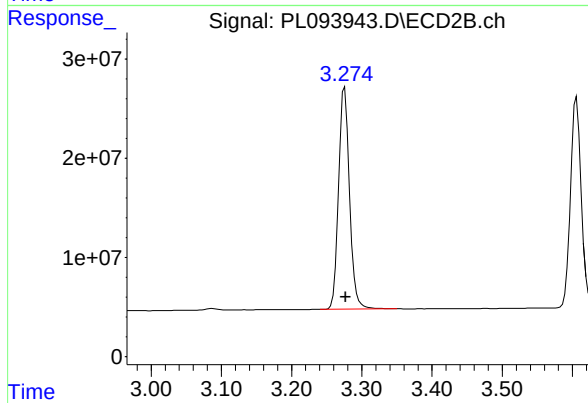
## #1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: -0.001 min  
Response: 158630081  
Conc: 48.60 ng/ml



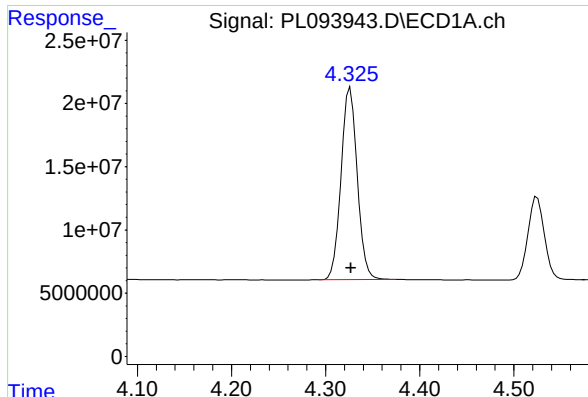
## #2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: -0.001 min  
Response: 192404145  
Conc: 50.19 ng/ml



## #2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: -0.001 min  
Response: 241892491  
Conc: 49.48 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 181790929  
Conc: 49.36 ng/ml

Instrument :

ECD\_L

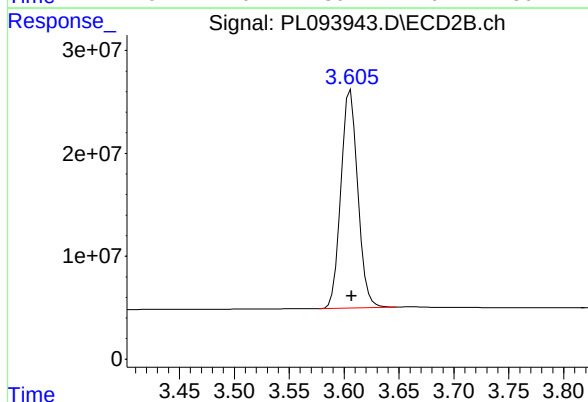
ClientSampleId :

PSTDCCC050

Manual Integrations

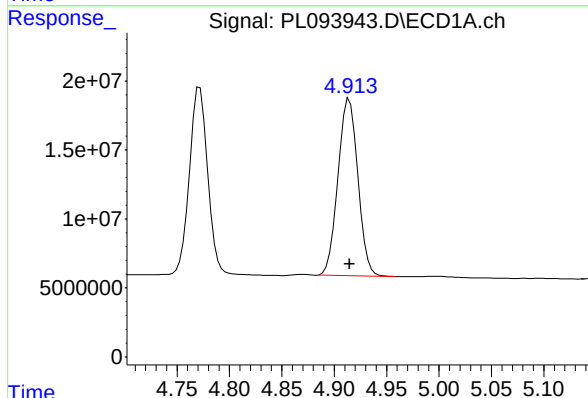
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



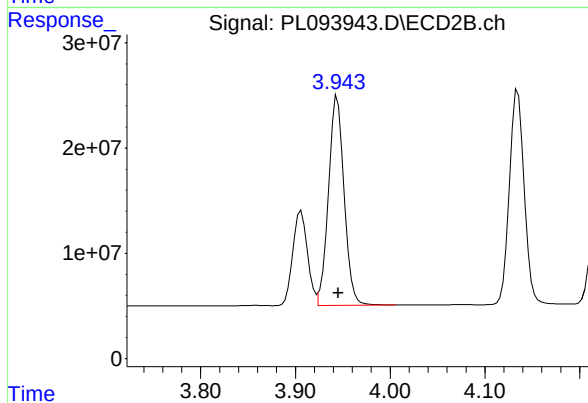
#3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: -0.001 min  
Response: 226396596  
Conc: 47.75 ng/ml



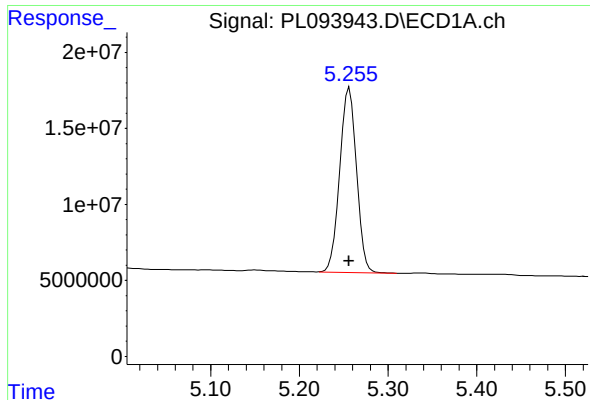
#4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 169368307  
Conc: 51.68 ng/ml



#4 Heptachlor

R.T.: 3.944 min  
Delta R.T.: 0.000 min  
Response: 229049342  
Conc: 49.21 ng/ml



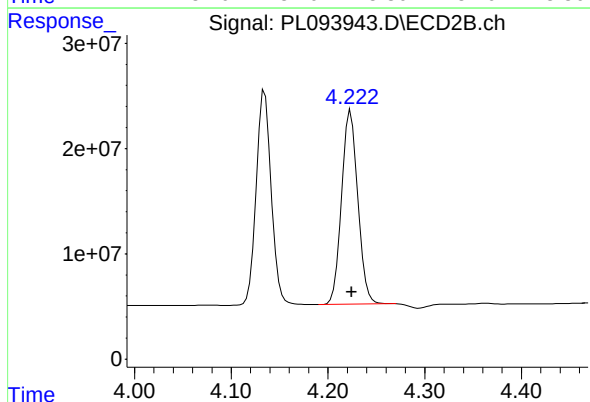
#5 Aldrin

R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 159729603  
Conc: 48.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

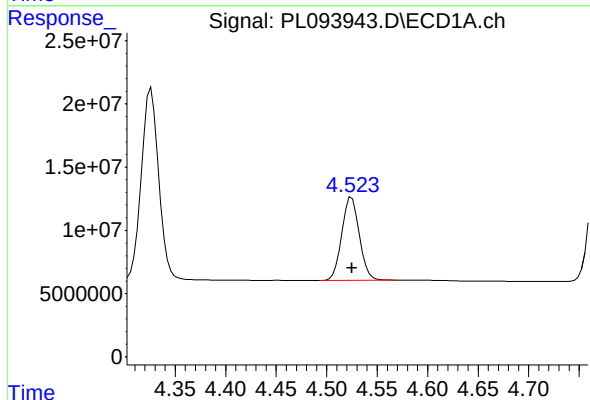
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



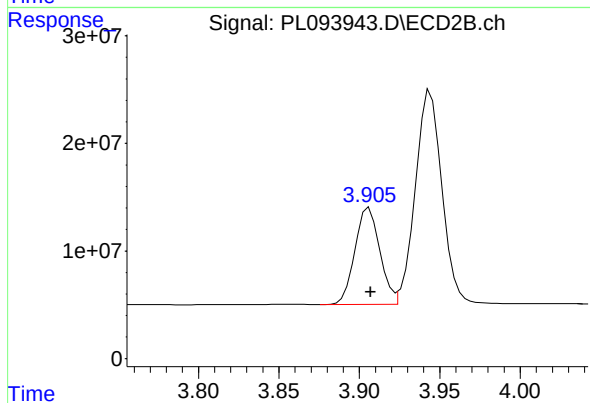
#5 Aldrin

R.T.: 4.224 min  
Delta R.T.: -0.001 min  
Response: 214722350  
Conc: 47.07 ng/ml



#6 beta-BHC

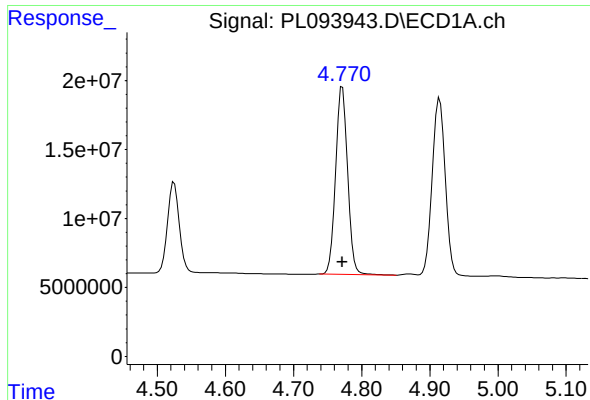
R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 79824408  
Conc: 49.66 ng/ml



#6 beta-BHC

R.T.: 3.906 min  
Delta R.T.: 0.000 min  
Response: 97064464  
Conc: 48.59 ng/ml





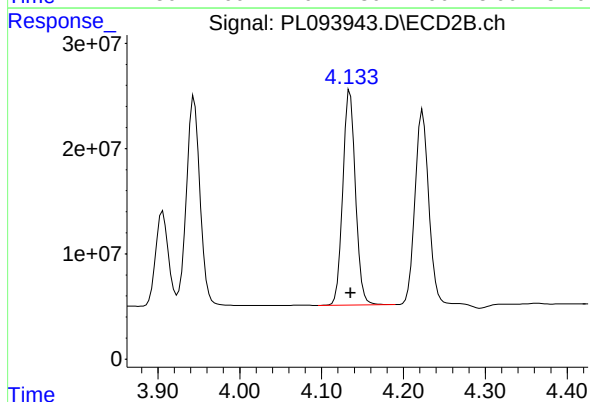
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 166130357  
Conc: 47.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

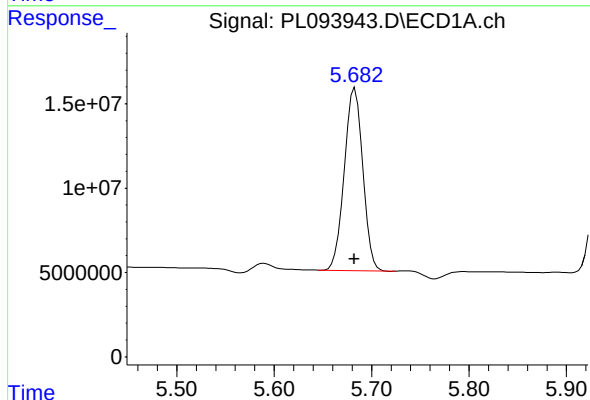
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



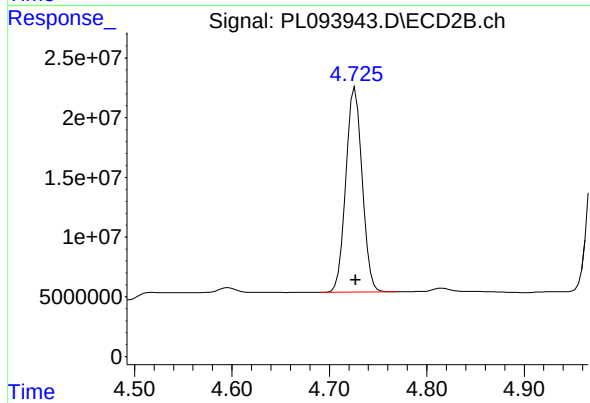
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 220181787  
Conc: 46.34 ng/ml



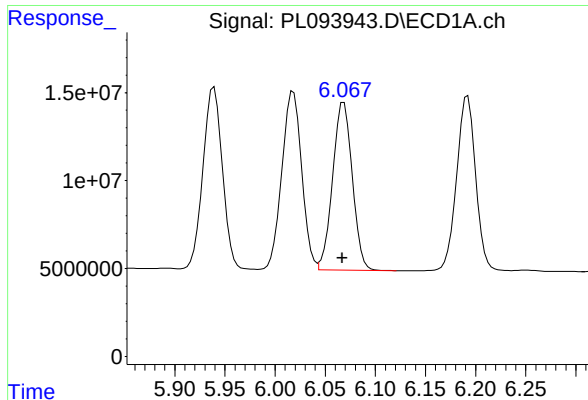
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 142638245  
Conc: 47.96 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min  
Delta R.T.: 0.000 min  
Response: 199163293  
Conc: 47.64 ng/ml



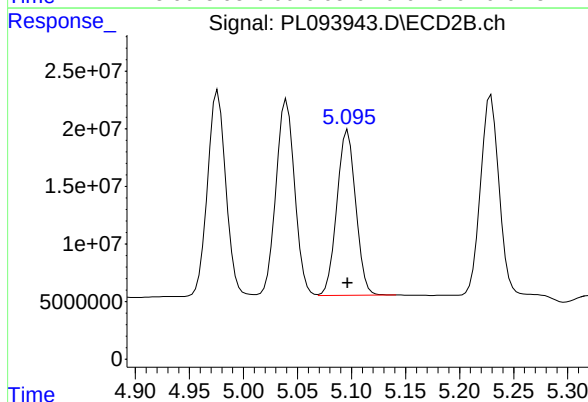
## #9 Endosulfan I

R.T.: 6.069 min  
Delta R.T.: 0.001 min  
Response: 129949655  
Conc: 49.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

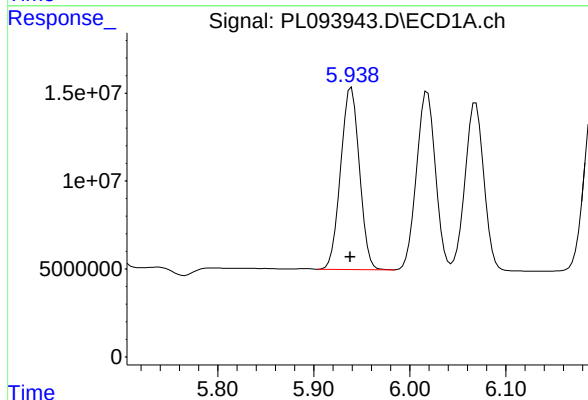
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



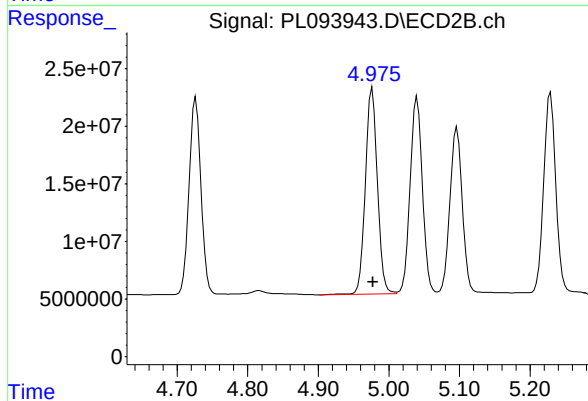
## #9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 174469159  
Conc: 45.00 ng/ml



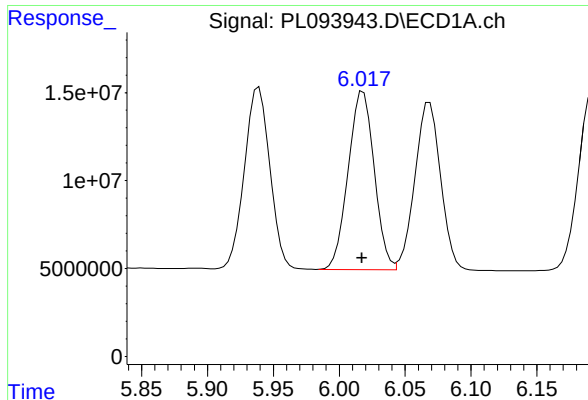
## #10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 139220700  
Conc: 49.95 ng/ml



## #10 gamma-Chlordane

R.T.: 4.976 min  
Delta R.T.: 0.000 min  
Response: 212552875  
Conc: 50.16 ng/ml



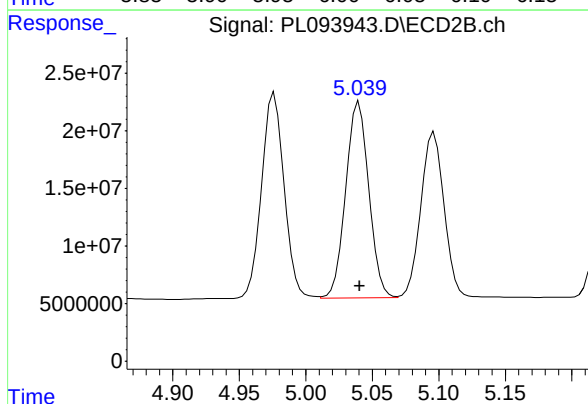
#11 alpha-Chlordane

R.T.: 6.018 min  
Delta R.T.: 0.000 min  
Response: 139642336  
Conc: 50.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

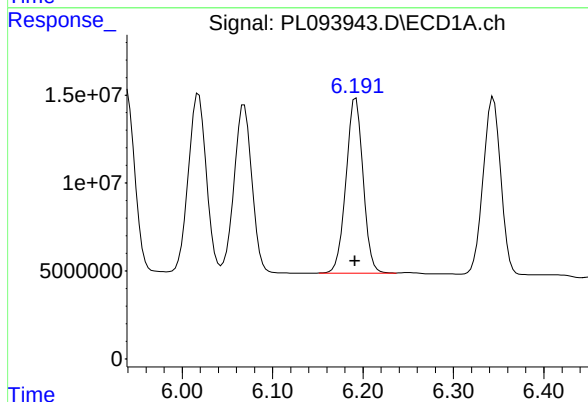
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 02/03/2025



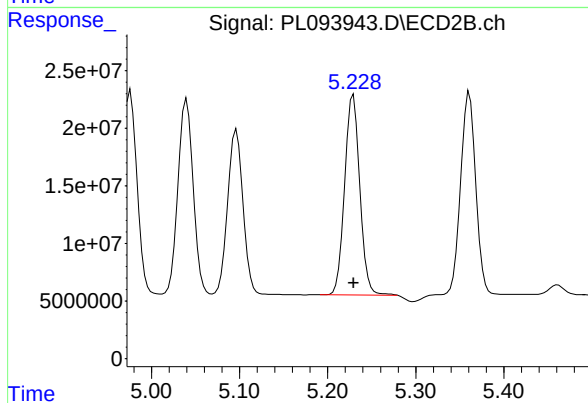
#11 alpha-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 206461185  
Conc: 49.32 ng/ml



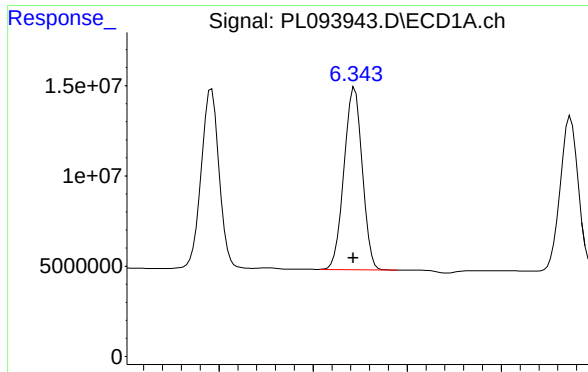
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 130603013  
Conc: 53.64 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 208276185  
Conc: 51.95 ng/ml



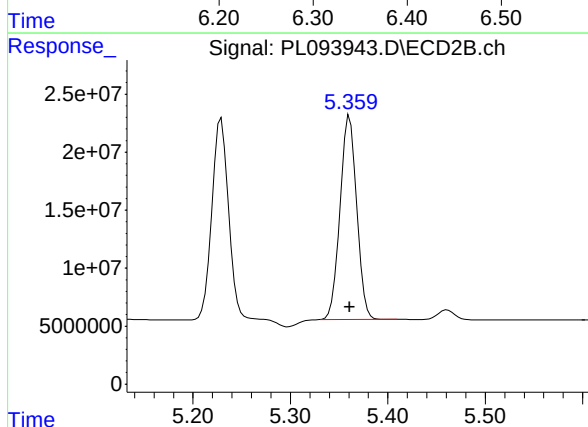
#13 Dieldrin

R.T.: 6.344 min  
Delta R.T.: 0.001 min  
Response: 136258977  
Conc: 49.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

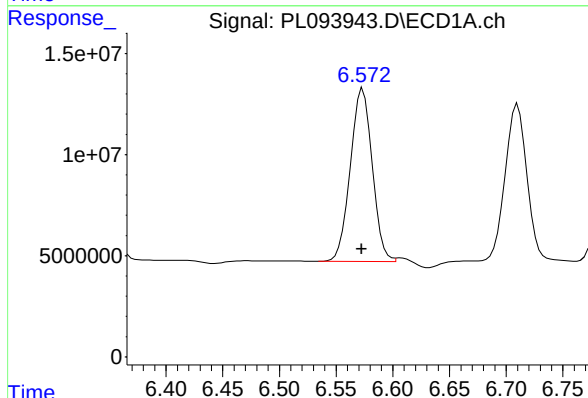
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



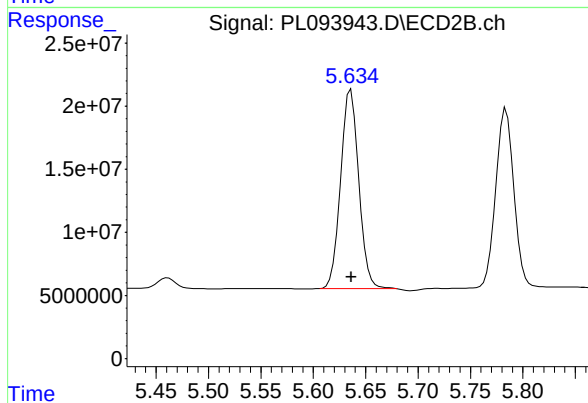
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 209025626  
Conc: 48.66 ng/ml



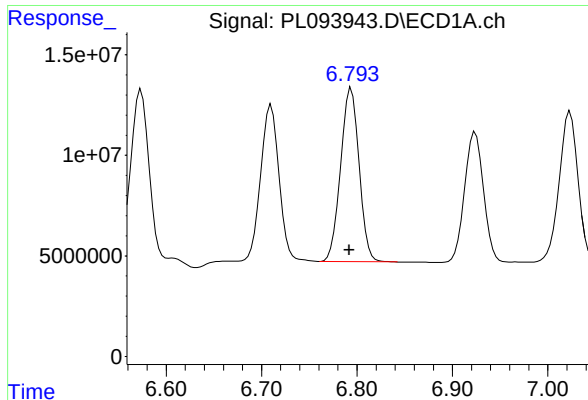
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 115508037  
Conc: 49.26 ng/ml m



#14 Endrin

R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 190350317  
Conc: 51.55 ng/ml



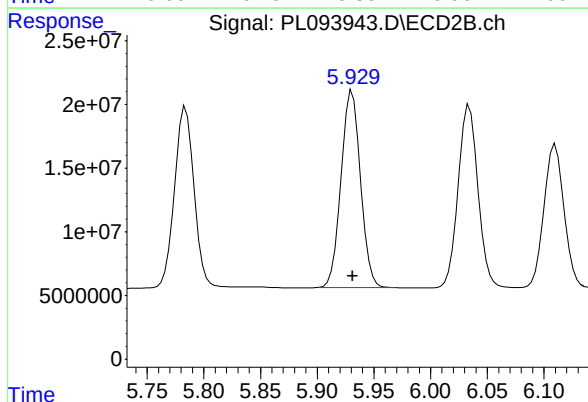
## #15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: 0.002 min  
Response: 116474797  
Conc: 48.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

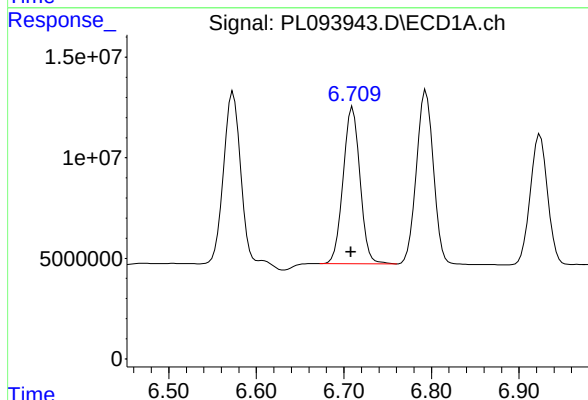
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



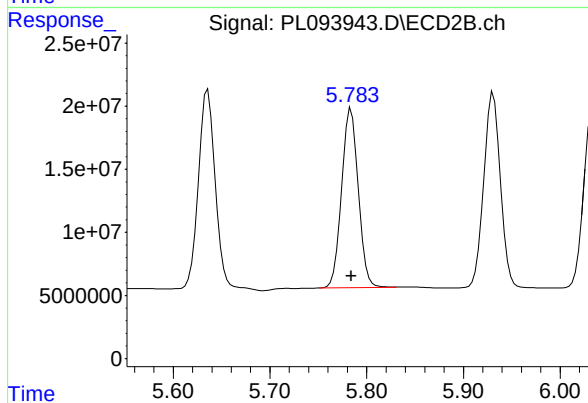
## #15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 184453995  
Conc: 49.80 ng/ml



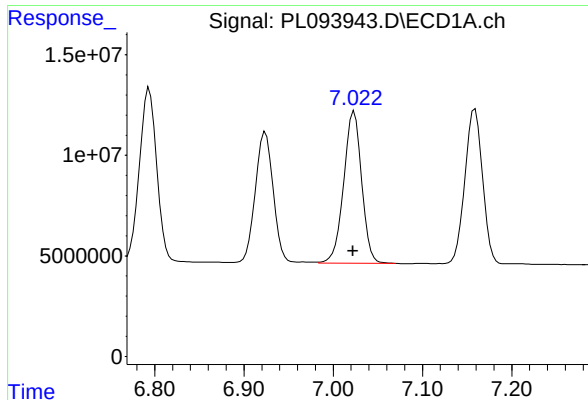
## #16 4,4'-DDD

R.T.: 6.710 min  
Delta R.T.: 0.002 min  
Response: 104295691  
Conc: 54.88 ng/ml



## #16 4,4'-DDD

R.T.: 5.784 min  
Delta R.T.: 0.000 min  
Response: 170099239  
Conc: 53.89 ng/ml



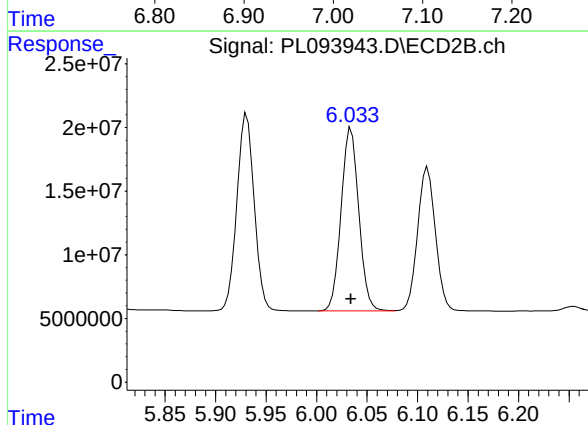
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.001 min  
Response: 105638372  
Conc: 53.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

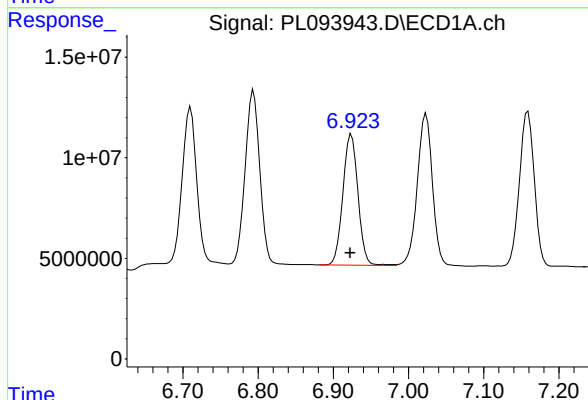
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



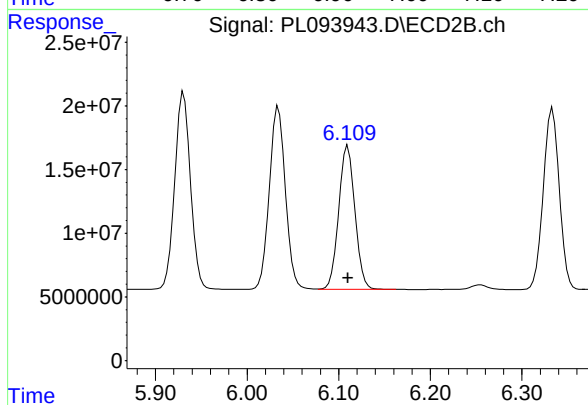
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 175446797  
Conc: 53.92 ng/ml



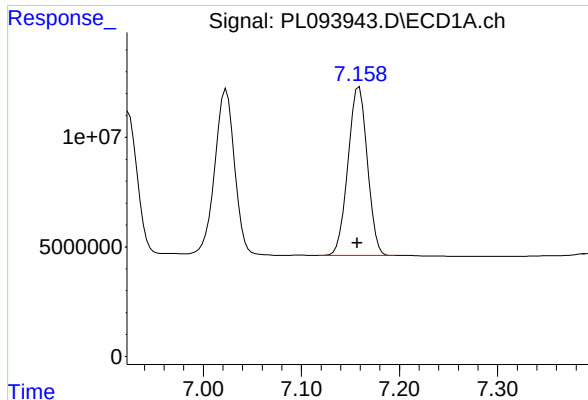
#18 Endrin aldehyde

R.T.: 6.924 min  
Delta R.T.: 0.001 min  
Response: 90562659  
Conc: 46.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 139067043  
Conc: 45.68 ng/ml



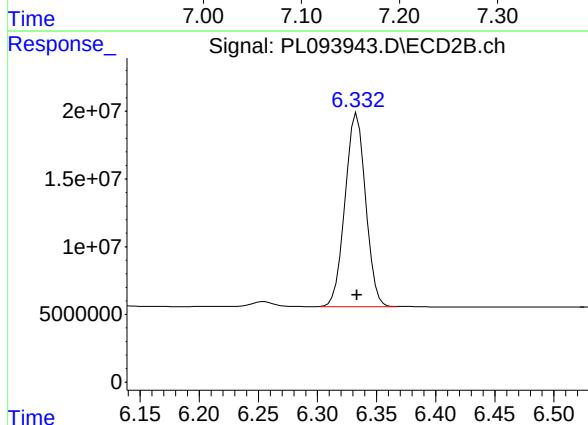
## #19 Endosulfan Sulfate

R.T.: 7.159 min  
Delta R.T.: 0.002 min  
Response: 105503247  
Conc: 46.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

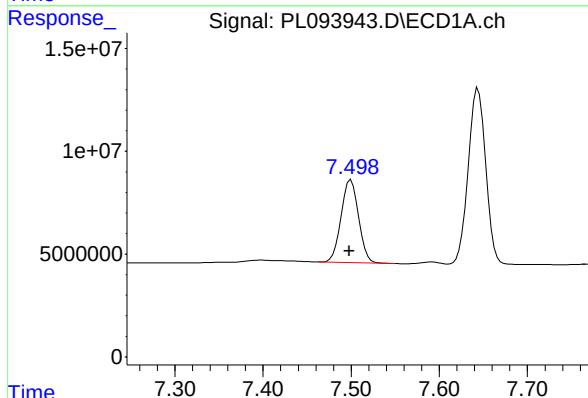
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



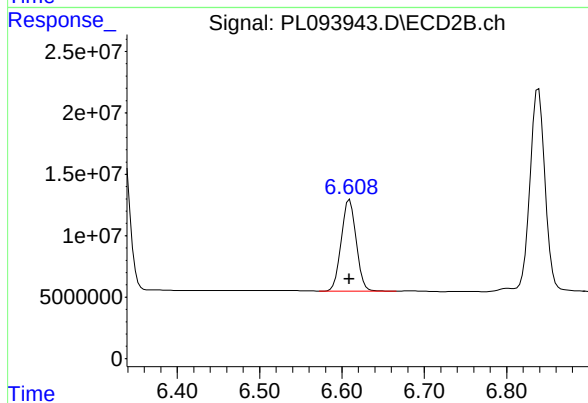
## #19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 172573421  
Conc: 48.39 ng/ml



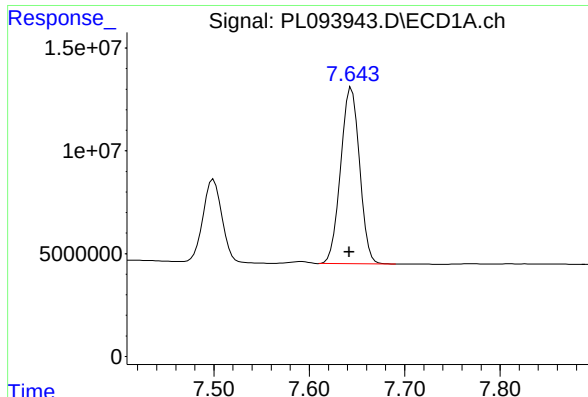
## #20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.002 min  
Response: 55495800  
Conc: 53.19 ng/ml



## #20 Methoxychlor

R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 93773372  
Conc: 52.44 ng/ml



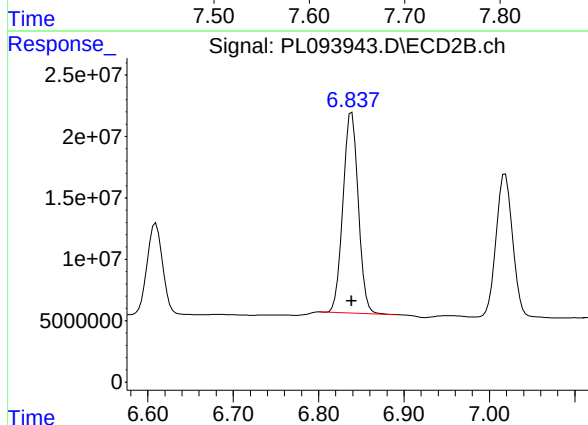
#21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: 0.002 min  
Response: 118061517  
Conc: 46.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

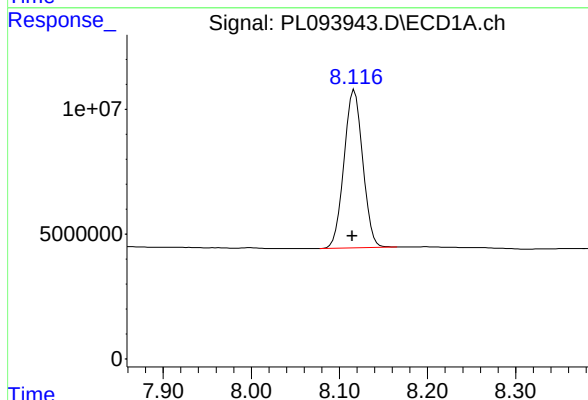
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



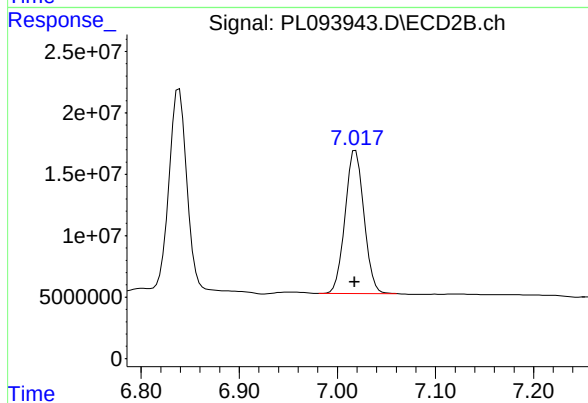
#21 Endrin ketone

R.T.: 6.839 min  
Delta R.T.: 0.000 min  
Response: 202414678  
Conc: 48.25 ng/ml



#22 Mirex

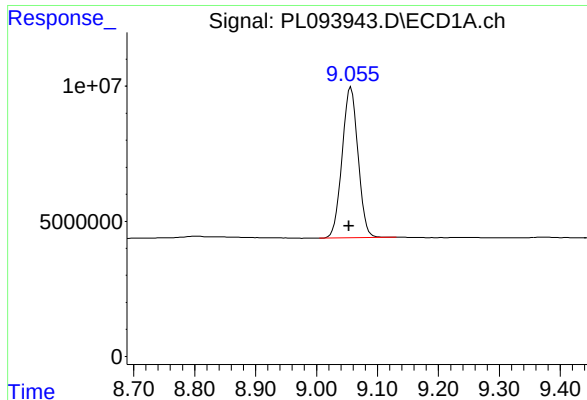
R.T.: 8.117 min  
Delta R.T.: 0.002 min  
Response: 93662867  
Conc: 44.98 ng/ml



#22 Mirex

R.T.: 7.019 min  
Delta R.T.: 0.001 min  
Response: 155823162  
Conc: 46.08 ng/ml





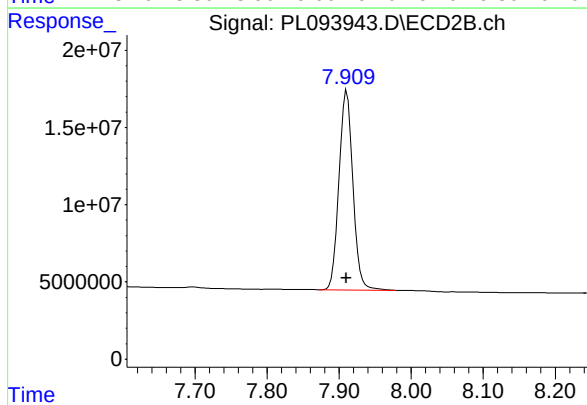
#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.004 min  
Response: 101308174  
Conc: 48.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.000 min  
Response: 172452418  
Conc: 49.21 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 20:18 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 3.99       | 4.00      | 3.90      | 4.10 | 0.01       |
| beta-BHC             | 4.52       | 4.53      | 4.43      | 4.63 | 0.01       |
| delta-BHC            | 4.77       | 4.77      | 4.67      | 4.87 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.91       | 4.91      | 4.81      | 5.01 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.57       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.79       | 6.79      | 6.69      | 6.89 | 0.00       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.00       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.64       | 7.64      | 7.54      | 7.74 | 0.00       |
| Endrin aldehyde      | 6.92       | 6.92      | 6.82      | 7.02 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

 Contract: RUTW01

 Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

 Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

 Continuing Calib Time: 20:18 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.91       | 7.91      | 7.81      | 8.01 | 0.00       |
| Tetrachloro-m-xylene | 2.77       | 2.77      | 2.67      | 2.87 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.01       |
| Aldrin               | 4.22       | 4.23      | 4.13      | 4.33 | 0.01       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| 4,4'-DDE             | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.93       | 5.93      | 5.83      | 6.03 | 0.00       |
| 4,4'-DDD             | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan sulfate   | 6.33       | 6.33      | 6.23      | 6.43 | 0.00       |
| 4,4'-DDT             | 6.04       | 6.03      | 5.93      | 6.13 | 0.00       |
| Methoxychlor         | 6.61       | 6.61      | 6.51      | 6.71 | 0.00       |
| Endrin ketone        | 6.84       | 6.84      | 6.74      | 6.94 | 0.00       |
| Endrin aldehyde      | 6.11       | 6.11      | 6.01      | 6.21 | 0.00       |
| alpha-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.01       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL03 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093959.D Time Analyzed: 20:18

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.710 | 6.608     | 6.808 | 54.500             | 50.000            | 9.0  |
| 4,4'-DDE             | 6.192 | 6.091     | 6.291 | 51.300             | 50.000            | 2.6  |
| 4,4'-DDT             | 7.023 | 6.922     | 7.122 | 48.330             | 50.000            | -3.3 |
| Aldrin               | 5.256 | 5.156     | 5.356 | 47.800             | 50.000            | -4.4 |
| alpha-BHC            | 3.994 | 3.895     | 4.095 | 50.690             | 50.000            | 1.4  |
| alpha-Chlordane      | 6.018 | 5.917     | 6.117 | 48.070             | 50.000            | -3.9 |
| beta-BHC             | 4.524 | 4.425     | 4.625 | 50.600             | 50.000            | 1.2  |
| Decachlorobiphenyl   | 9.056 | 8.953     | 9.153 | 45.870             | 50.000            | -8.3 |
| delta-BHC            | 4.772 | 4.672     | 4.872 | 49.100             | 50.000            | -1.8 |
| Dieldrin             | 6.343 | 6.243     | 6.443 | 47.370             | 50.000            | -5.3 |
| Endosulfan I         | 6.068 | 5.967     | 6.167 | 46.980             | 50.000            | -6.0 |
| Endosulfan II        | 6.794 | 6.692     | 6.892 | 46.660             | 50.000            | -6.7 |
| Endosulfan sulfate   | 7.159 | 7.057     | 7.257 | 45.370             | 50.000            | -9.3 |
| Endrin               | 6.572 | 6.472     | 6.672 | 45.760             | 50.000            | -8.5 |
| Endrin aldehyde      | 6.924 | 6.823     | 7.023 | 45.260             | 50.000            | -9.5 |
| Endrin ketone        | 7.644 | 7.542     | 7.742 | 45.780             | 50.000            | -8.4 |
| gamma-BHC (Lindane)  | 4.326 | 4.227     | 4.427 | 49.510             | 50.000            | -1.0 |
| gamma-Chlordane      | 5.939 | 5.838     | 6.038 | 48.430             | 50.000            | -3.1 |
| Heptachlor           | 4.914 | 4.814     | 5.014 | 49.860             | 50.000            | -0.3 |
| Heptachlor epoxide   | 5.683 | 5.582     | 5.782 | 46.670             | 50.000            | -6.7 |
| Methoxychlor         | 7.500 | 7.398     | 7.598 | 47.640             | 50.000            | -4.7 |
| Tetrachloro-m-xylene | 3.538 | 3.439     | 3.639 | 49.950             | 50.000            | -0.1 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL03 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093959.D Time Analyzed: 20:18

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.784 | 5.684     | 5.884 | 53.950             | 50.000            | 7.9   |
| 4,4'-DDE             | 5.229 | 5.130     | 5.330 | 53.020             | 50.000            | 6.0   |
| 4,4'-DDT             | 6.035 | 5.934     | 6.134 | 48.230             | 50.000            | -3.5  |
| Aldrin               | 4.224 | 4.125     | 4.325 | 48.560             | 50.000            | -2.9  |
| alpha-BHC            | 3.276 | 3.177     | 3.377 | 50.850             | 50.000            | 1.7   |
| alpha-Chlordane      | 5.040 | 4.940     | 5.140 | 50.410             | 50.000            | 0.8   |
| beta-BHC             | 3.907 | 3.807     | 4.007 | 50.650             | 50.000            | 1.3   |
| Decachlorobiphenyl   | 7.911 | 7.810     | 8.010 | 44.510             | 50.000            | -11.0 |
| delta-BHC            | 4.135 | 4.036     | 4.236 | 48.490             | 50.000            | -3.0  |
| Dieldrin             | 5.361 | 5.261     | 5.461 | 48.940             | 50.000            | -2.1  |
| Endosulfan I         | 5.096 | 4.996     | 5.196 | 45.790             | 50.000            | -8.4  |
| Endosulfan II        | 5.931 | 5.831     | 6.031 | 48.780             | 50.000            | -2.4  |
| Endosulfan sulfate   | 6.334 | 6.233     | 6.433 | 46.930             | 50.000            | -6.1  |
| Endrin               | 5.636 | 5.536     | 5.736 | 48.830             | 50.000            | -2.3  |
| Endrin aldehyde      | 6.111 | 6.010     | 6.210 | 44.850             | 50.000            | -10.3 |
| Endrin ketone        | 6.839 | 6.739     | 6.939 | 46.120             | 50.000            | -7.8  |
| gamma-BHC (Lindane)  | 3.606 | 3.507     | 3.707 | 49.220             | 50.000            | -1.6  |
| gamma-Chlordane      | 4.975 | 4.877     | 5.077 | 50.890             | 50.000            | 1.8   |
| Heptachlor           | 3.945 | 3.845     | 4.045 | 49.210             | 50.000            | -1.6  |
| Heptachlor epoxide   | 4.727 | 4.627     | 4.827 | 49.060             | 50.000            | -1.9  |
| Methoxychlor         | 6.610 | 6.509     | 6.709 | 46.040             | 50.000            | -7.9  |
| Tetrachloro-m-xylene | 2.773 | 2.674     | 2.874 | 50.250             | 50.000            | 0.5   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
 Data File : PL093959.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 20:18  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:33:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.538 | 2.773 | 134.5E6  | 164.0E6  | 49.947  | 50.255  |
| 28) SA Decachlor...         | 9.056 | 7.911 | 95956611 | 156.0E6  | 45.870  | 44.506  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.994 | 3.276 | 194.3E6  | 248.6E6  | 50.689  | 50.852  |
| 3) MA gamma-BHC...          | 4.326 | 3.606 | 182.3E6  | 233.4E6  | 49.509  | 49.224  |
| 4) MA Heptachlor            | 4.914 | 3.945 | 163.4E6  | 229.0E6  | 49.864  | 49.205  |
| 5) MB Aldrin                | 5.256 | 4.224 | 156.4E6  | 221.5E6  | 47.802  | 48.559  |
| 6) B beta-BHC               | 4.524 | 3.907 | 81325359 | 101.2E6  | 50.597  | 50.650  |
| 7) B delta-BHC              | 4.772 | 4.135 | 172.1E6  | 230.4E6  | 49.105  | 48.494  |
| 8) B Heptachlo...           | 5.683 | 4.727 | 138.8E6  | 205.1E6  | 46.671  | 49.057  |
| 9) A Endosulfan I           | 6.068 | 5.096 | 124.2E6  | 177.5E6  | 46.979  | 45.788  |
| 10) B gamma-Chl...          | 5.939 | 4.975 | 135.0E6  | 215.7E6  | 48.432  | 50.894m |
| 11) B alpha-Chl...          | 6.018 | 5.040 | 134.0E6  | 211.0E6  | 48.071  | 50.409  |
| 12) B 4,4'-DDE              | 6.192 | 5.229 | 124.9E6  | 212.6E6  | 51.304  | 53.022  |
| 13) MA Dieldrin             | 6.343 | 5.361 | 131.5E6  | 210.2E6  | 47.371  | 48.940  |
| 14) MA Endrin               | 6.572 | 5.636 | 107.3E6  | 180.3E6  | 45.759m | 48.833  |
| 15) B Endosulfa...          | 6.794 | 5.931 | 112.4E6  | 180.7E6  | 46.658  | 48.777  |
| 16) A 4,4'-DDD              | 6.710 | 5.784 | 103.6E6  | 170.3E6  | 54.501  | 53.947  |
| 17) MA 4,4'-DDT             | 7.023 | 6.035 | 95307062 | 157.0E6  | 48.329  | 48.233  |
| 18) B Endrin al...          | 6.924 | 6.111 | 87990160 | 136.5E6  | 45.261  | 44.845  |
| 19) B Endosulfa...          | 7.159 | 6.334 | 102.7E6  | 167.4E6  | 45.367  | 46.929  |
| 20) A Methoxychlor          | 7.500 | 6.610 | 49709035 | 82322200 | 47.642  | 46.038  |
| 21) B Endrin ke...          | 7.644 | 6.839 | 115.5E6  | 193.5E6  | 45.777  | 46.117  |
| 22) Mirex                   | 8.117 | 7.019 | 85395308 | 144.1E6  | 41.006  | 42.598  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093959.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 20:18  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

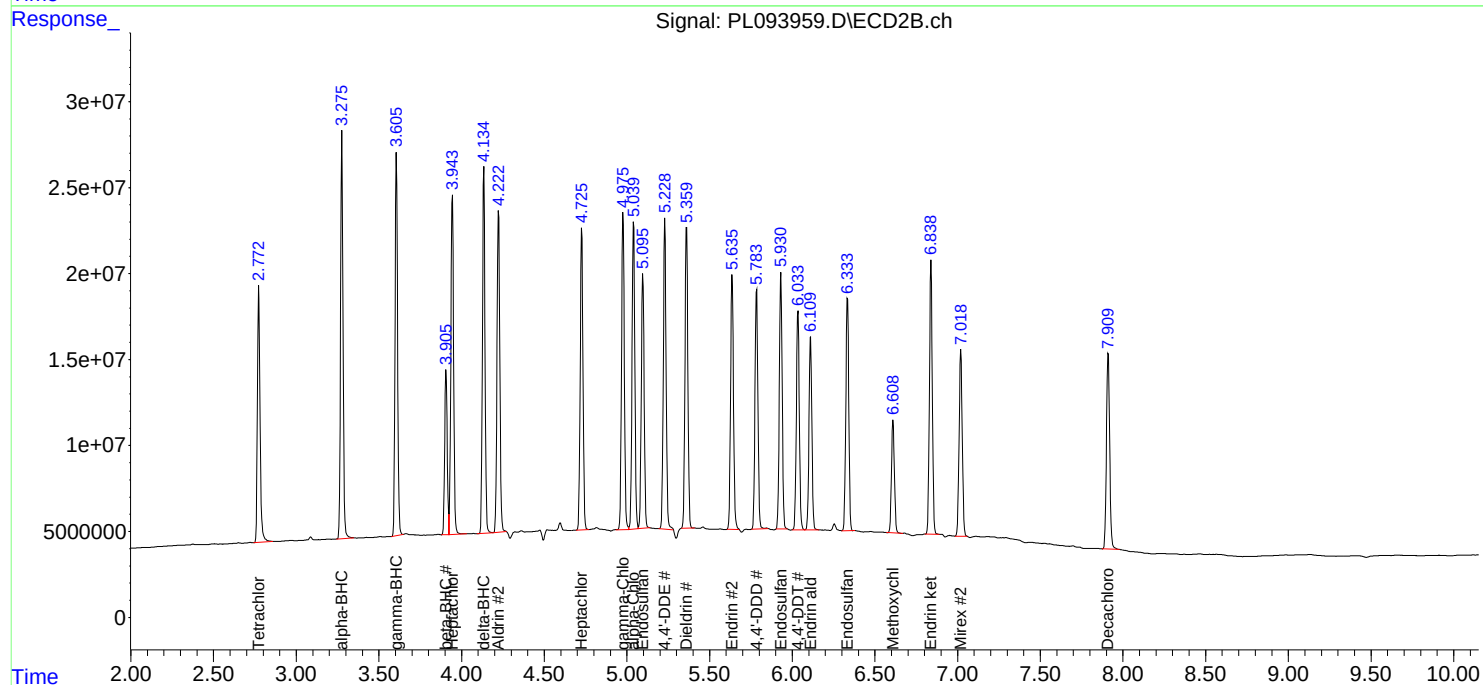
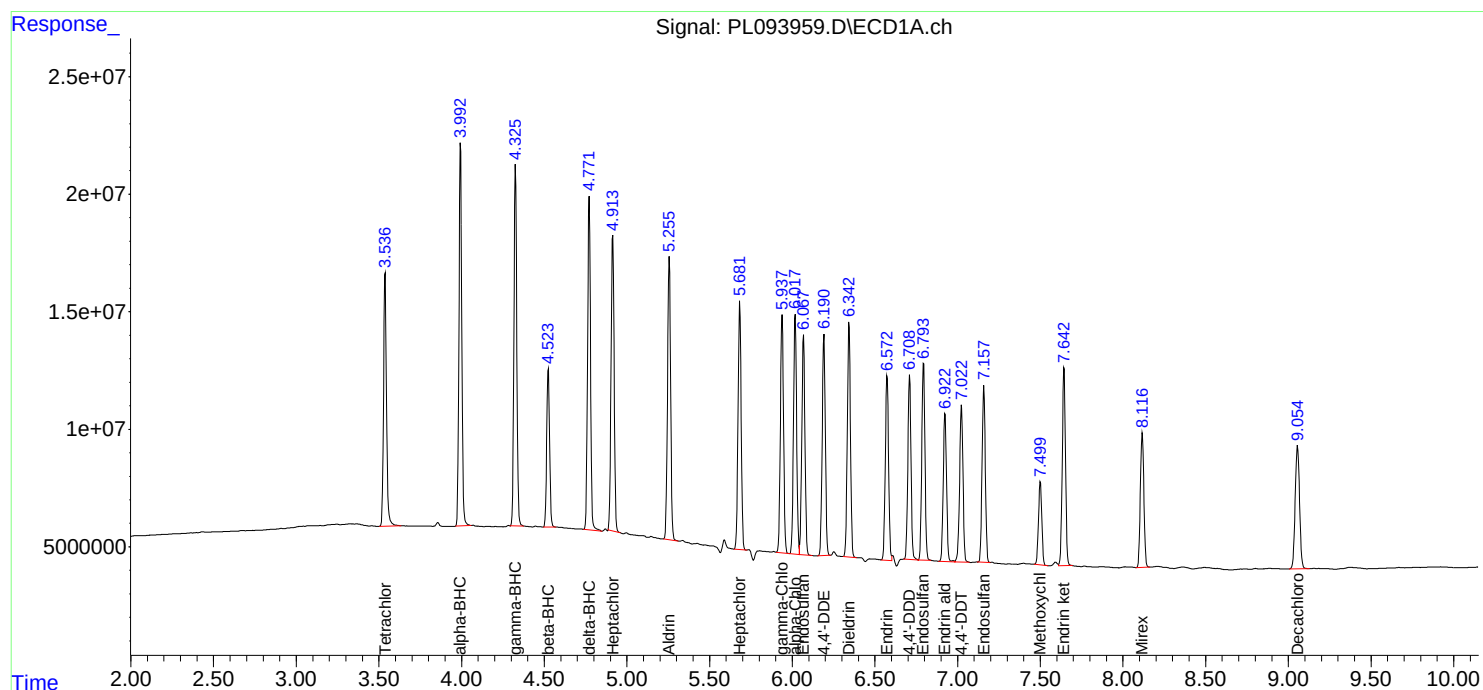
## APPROVED

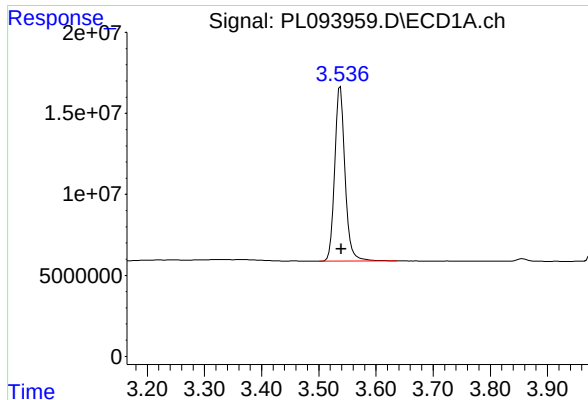
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:33:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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.: 3.538 min  
Delta R.T.: -0.001 min  
Response: 134495166  
Conc: 49.95 ng/ml

Instrument :

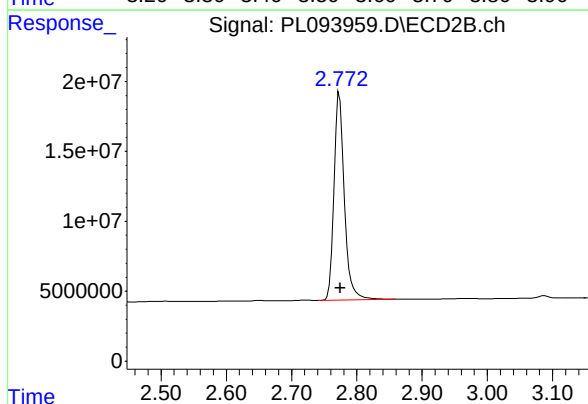
ECD\_L

ClientSampleId :

PSTDCCC050

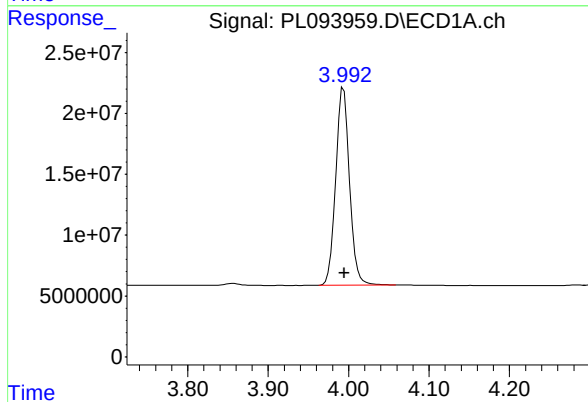
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



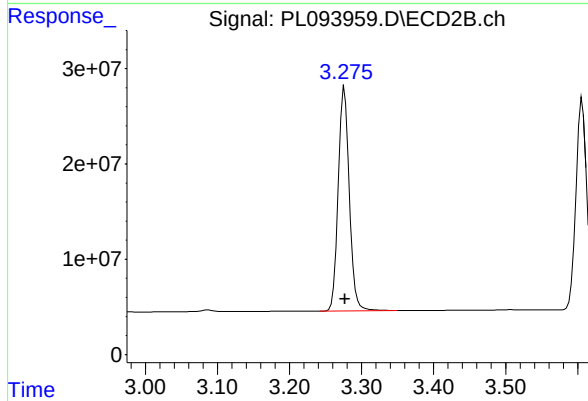
## #1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: 0.000 min  
Response: 164039017  
Conc: 50.25 ng/ml



## #2 alpha-BHC

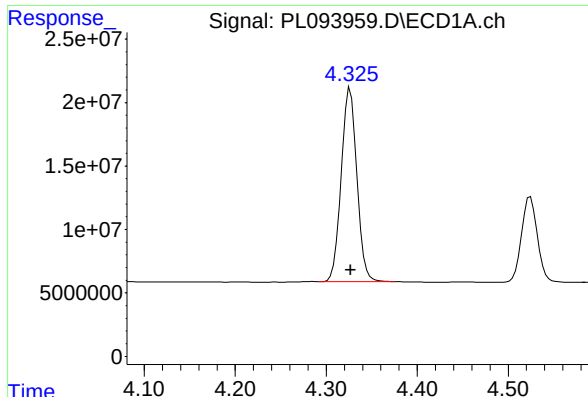
R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 194333908  
Conc: 50.69 ng/ml



## #2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 248614691  
Conc: 50.85 ng/ml





## #3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 182334965  
Conc: 49.51 ng/ml

Instrument :

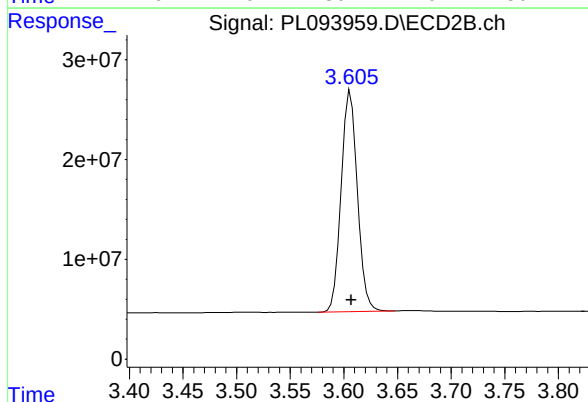
ECD\_L

ClientSampleId :

PSTDCCC050

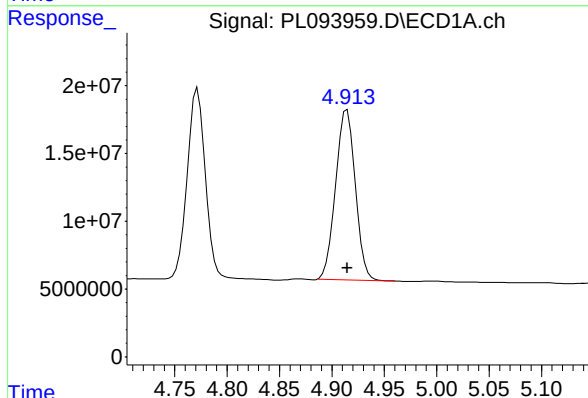
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



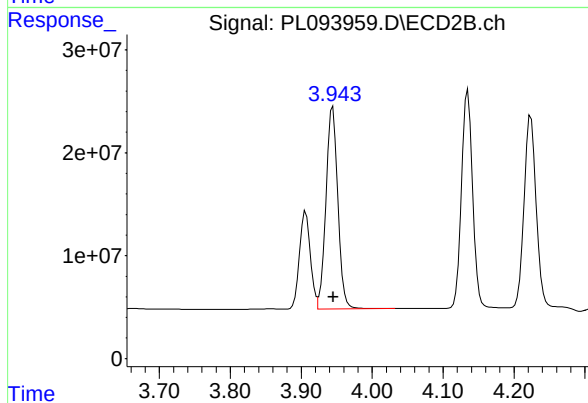
## #3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: 0.000 min  
Response: 233380358  
Conc: 49.22 ng/ml



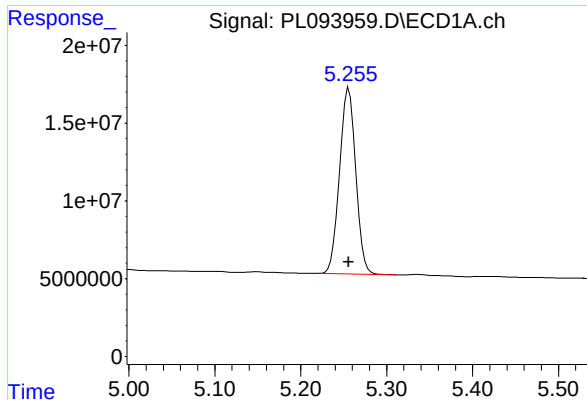
## #4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 163422577  
Conc: 49.86 ng/ml



## #4 Heptachlor

R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 229039951  
Conc: 49.21 ng/ml



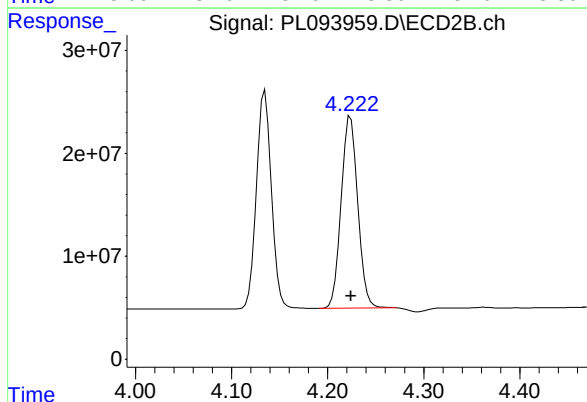
#5 Aldrin

R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 156405208  
Conc: 47.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

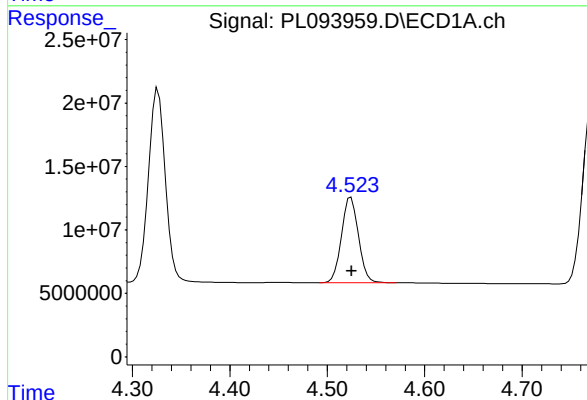
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



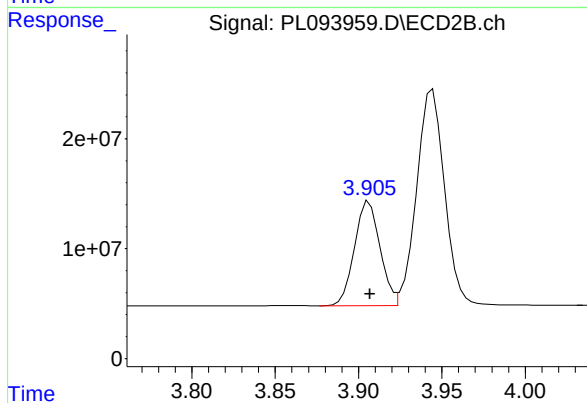
#5 Aldrin

R.T.: 4.224 min  
Delta R.T.: 0.000 min  
Response: 221518046  
Conc: 48.56 ng/ml



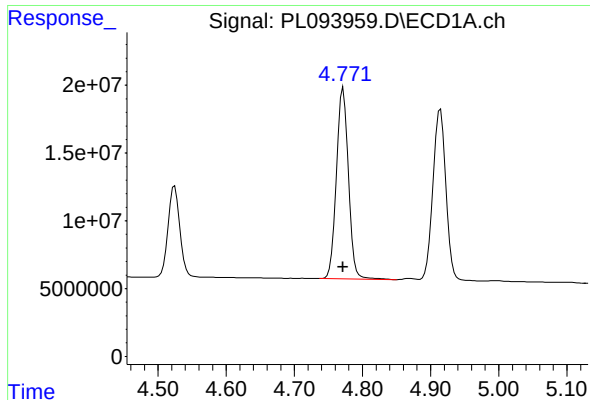
#6 beta-BHC

R.T.: 4.524 min  
Delta R.T.: 0.000 min  
Response: 81325359  
Conc: 50.60 ng/ml



#6 beta-BHC

R.T.: 3.907 min  
Delta R.T.: 0.000 min  
Response: 101169833  
Conc: 50.65 ng/ml



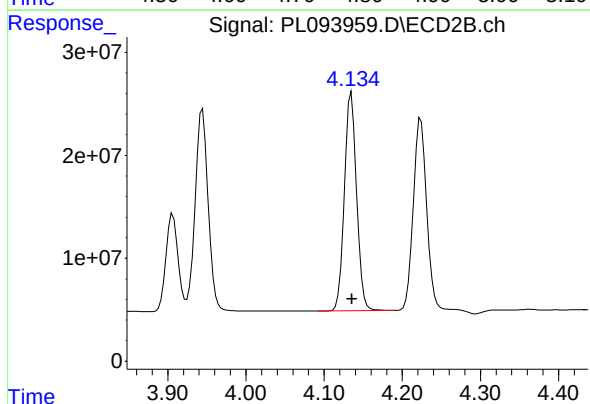
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 172125561  
Conc: 49.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

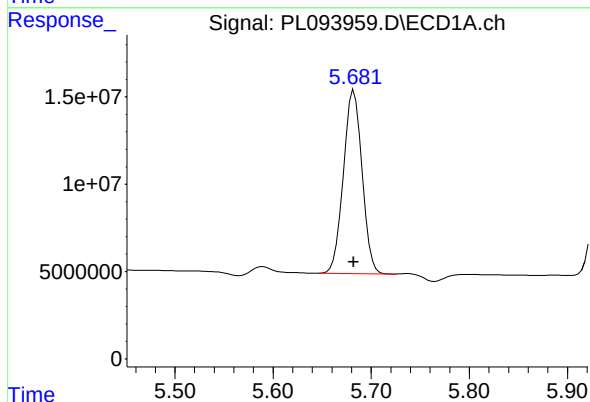
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



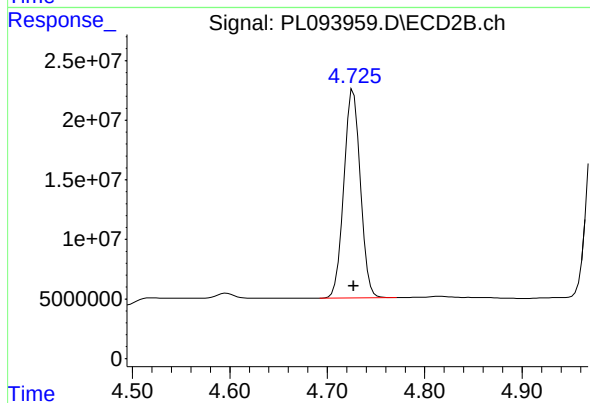
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 230407963  
Conc: 48.49 ng/ml



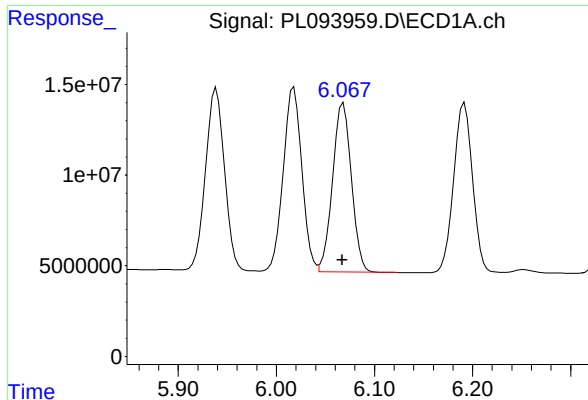
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 138792617  
Conc: 46.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 205068803  
Conc: 49.06 ng/ml



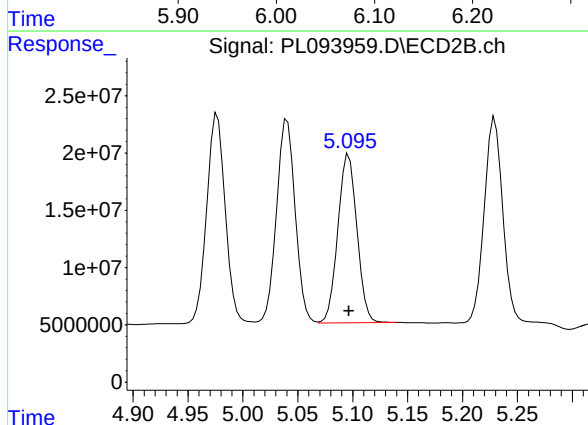
## #9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 124157471  
Conc: 46.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

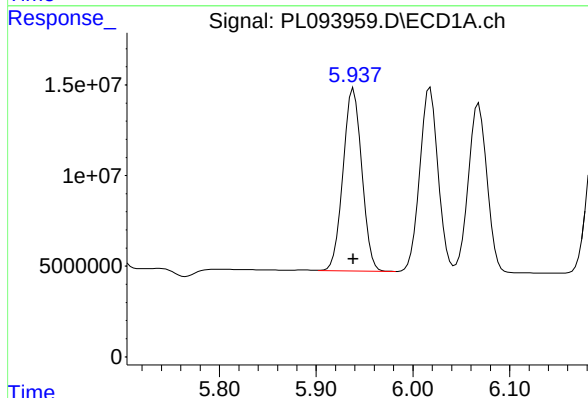
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



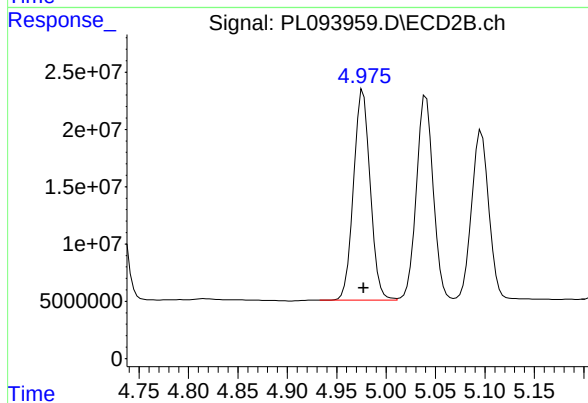
## #9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 177517018  
Conc: 45.79 ng/ml



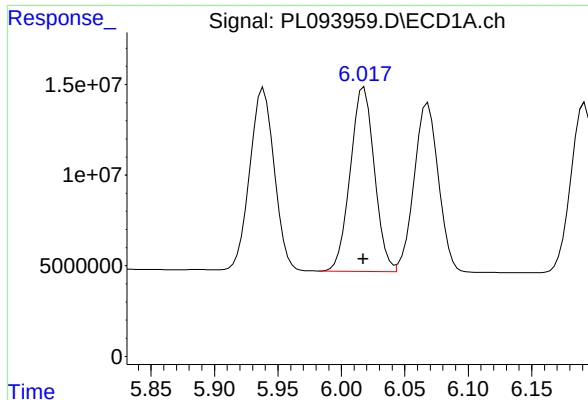
## #10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 134996839  
Conc: 48.43 ng/ml



## #10 gamma-Chlordane

R.T.: 4.975 min  
Delta R.T.: -0.002 min  
Response: 215667901  
Conc: 50.89 ng/ml m



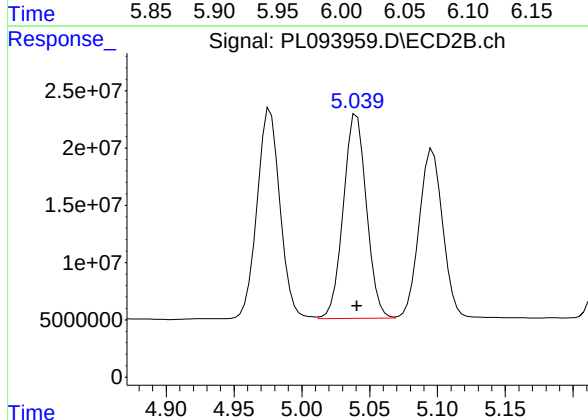
#11 alpha-Chlordane

R.T.: 6.018 min  
Delta R.T.: 0.000 min  
Response: 134040951  
Conc: 48.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

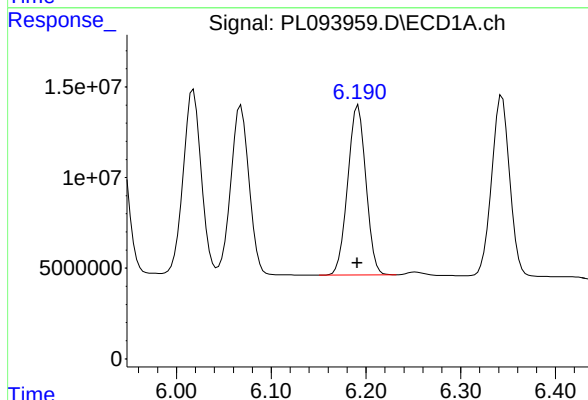
Manual Integrations  
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Supervised By :Ankita Jodhani 02/03/2025



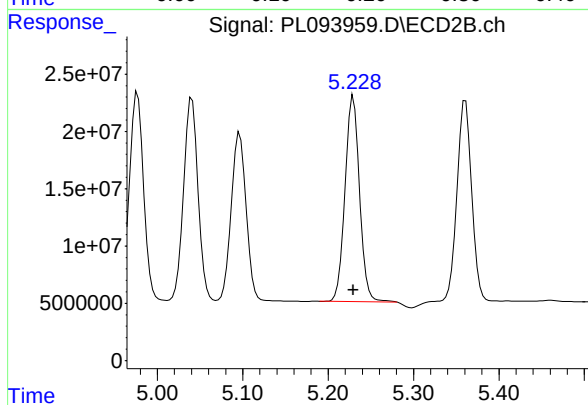
#11 alpha-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 211040317  
Conc: 50.41 ng/ml



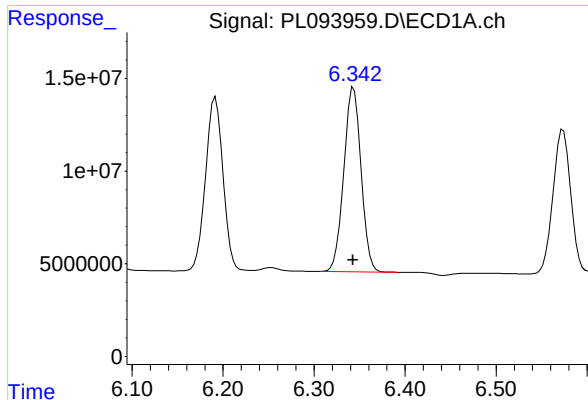
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 124903447  
Conc: 51.30 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 212589791  
Conc: 53.02 ng/ml



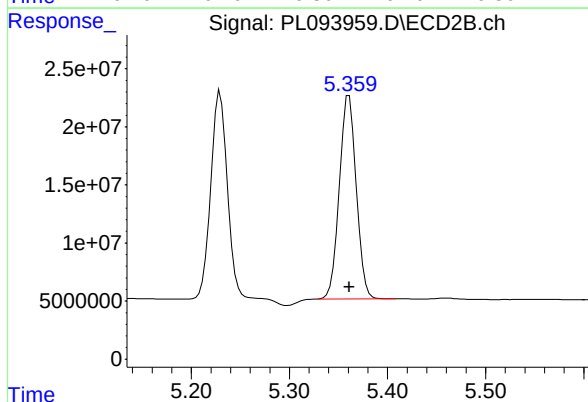
#13 Dieldrin

R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 131494756  
Conc: 47.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

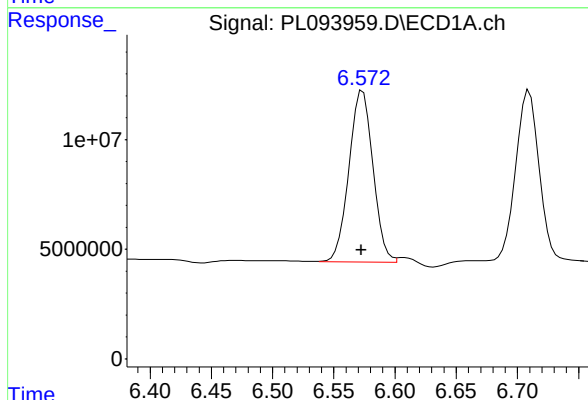
Manual Integrations  
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Supervised By :Ankita Jodhani 02/03/2025



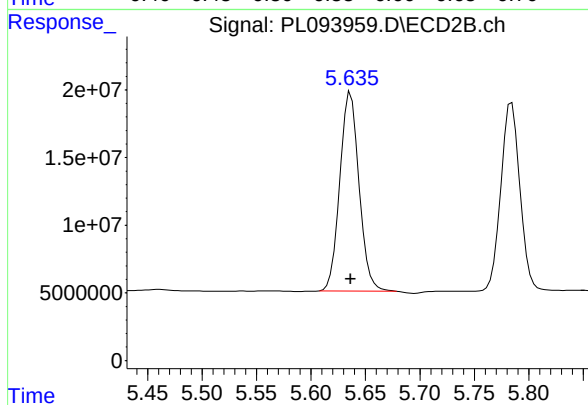
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 210228997  
Conc: 48.94 ng/ml



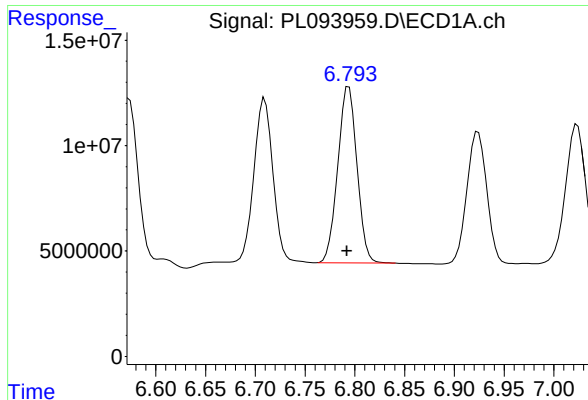
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 107296542  
Conc: 45.76 ng/ml m



#14 Endrin

R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 180323797  
Conc: 48.83 ng/ml



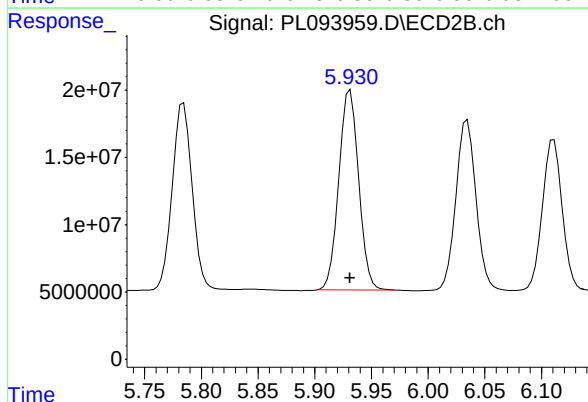
## #15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: 0.002 min  
Response: 112415926  
Conc: 46.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

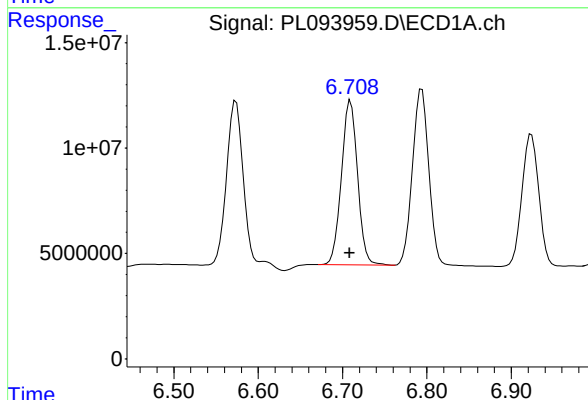
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



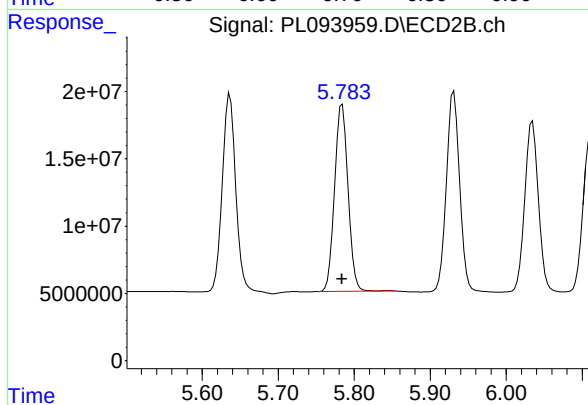
## #15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 180661726  
Conc: 48.78 ng/ml



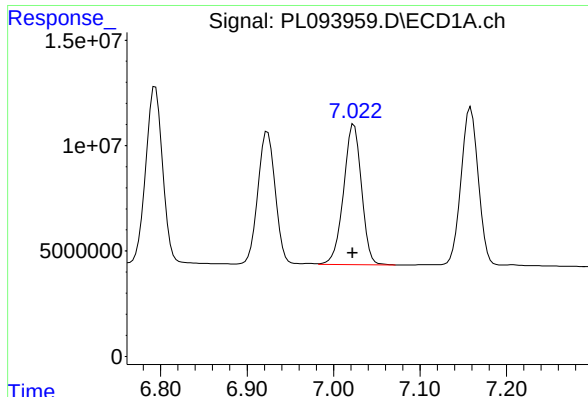
## #16 4,4'-DDD

R.T.: 6.710 min  
Delta R.T.: 0.001 min  
Response: 103581747  
Conc: 54.50 ng/ml



## #16 4,4'-DDD

R.T.: 5.784 min  
Delta R.T.: 0.000 min  
Response: 170285310  
Conc: 53.95 ng/ml



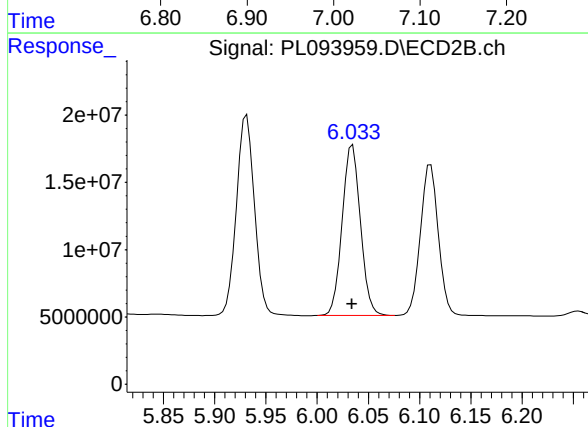
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.001 min  
Response: 95307062  
Conc: 48.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

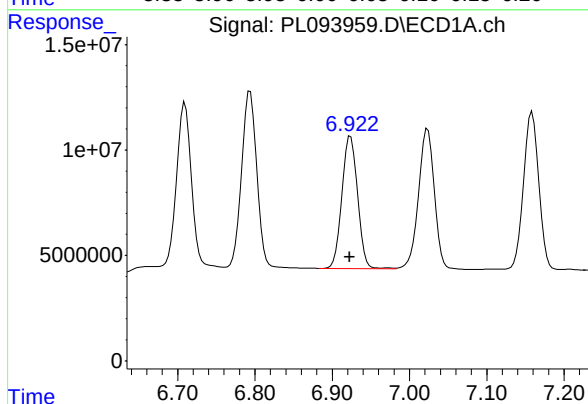
Manual Integrations  
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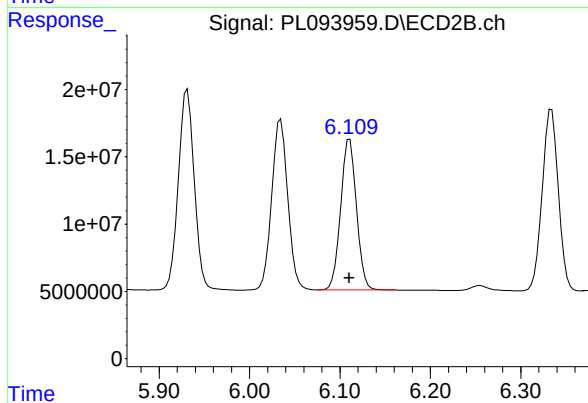
#17 4,4'-DDT

R.T.: 6.035 min  
Delta R.T.: 0.000 min  
Response: 156951923  
Conc: 48.23 ng/ml



#18 Endrin aldehyde

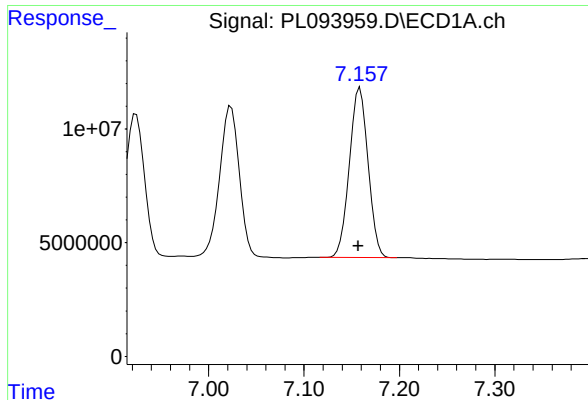
R.T.: 6.924 min  
Delta R.T.: 0.001 min  
Response: 87990160  
Conc: 45.26 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min  
Delta R.T.: 0.000 min  
Response: 136537004  
Conc: 44.85 ng/ml





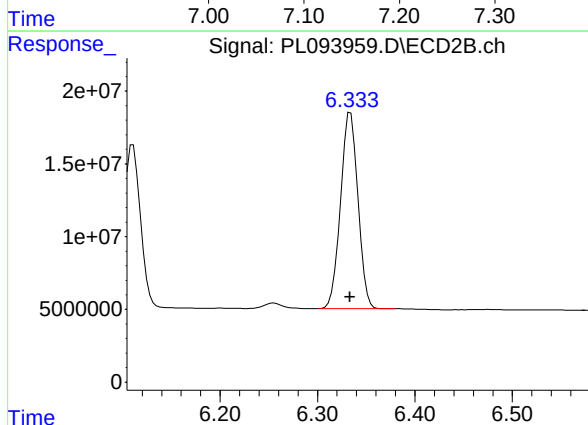
## #19 Endosulfan Sulfate

R.T.: 7.159 min  
Delta R.T.: 0.001 min  
Response: 102700044  
Conc: 45.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

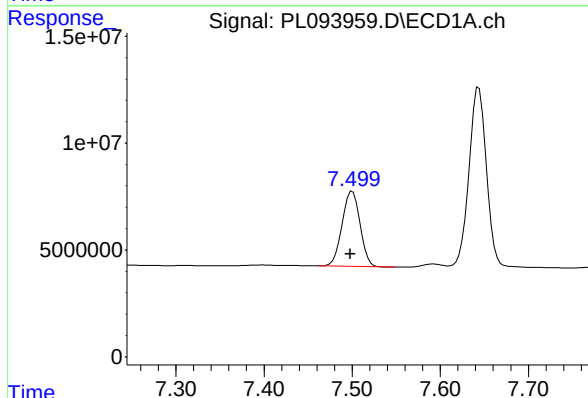
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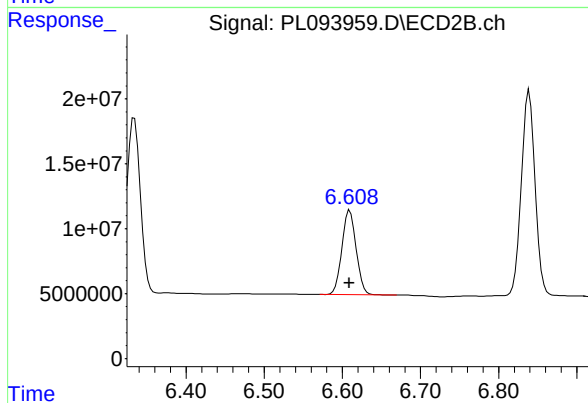
## #19 Endosulfan Sulfate

R.T.: 6.334 min  
Delta R.T.: 0.000 min  
Response: 167352654  
Conc: 46.93 ng/ml



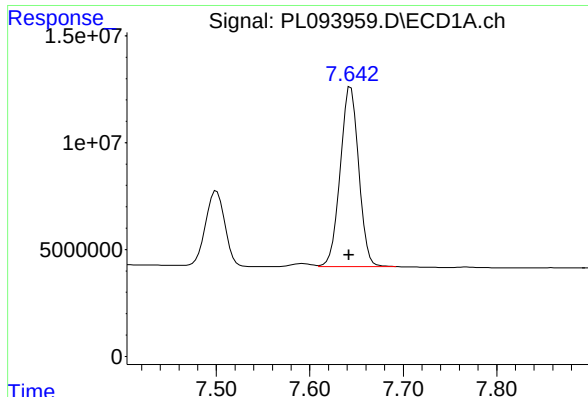
## #20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.002 min  
Response: 49709035  
Conc: 47.64 ng/ml



## #20 Methoxychlor

R.T.: 6.610 min  
Delta R.T.: 0.000 min  
Response: 82322200  
Conc: 46.04 ng/ml



## #21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: 0.002 min  
Response: 115478712  
Conc: 45.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

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## #21 Endrin ketone

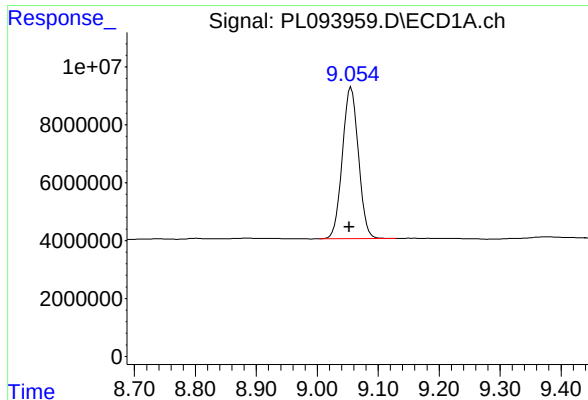
R.T.: 6.839 min  
Delta R.T.: 0.000 min  
Response: 193472127  
Conc: 46.12 ng/ml

## #22 Mirex

R.T.: 8.117 min  
Delta R.T.: 0.002 min  
Response: 85395308  
Conc: 41.01 ng/ml

## #22 Mirex

R.T.: 7.019 min  
Delta R.T.: 0.002 min  
Response: 144060209  
Conc: 42.60 ng/ml



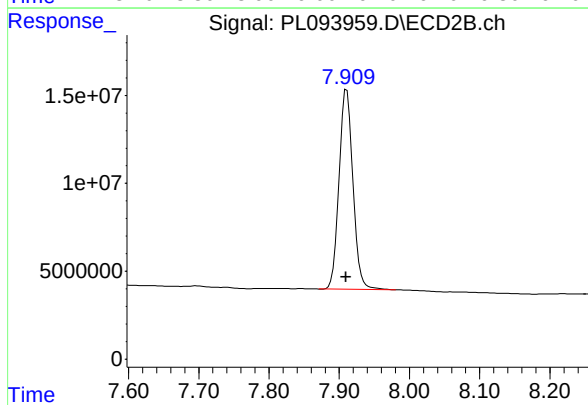
#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.003 min  
Response: 95956611  
Conc: 45.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.000 min  
Response: 155951173  
Conc: 44.51 ng/ml



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Continuing Calib Date: 02/01/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 00:57 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 3.99       | 4.00      | 3.90      | 4.10 | 0.01       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.77       | 4.77      | 4.67      | 4.87 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.91      | 4.81      | 5.01 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.57       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.80       | 6.79      | 6.69      | 6.89 | -0.01      |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.02      | 6.92      | 7.12 | -0.01      |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.65       | 7.64      | 7.54      | 7.74 | 0.00       |
| Endrin aldehyde      | 6.93       | 6.92      | 6.82      | 7.02 | -0.01      |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

 Contract: RUTW01

 Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

 Continuing Calib Date: 02/01/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

 Continuing Calib Time: 00:57 Initial Calibration Time(s): 10:57 11:51

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.91       | 7.91      | 7.81      | 8.01 | 0.00       |
| Tetrachloro-m-xylene | 2.77       | 2.77      | 2.67      | 2.87 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.01       |
| Aldrin               | 4.22       | 4.23      | 4.13      | 4.33 | 0.01       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| 4,4'-DDE             | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.93       | 5.93      | 5.83      | 6.03 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan sulfate   | 6.33       | 6.33      | 6.23      | 6.43 | 0.00       |
| 4,4'-DDT             | 6.04       | 6.03      | 5.93      | 6.13 | 0.00       |
| Methoxychlor         | 6.61       | 6.61      | 6.51      | 6.71 | 0.00       |
| Endrin ketone        | 6.84       | 6.84      | 6.74      | 6.94 | 0.00       |
| Endrin aldehyde      | 6.11       | 6.11      | 6.01      | 6.21 | 0.00       |
| alpha-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL04 Date Analyzed: 02/01/2025

Lab Sample No.: PSTDCCC050 Data File : PL093971.D Time Analyzed: 00:57

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.711 | 6.608     | 6.808 | 54.730             | 50.000            | 9.5   |
| 4,4'-DDE             | 6.192 | 6.091     | 6.291 | 51.870             | 50.000            | 3.7   |
| 4,4'-DDT             | 7.025 | 6.922     | 7.122 | 44.830             | 50.000            | -10.3 |
| Aldrin               | 5.257 | 5.156     | 5.356 | 49.150             | 50.000            | -1.7  |
| alpha-BHC            | 3.994 | 3.895     | 4.095 | 51.630             | 50.000            | 3.3   |
| alpha-Chlordane      | 6.018 | 5.917     | 6.117 | 49.050             | 50.000            | -1.9  |
| beta-BHC             | 4.526 | 4.425     | 4.625 | 50.470             | 50.000            | 0.9   |
| Decachlorobiphenyl   | 9.057 | 8.953     | 9.153 | 44.060             | 50.000            | -11.9 |
| delta-BHC            | 4.772 | 4.672     | 4.872 | 49.410             | 50.000            | -1.2  |
| Dieldrin             | 6.345 | 6.243     | 6.443 | 47.520             | 50.000            | -5.0  |
| Endosulfan I         | 6.069 | 5.967     | 6.167 | 48.060             | 50.000            | -3.9  |
| Endosulfan II        | 6.795 | 6.692     | 6.892 | 46.330             | 50.000            | -7.3  |
| Endosulfan sulfate   | 7.160 | 7.057     | 7.257 | 44.270             | 50.000            | -11.5 |
| Endrin               | 6.573 | 6.472     | 6.672 | 44.470             | 50.000            | -11.1 |
| Endrin aldehyde      | 6.925 | 6.823     | 7.023 | 44.530             | 50.000            | -10.9 |
| Endrin ketone        | 7.645 | 7.542     | 7.742 | 44.660             | 50.000            | -10.7 |
| gamma-BHC (Lindane)  | 4.327 | 4.227     | 4.427 | 50.040             | 50.000            | 0.1   |
| gamma-Chlordane      | 5.940 | 5.838     | 6.038 | 49.550             | 50.000            | -0.9  |
| Heptachlor           | 4.915 | 4.814     | 5.014 | 50.120             | 50.000            | 0.2   |
| Heptachlor epoxide   | 5.683 | 5.582     | 5.782 | 47.790             | 50.000            | -4.4  |
| Methoxychlor         | 7.500 | 7.398     | 7.598 | 43.640             | 50.000            | -12.7 |
| Tetrachloro-m-xylene | 3.538 | 3.439     | 3.639 | 51.110             | 50.000            | 2.2   |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL04 Date Analyzed: 02/01/2025

Lab Sample No.: PSTDCCC050 Data File : PL093971.D Time Analyzed: 00:57

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.785 | 5.684     | 5.884 | 56.200             | 50.000            | 12.4  |
| 4,4'-DDE             | 5.230 | 5.130     | 5.330 | 54.610             | 50.000            | 9.2   |
| 4,4'-DDT             | 6.035 | 5.934     | 6.134 | 46.460             | 50.000            | -7.1  |
| Aldrin               | 4.224 | 4.125     | 4.325 | 50.030             | 50.000            | 0.1   |
| alpha-BHC            | 3.276 | 3.177     | 3.377 | 53.120             | 50.000            | 6.2   |
| alpha-Chlordane      | 5.041 | 4.940     | 5.140 | 51.720             | 50.000            | 3.4   |
| beta-BHC             | 3.906 | 3.807     | 4.007 | 52.880             | 50.000            | 5.8   |
| Decachlorobiphenyl   | 7.911 | 7.810     | 8.010 | 42.340             | 50.000            | -15.3 |
| delta-BHC            | 4.135 | 4.036     | 4.236 | 50.050             | 50.000            | 0.1   |
| Dieldrin             | 5.361 | 5.261     | 5.461 | 50.490             | 50.000            | 1.0   |
| Endosulfan I         | 5.097 | 4.996     | 5.196 | 45.740             | 50.000            | -8.5  |
| Endosulfan II        | 5.932 | 5.831     | 6.031 | 49.620             | 50.000            | -0.8  |
| Endosulfan sulfate   | 6.334 | 6.233     | 6.433 | 47.400             | 50.000            | -5.2  |
| Endrin               | 5.637 | 5.536     | 5.736 | 49.760             | 50.000            | -0.5  |
| Endrin aldehyde      | 6.111 | 6.010     | 6.210 | 45.370             | 50.000            | -9.3  |
| Endrin ketone        | 6.840 | 6.739     | 6.939 | 45.870             | 50.000            | -8.3  |
| gamma-BHC (Lindane)  | 3.606 | 3.507     | 3.707 | 51.100             | 50.000            | 2.2   |
| gamma-Chlordane      | 4.977 | 4.877     | 5.077 | 52.470             | 50.000            | 4.9   |
| Heptachlor           | 3.945 | 3.845     | 4.045 | 50.220             | 50.000            | 0.4   |
| Heptachlor epoxide   | 4.727 | 4.627     | 4.827 | 50.070             | 50.000            | 0.1   |
| Methoxychlor         | 6.611 | 6.509     | 6.709 | 45.230             | 50.000            | -9.5  |
| Tetrachloro-m-xylene | 2.774 | 2.674     | 2.874 | 52.270             | 50.000            | 4.5   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
 Data File : PL093971.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 Feb 2025 00:57  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 01:09:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.538 | 2.774 | 137.6E6  | 170.6E6  | 51.107  | 52.269 |
| 28) SA Decachlor...         | 9.057 | 7.911 | 92166830 | 148.4E6  | 44.059  | 42.337 |
| Target Compounds            |       |       |          |          |         |        |
| 2) A alpha-BHC              | 3.994 | 3.276 | 197.9E6  | 259.7E6  | 51.627  | 53.118 |
| 3) MA gamma-BHC...          | 4.327 | 3.606 | 184.3E6  | 242.3E6  | 50.044  | 51.101 |
| 4) MA Heptachlor            | 4.915 | 3.945 | 164.3E6  | 233.8E6  | 50.120  | 50.222 |
| 5) MB Aldrin                | 5.257 | 4.224 | 160.8E6  | 228.2E6  | 49.147  | 50.029 |
| 6) B beta-BHC               | 4.526 | 3.906 | 81125313 | 105.6E6  | 50.472  | 52.878 |
| 7) B delta-BHC              | 4.772 | 4.135 | 173.2E6  | 237.8E6  | 49.409  | 50.051 |
| 8) B Heptachlo...           | 5.683 | 4.727 | 142.1E6  | 209.3E6  | 47.787  | 50.066 |
| 9) A Endosulfan I           | 6.069 | 5.097 | 127.0E6  | 177.3E6  | 48.064  | 45.738 |
| 10) B gamma-Chl...          | 5.940 | 4.977 | 138.1E6  | 222.3E6  | 49.551  | 52.466 |
| 11) B alpha-Chl...          | 6.018 | 5.041 | 136.8E6  | 216.5E6  | 49.052  | 51.718 |
| 12) B 4,4'-DDE              | 6.192 | 5.230 | 126.3E6  | 218.9E6  | 51.875  | 54.608 |
| 13) MA Dieldrin             | 6.345 | 5.361 | 131.9E6  | 216.9E6  | 47.522  | 50.491 |
| 14) MA Endrin               | 6.573 | 5.637 | 104.3E6  | 183.8E6  | 44.467m | 49.762 |
| 15) B Endosulfa...          | 6.795 | 5.932 | 111.6E6  | 183.8E6  | 46.333  | 49.617 |
| 16) A 4,4'-DDD              | 6.711 | 5.785 | 104.0E6  | 177.4E6  | 54.726  | 56.198 |
| 17) MA 4,4'-DDT             | 7.025 | 6.035 | 88412487 | 151.2E6  | 44.833  | 46.456 |
| 18) B Endrin al...          | 6.925 | 6.111 | 86568776 | 138.1E6  | 44.530  | 45.374 |
| 19) B Endosulfa...          | 7.160 | 6.334 | 100.2E6  | 169.0E6  | 44.272  | 47.401 |
| 20) A Methoxychlor          | 7.500 | 6.611 | 45529670 | 80874445 | 43.636  | 45.228 |
| 21) B Endrin ke...          | 7.645 | 6.840 | 112.7E6  | 192.4E6  | 44.661  | 45.870 |
| 22) Mirex                   | 8.118 | 7.020 | 82894240 | 140.6E6  | 39.805  | 41.587 |
| -----                       |       |       |          |          |         |        |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093971.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 Feb 2025 00:57  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

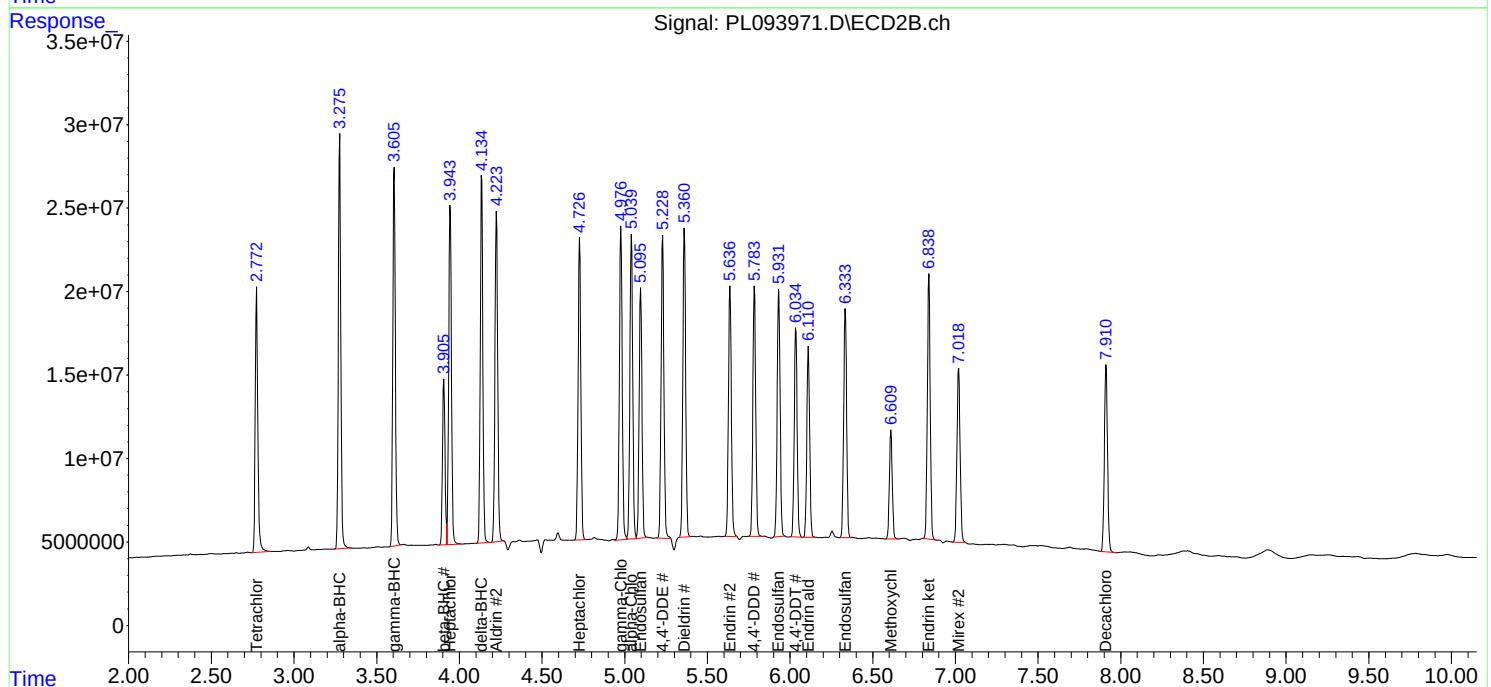
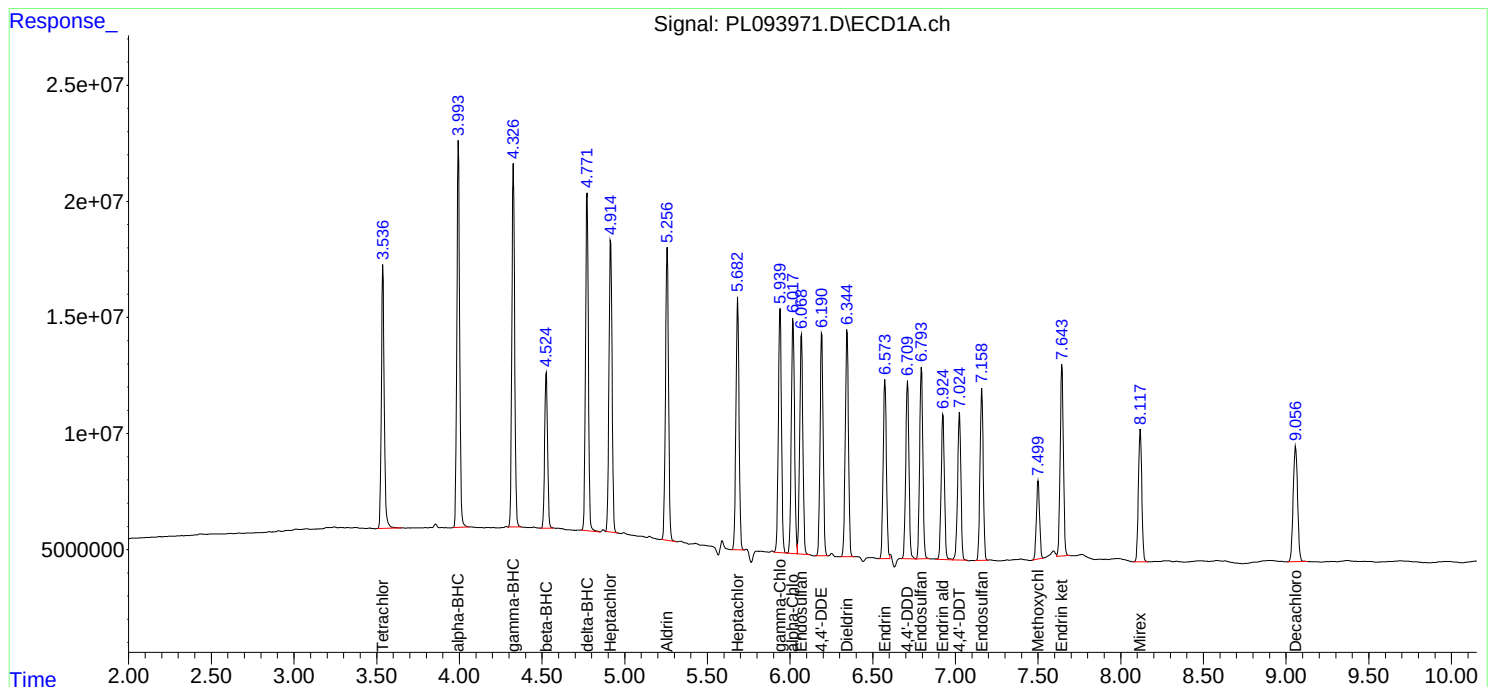
APPROVED

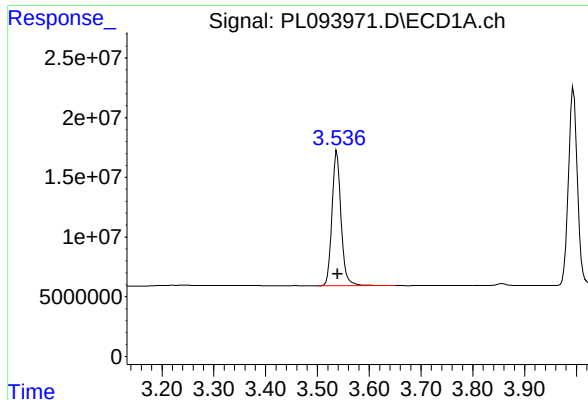
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 01:09:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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.: 3.538 min  
Delta R.T.: -0.001 min  
Response: 137617679  
Conc: 51.11 ng/ml

Instrument :

ECD\_L

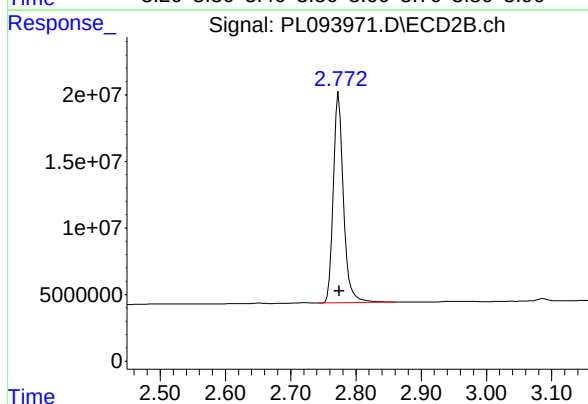
ClientSampleId :

PSTDCCC050

## Manual Integrations

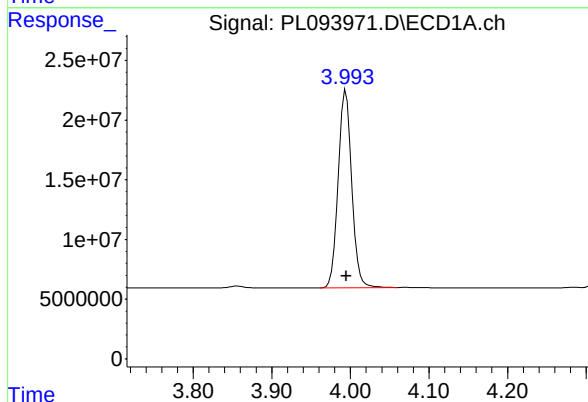
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



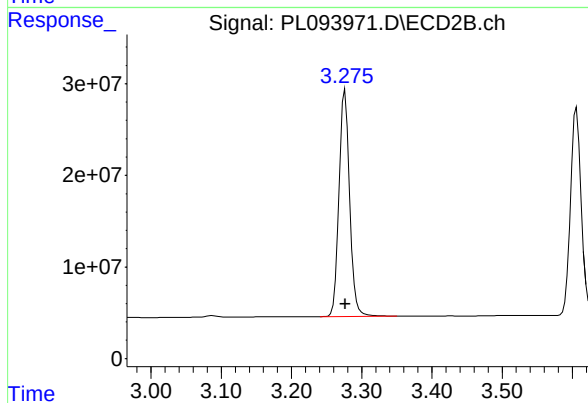
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 170615450  
Conc: 52.27 ng/ml



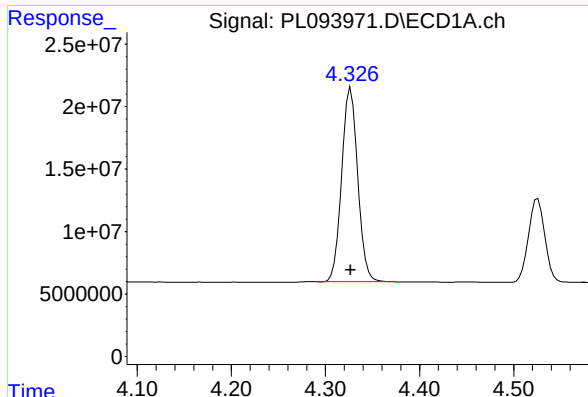
## #2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 197929895  
Conc: 51.63 ng/ml



## #2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 259690513  
Conc: 53.12 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.327 min  
Delta R.T.: 0.000 min  
Response: 184303795  
Conc: 50.04 ng/ml

Instrument :

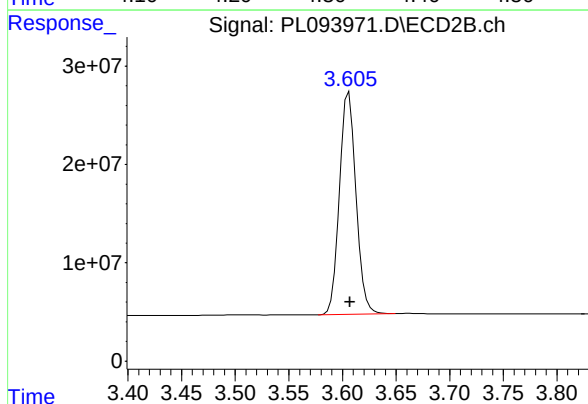
ECD\_L

ClientSampleId :

PSTDCCC050

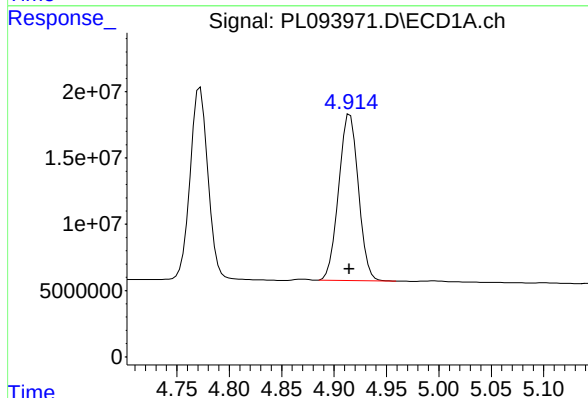
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



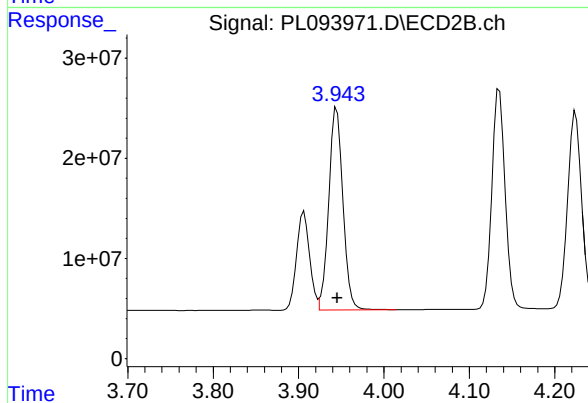
#3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: -0.001 min  
Response: 242279064  
Conc: 51.10 ng/ml



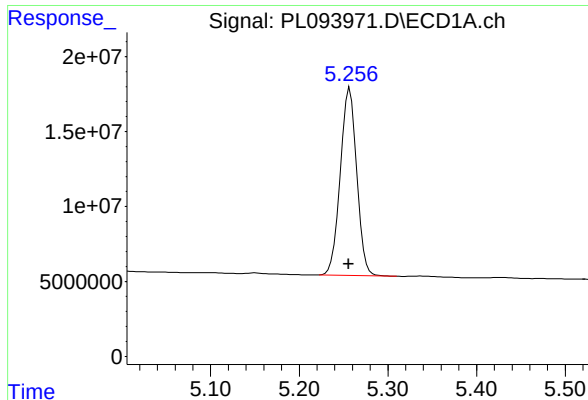
#4 Heptachlor

R.T.: 4.915 min  
Delta R.T.: 0.000 min  
Response: 164258733  
Conc: 50.12 ng/ml



#4 Heptachlor

R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 233773504  
Conc: 50.22 ng/ml



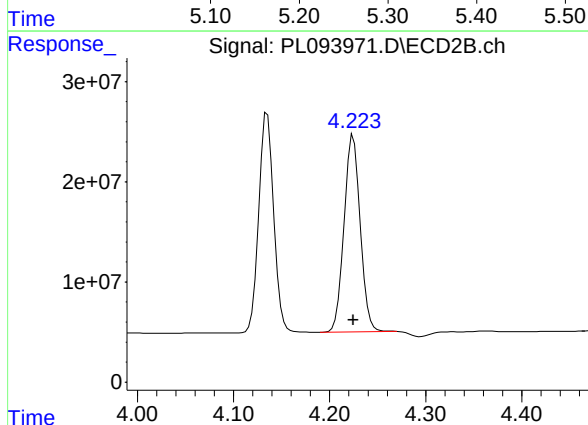
#5 Aldrin

R.T.: 5.257 min  
Delta R.T.: 0.001 min  
Response: 160808163  
Conc: 49.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

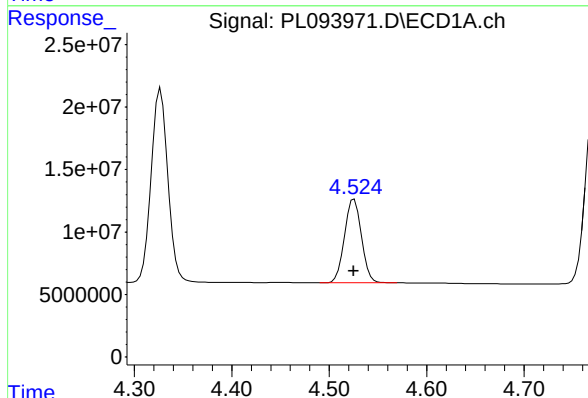
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



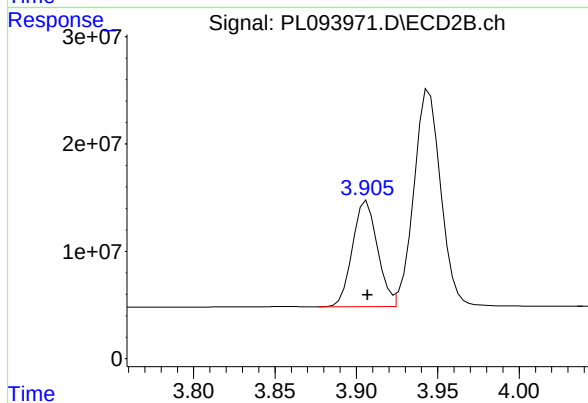
#5 Aldrin

R.T.: 4.224 min  
Delta R.T.: 0.000 min  
Response: 228224277  
Conc: 50.03 ng/ml



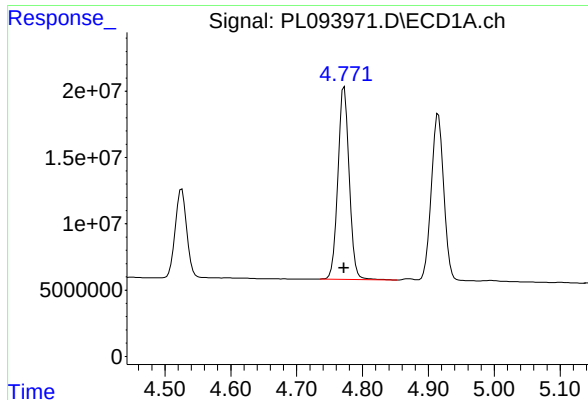
#6 beta-BHC

R.T.: 4.526 min  
Delta R.T.: 0.000 min  
Response: 81125313  
Conc: 50.47 ng/ml



#6 beta-BHC

R.T.: 3.906 min  
Delta R.T.: 0.000 min  
Response: 105619555  
Conc: 52.88 ng/ml



#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 173193791  
Conc: 49.41 ng/ml

Instrument :

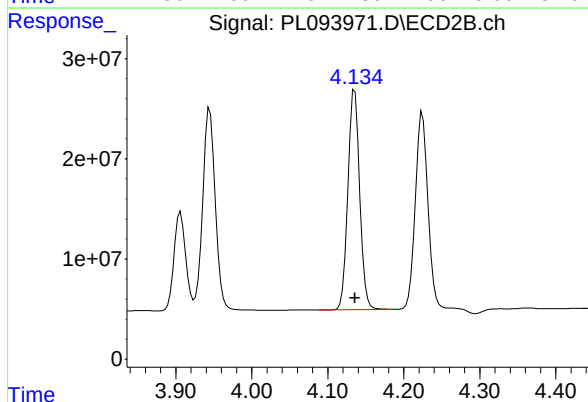
ECD\_L

ClientSampleId :

PSTDCCC050

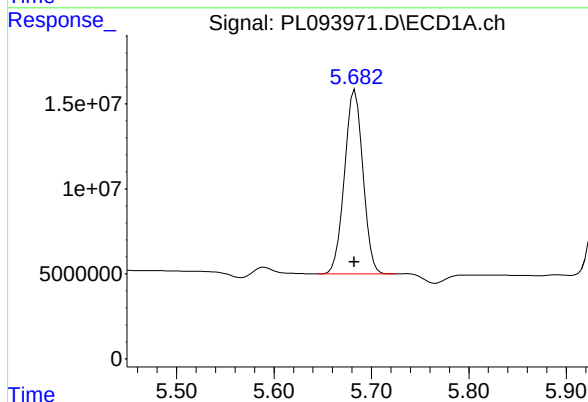
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



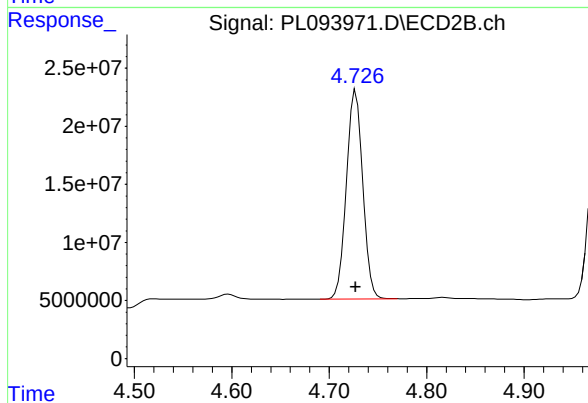
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 237802685  
Conc: 50.05 ng/ml



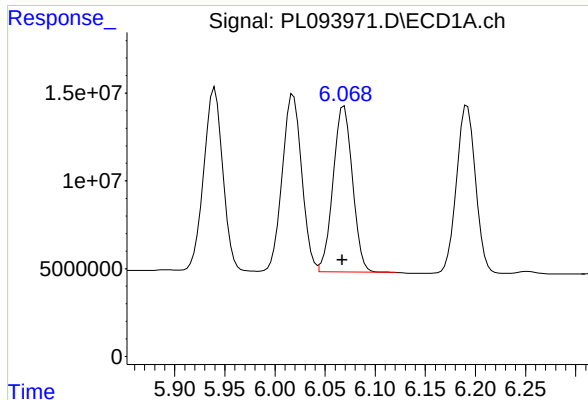
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 142110295  
Conc: 47.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 209288866  
Conc: 50.07 ng/ml



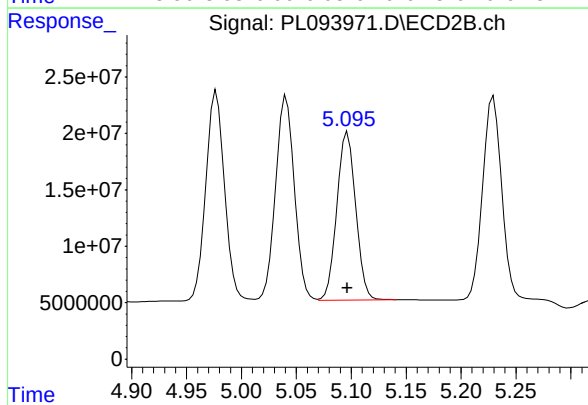
#9 Endosulfan I

R.T.: 6.069 min  
Delta R.T.: 0.002 min  
Response: 127025462  
Conc: 48.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

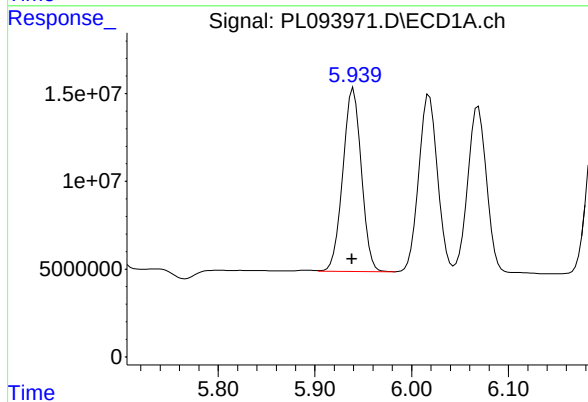
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



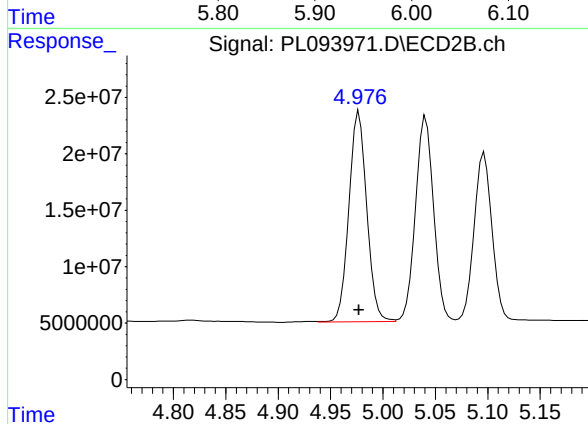
#9 Endosulfan I

R.T.: 5.097 min  
Delta R.T.: 0.000 min  
Response: 177320788  
Conc: 45.74 ng/ml



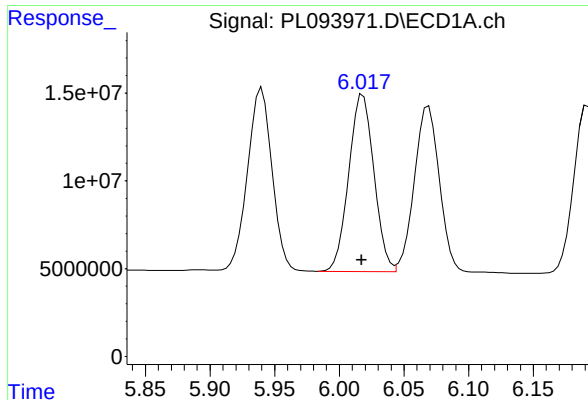
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.002 min  
Response: 138116385  
Conc: 49.55 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 222332589  
Conc: 52.47 ng/ml



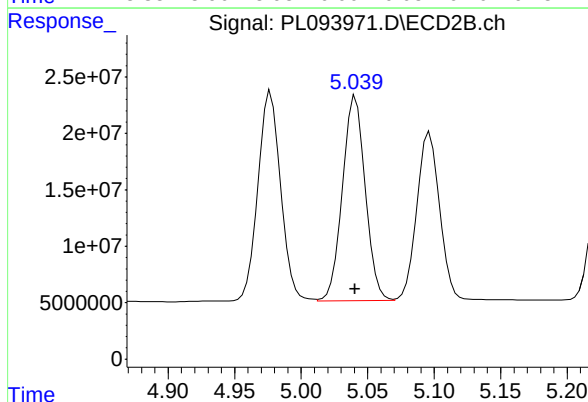
#11 alpha-Chlordane

R.T.: 6.018 min  
Delta R.T.: 0.001 min  
Response: 136776971  
Conc: 49.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

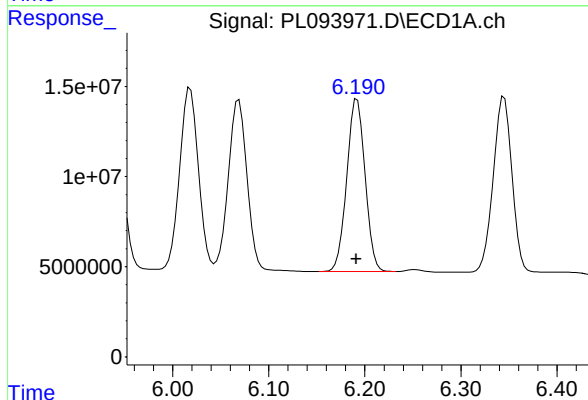
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



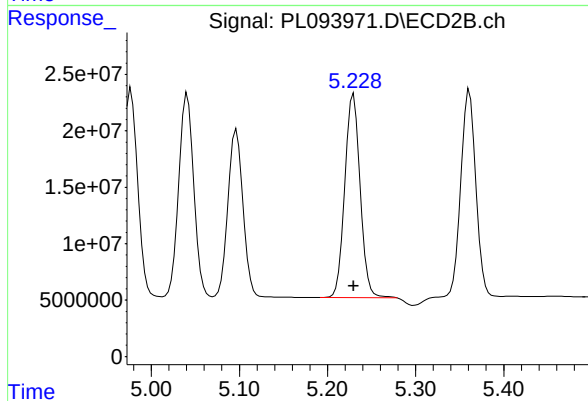
#11 alpha-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 216520758  
Conc: 51.72 ng/ml



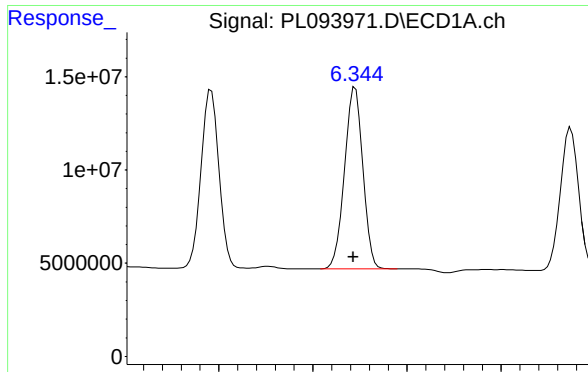
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 126294058  
Conc: 51.87 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min  
Delta R.T.: 0.000 min  
Response: 218947610  
Conc: 54.61 ng/ml



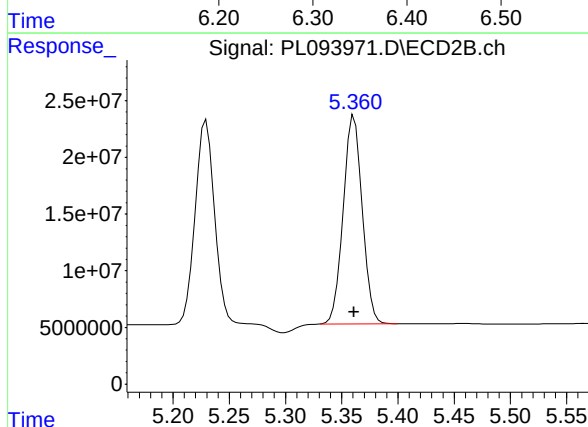
#13 Dieldrin

R.T.: 6.345 min  
Delta R.T.: 0.002 min  
Response: 131914872  
Conc: 47.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

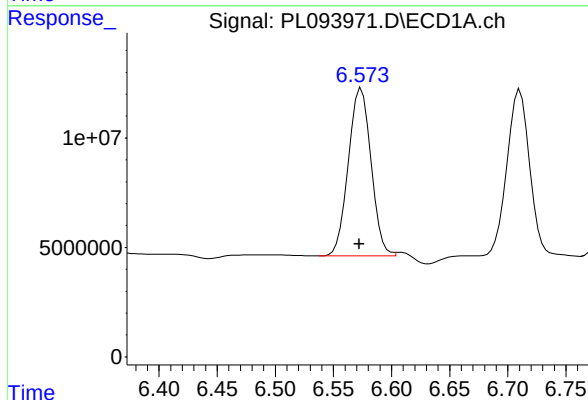
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



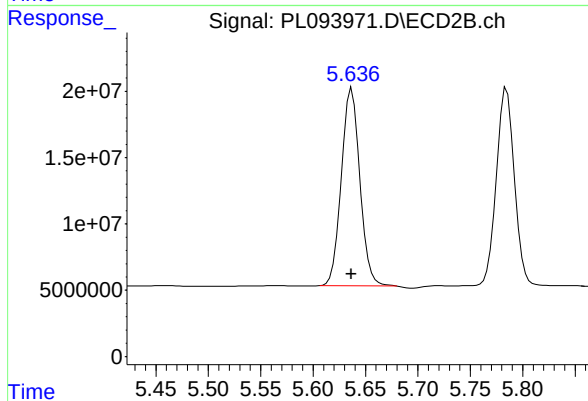
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 216891243  
Conc: 50.49 ng/ml



#14 Endrin

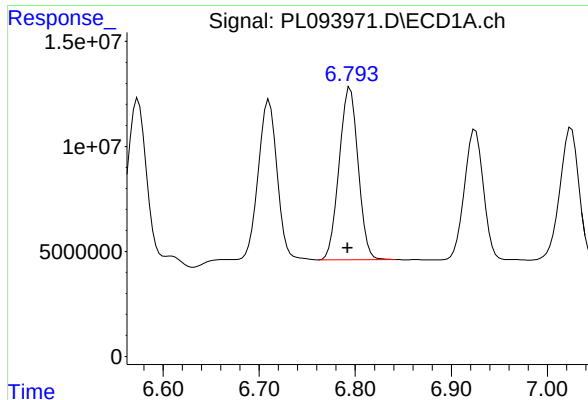
R.T.: 6.573 min  
Delta R.T.: 0.000 min  
Response: 104266266  
Conc: 44.47 ng/ml m



#14 Endrin

R.T.: 5.637 min  
Delta R.T.: 0.000 min  
Response: 183753883  
Conc: 49.76 ng/ml





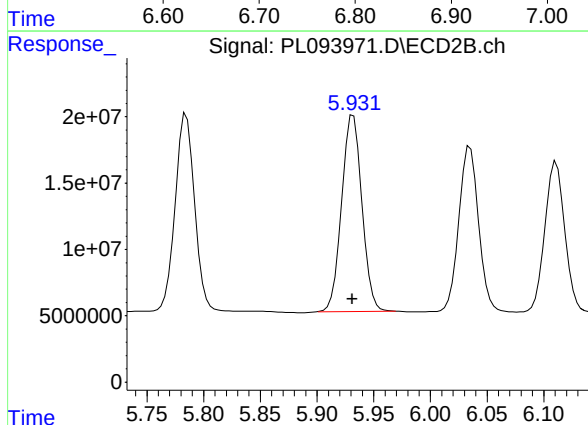
## #15 Endosulfan II

R.T.: 6.795 min  
Delta R.T.: 0.003 min  
Response: 111631719  
Conc: 46.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

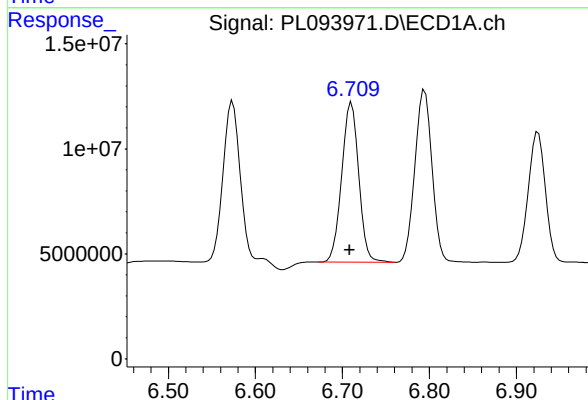
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



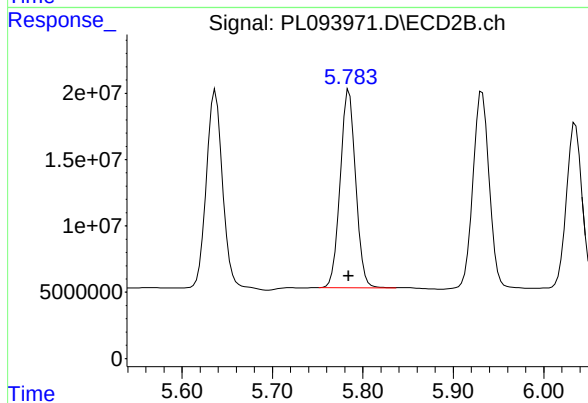
## #15 Endosulfan II

R.T.: 5.932 min  
Delta R.T.: 0.000 min  
Response: 183774349  
Conc: 49.62 ng/ml



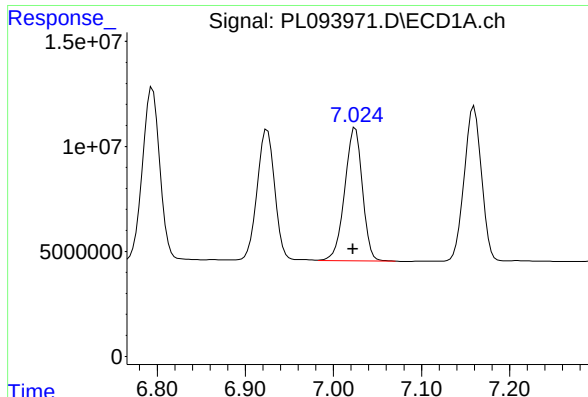
## #16 4,4'-DDD

R.T.: 6.711 min  
Delta R.T.: 0.002 min  
Response: 104011017  
Conc: 54.73 ng/ml



## #16 4,4'-DDD

R.T.: 5.785 min  
Delta R.T.: 0.000 min  
Response: 177390621  
Conc: 56.20 ng/ml



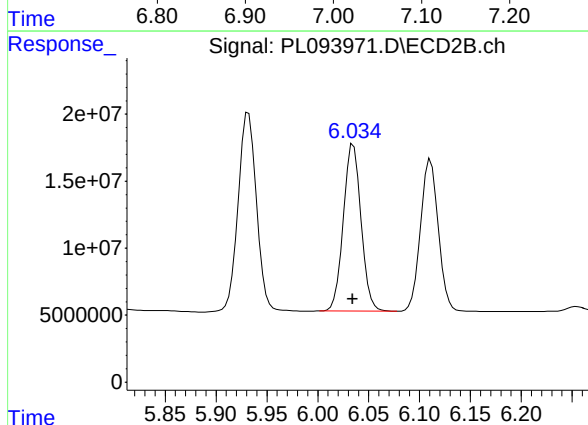
#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: 0.003 min  
Response: 88412487  
Conc: 44.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

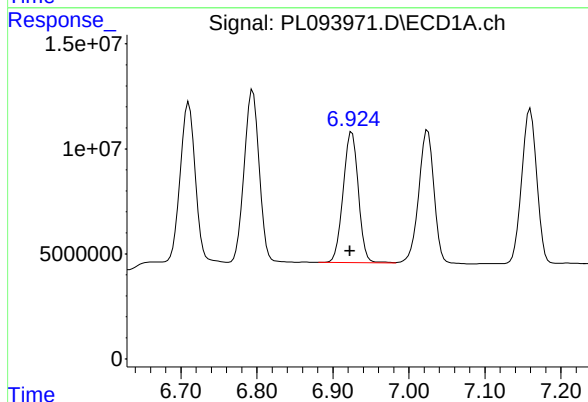
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



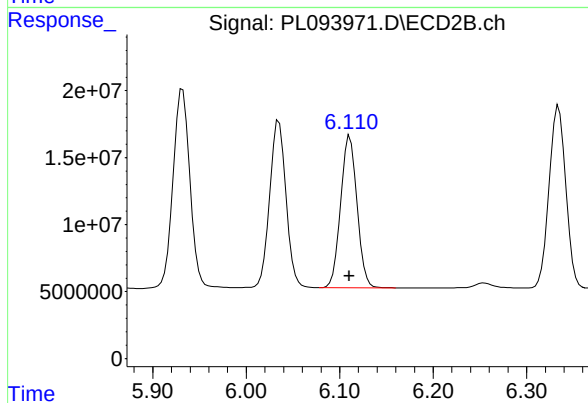
#17 4,4'-DDT

R.T.: 6.035 min  
Delta R.T.: 0.000 min  
Response: 151169658  
Conc: 46.46 ng/ml



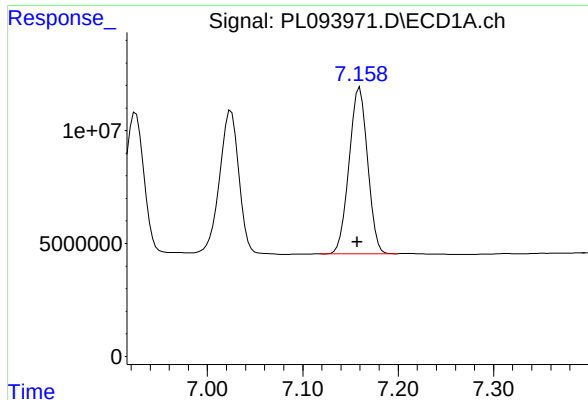
#18 Endrin aldehyde

R.T.: 6.925 min  
Delta R.T.: 0.002 min  
Response: 86568776  
Conc: 44.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min  
Delta R.T.: 0.000 min  
Response: 138148088  
Conc: 45.37 ng/ml



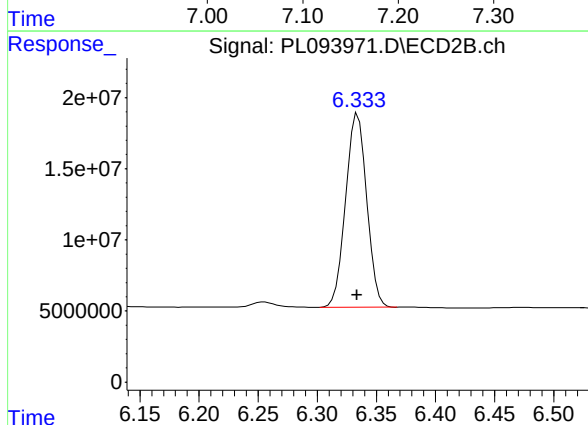
## #19 Endosulfan Sulfate

R.T.: 7.160 min  
Delta R.T.: 0.003 min  
Response: 100219540  
Conc: 44.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

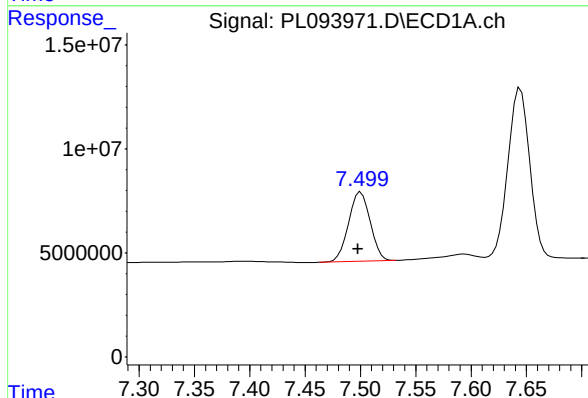
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



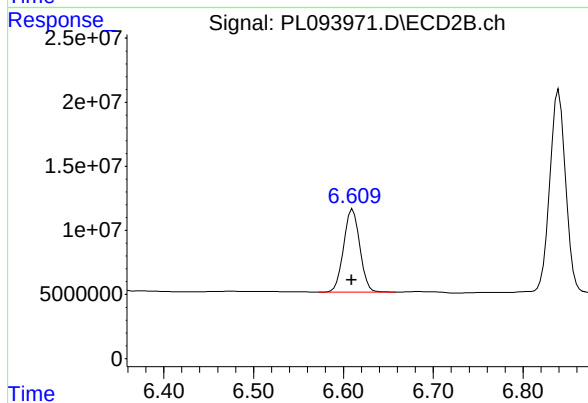
## #19 Endosulfan Sulfate

R.T.: 6.334 min  
Delta R.T.: 0.000 min  
Response: 169037546  
Conc: 47.40 ng/ml



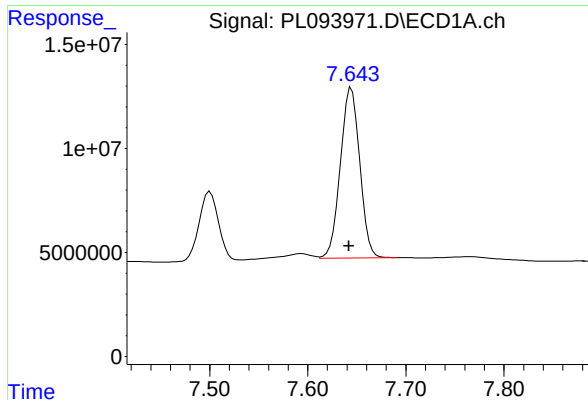
## #20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.003 min  
Response: 45529670  
Conc: 43.64 ng/ml



## #20 Methoxychlor

R.T.: 6.611 min  
Delta R.T.: 0.001 min  
Response: 80874445  
Conc: 45.23 ng/ml



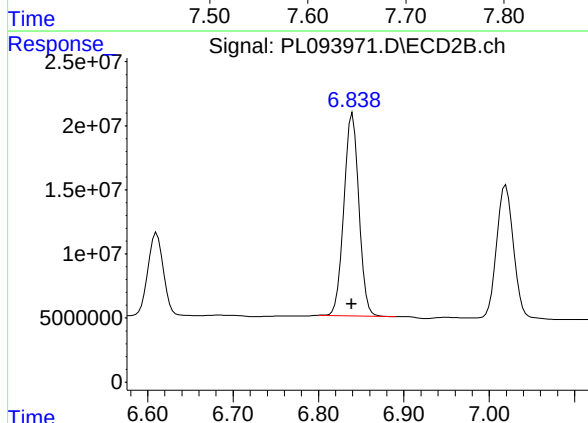
## #21 Endrin ketone

R.T.: 7.645 min  
Delta R.T.: 0.003 min  
Response: 112662187  
Conc: 44.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

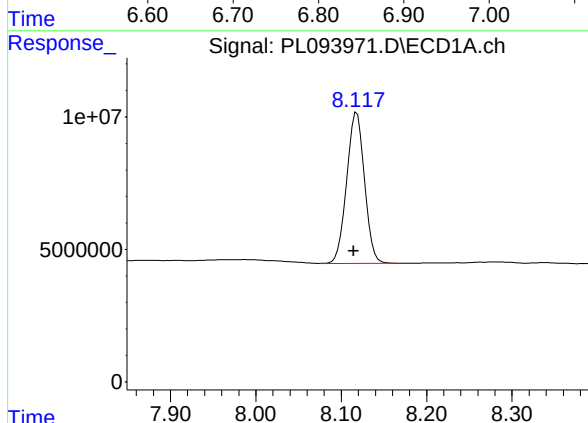
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



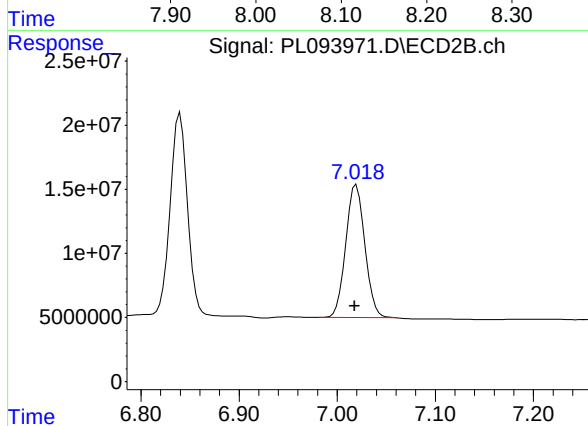
## #21 Endrin ketone

R.T.: 6.840 min  
Delta R.T.: 0.000 min  
Response: 192435988  
Conc: 45.87 ng/ml



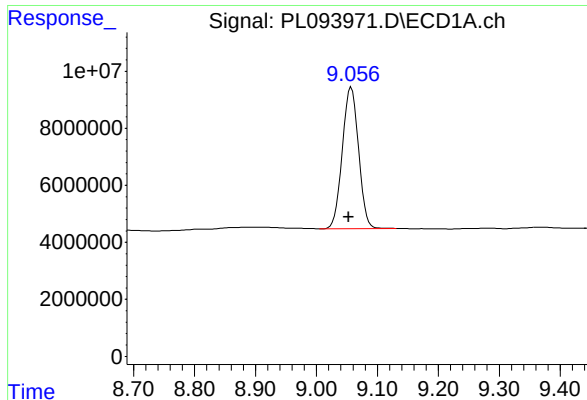
## #22 Mirex

R.T.: 8.118 min  
Delta R.T.: 0.004 min  
Response: 82894240  
Conc: 39.81 ng/ml



## #22 Mirex

R.T.: 7.020 min  
Delta R.T.: 0.002 min  
Response: 140640985  
Conc: 41.59 ng/ml



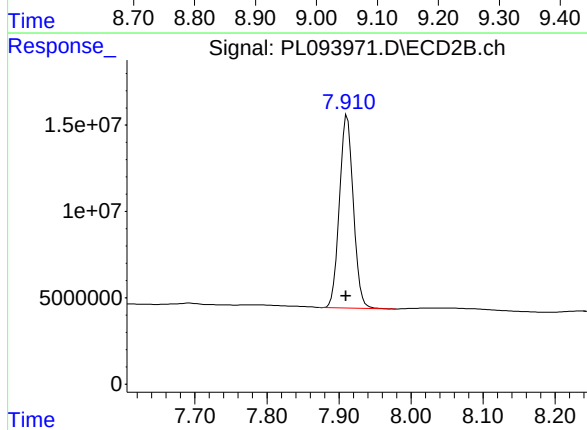
#28 Decachlorobiphenyl

R.T.: 9.057 min  
Delta R.T.: 0.004 min  
Response: 92166830  
Conc: 44.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.001 min  
Response: 148352395  
Conc: 42.34 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D Date Analyzed: 01/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:30

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.052 | 8.950     | 9.150 | 18.070     | 20.000     | -9.7  |
| Tetrachloro-m-xylene | 3.538 | 3.490     | 3.590 | 18.530     | 20.000     | -7.4  |
| alpha-BHC            | 3.994 | 3.940     | 4.040 | 9.490      | 10.000     | -5.1  |
| beta-BHC             | 4.525 | 4.470     | 4.580 | 9.790      | 10.000     | -2.1  |
| gamma-BHC (Lindane)  | 4.326 | 4.280     | 4.380 | 9.300      | 10.000     | -7.0  |
| Endrin               | 6.572 | 6.500     | 6.640 | 41.270     | 50.000     | -17.5 |
| 4,4'-DDT             | 7.022 | 6.950     | 7.090 | 82.410     | 100.000    | -17.6 |
| Methoxychlor         | 7.498 | 7.430     | 7.570 | 190.380    | 250.000    | -23.8 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D Date Analyzed: 01/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:30

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 7.909 | 7.810     | 8.010 | 17.950     | 20.000     | -10.3 |
| Tetrachloro-m-xylene | 2.775 | 2.720     | 2.830 | 17.900     | 20.000     | -10.5 |
| alpha-BHC            | 3.277 | 3.230     | 3.330 | 8.620      | 10.000     | -13.8 |
| beta-BHC             | 3.907 | 3.860     | 3.960 | 9.800      | 10.000     | -2.0  |
| gamma-BHC (Lindane)  | 3.607 | 3.560     | 3.660 | 8.300      | 10.000     | -17.0 |
| Endrin               | 5.636 | 5.570     | 5.710 | 42.700     | 50.000     | -14.6 |
| 4,4'-DDT             | 6.034 | 5.960     | 6.100 | 96.510     | 100.000    | -3.5  |
| Methoxychlor         | 6.609 | 6.540     | 6.680 | 209.940    | 250.000    | -16.0 |

**Data File:** PEM  
**Operator:** PL093726.D **Date Acquired** 1/21/2025 10:30  
 AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.57 | 96765136.66 | 105215770.7           | 8450634.06          | 8.03         |
| Endrin aldehyde | 6.92 | 3175682.472 |                       |                     |              |
| Endrin ketone   | 7.64 | 5274951.584 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.64 | 157695791.8 | 174071574             | 16375782.2          | 9.41         |
| Endrin aldehyde #2 | 6.11 | 6776503.08  |                       |                     |              |
| Endrin ketone #2   | 6.84 | 9599279.119 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.02 | 162509369.8 | 166424298.6               | 3914928.76            | 2.35         |
| 4,4'-DDE | 6.19 | 560248.444  |                           |                       |              |
| 4,4'-DDD | 6.71 | 3354680.315 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.03 | 314041690   | 320417432.8               | 6375742.79            | 1.99         |
| 4,4'-DDE #2 | 5.23 | 775353.914  |                           |                       |              |
| 4,4'-DDD #2 | 5.78 | 5600388.877 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093726.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 10:30  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

### Manual Integrations APPROVED

Reviewed By : Abdul Mirza 01/22/2025  
 Supervised By : Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 14:04:38 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:02:23 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...          | 3.538 | 2.775 | 49897579 | 58438387 | 18.530  | 17.903  |
| 2) SA Decachlor...          | 9.052 | 7.909 | 37808316 | 62882920 | 18.074  | 17.946  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.994 | 3.277 | 36373358 | 42163610 | 9.487   | 8.624   |
| 3) MA gamma-BHC...          | 4.326 | 3.607 | 34234012 | 39348781 | 9.296   | 8.299   |
| 6) B beta-BHC               | 4.525 | 3.907 | 15730216 | 19569860 | 9.787   | 9.797   |
| 12) B 4,4'-DDE              | 6.193 | 5.230 | 560248   | 775354   | 0.230m  | 0.193   |
| 14) MA Endrin               | 6.572 | 5.636 | 96765137 | 157.7E6  | 41.268  | 42.705  |
| 16) A 4,4'-DDD              | 6.707 | 5.785 | 3354680  | 5600389  | 1.765m  | 1.774   |
| 17) MA 4,4'-DDT             | 7.022 | 6.034 | 162.5E6  | 314.0E6  | 82.406  | 96.508  |
| 18) B Endrin al...          | 6.921 | 6.109 | 3175682  | 6776503  | 1.634m  | 2.226 # |
| 20) A Methoxychlor          | 7.498 | 6.609 | 198.6E6  | 375.4E6  | 190.379 | 209.937 |
| 21) B Endrin ke...          | 7.640 | 6.838 | 5274952  | 9599279  | 2.091   | 2.288   |
| -----                       |       |       |          |          |         |         |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093726.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 10:30  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

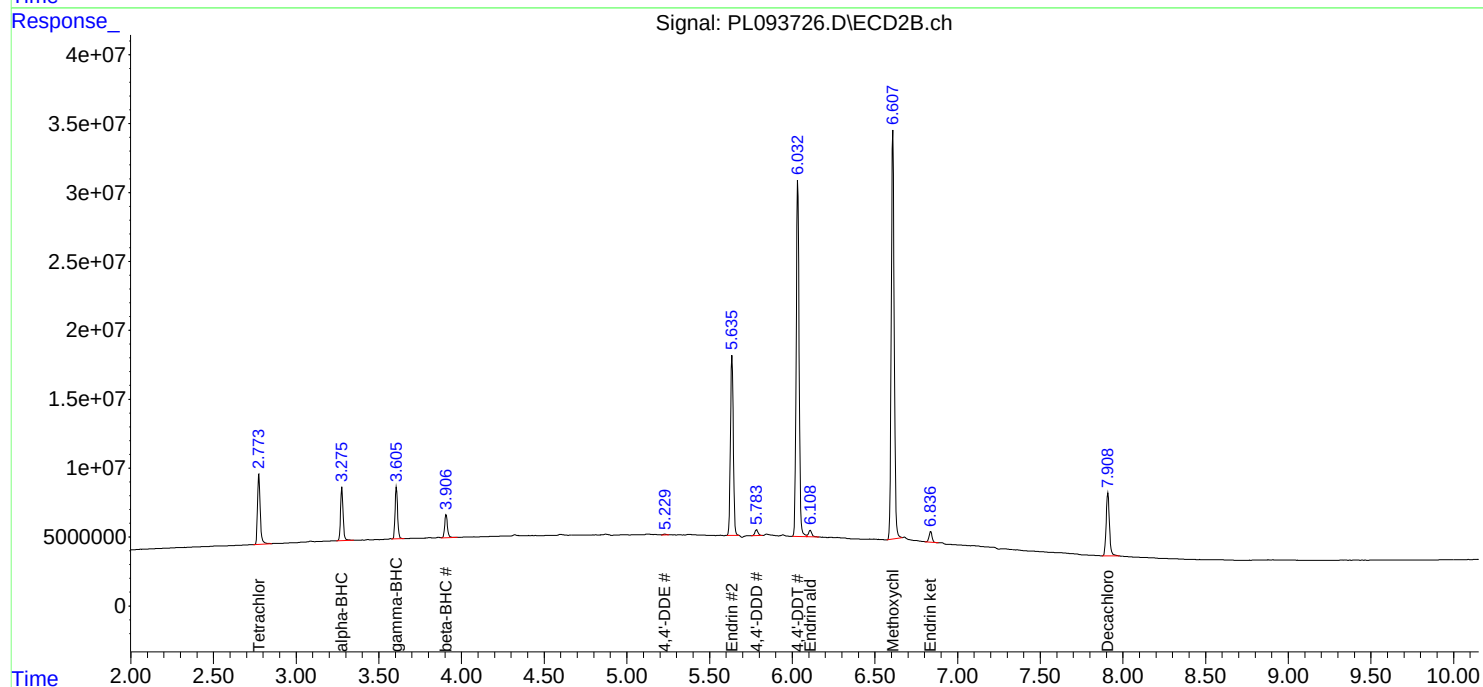
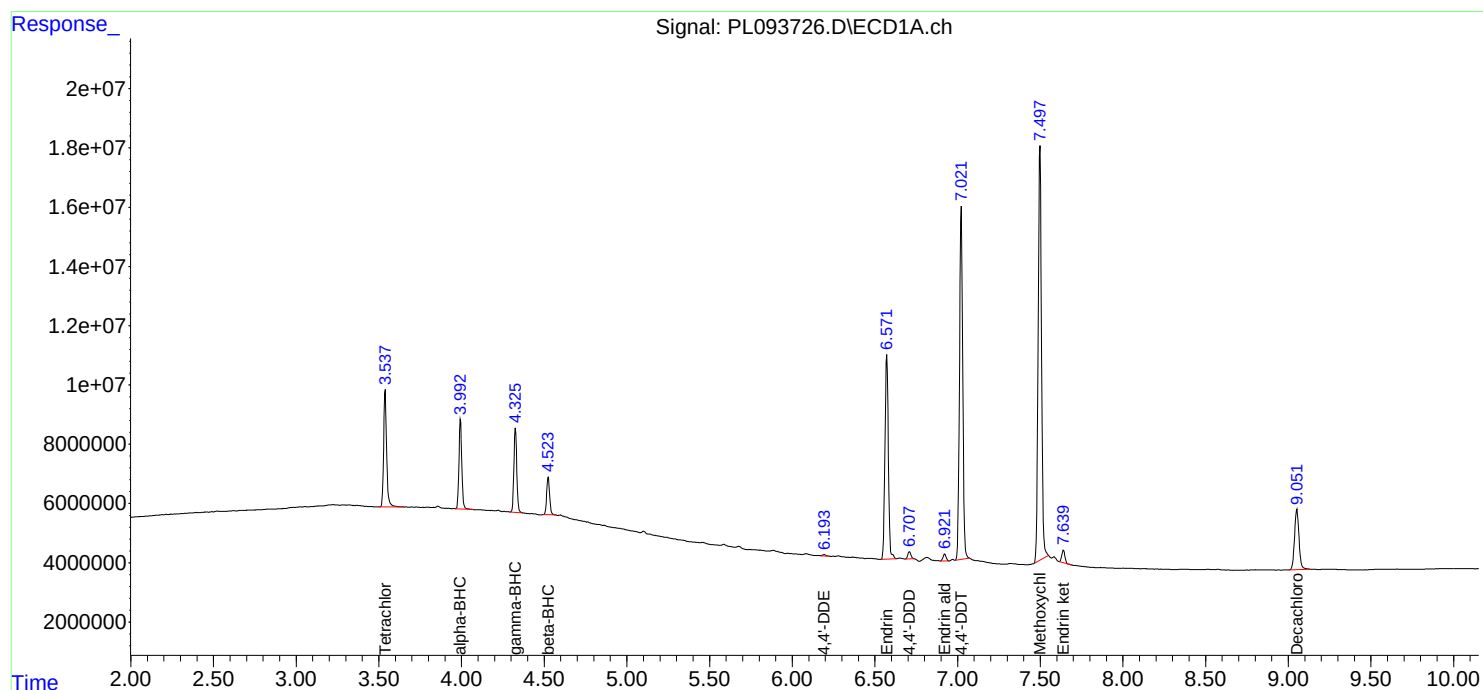
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

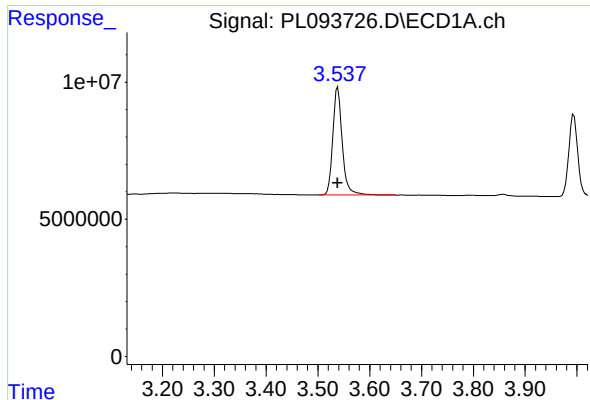
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 01/22/2025  
Supervised By : Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 14:04:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:02:23 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





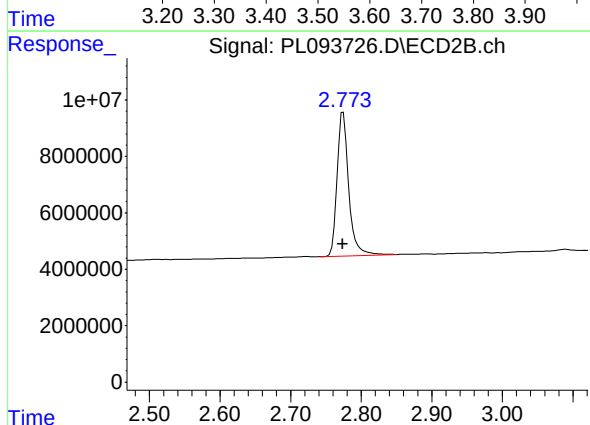
#1 Tetrachloro-m-xylene

R.T.: 3.538 min  
Delta R.T.: 0.000 min  
Response: 49897579  
Conc: 18.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

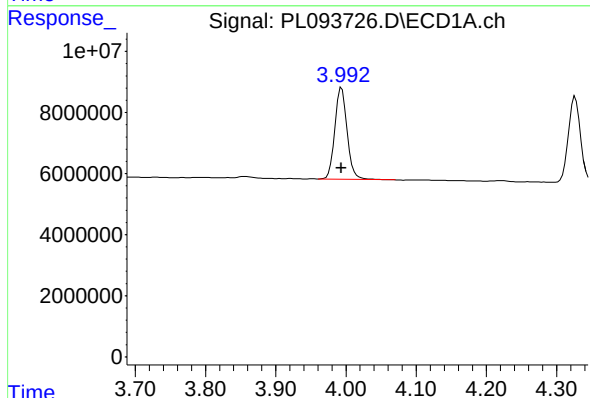
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



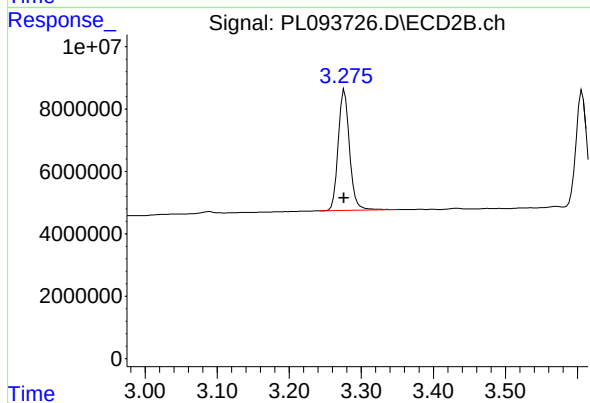
#1 Tetrachloro-m-xylene

R.T.: 2.775 min  
Delta R.T.: 0.000 min  
Response: 58438387  
Conc: 17.90 ng/ml



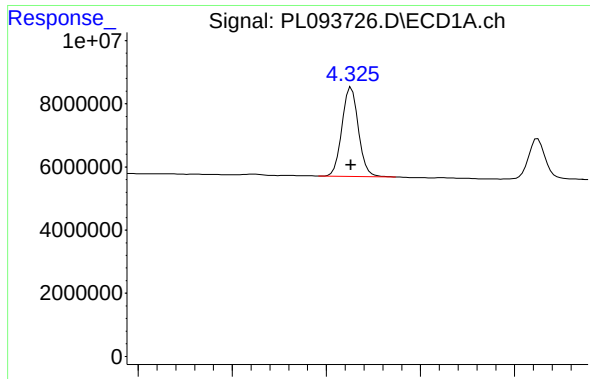
#2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 36373358  
Conc: 9.49 ng/ml



#2 alpha-BHC

R.T.: 3.277 min  
Delta R.T.: 0.000 min  
Response: 42163610  
Conc: 8.62 ng/ml



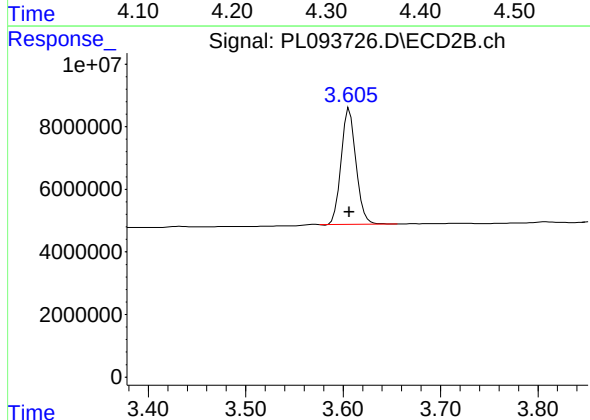
#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 34234012  
Conc: 9.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

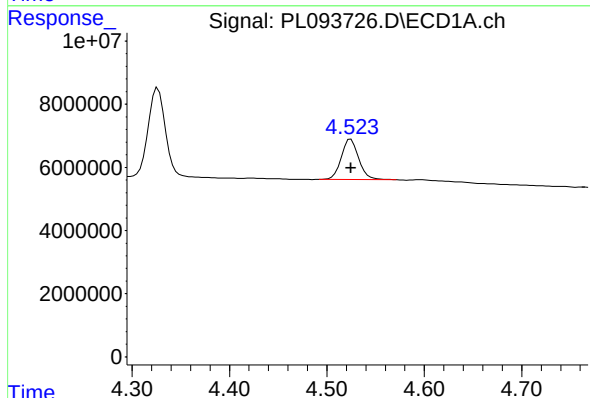
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



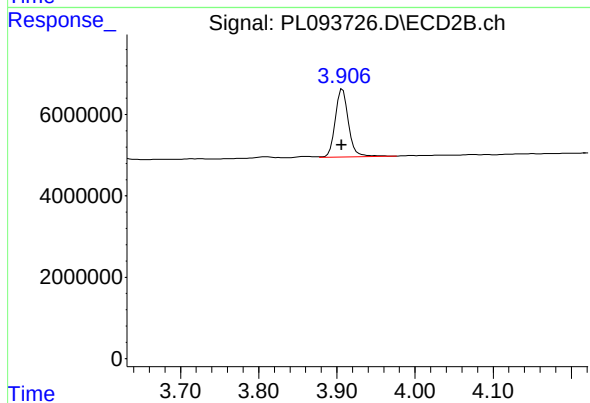
#3 gamma-BHC (Lindane)

R.T.: 3.607 min  
Delta R.T.: 0.000 min  
Response: 39348781  
Conc: 8.30 ng/ml



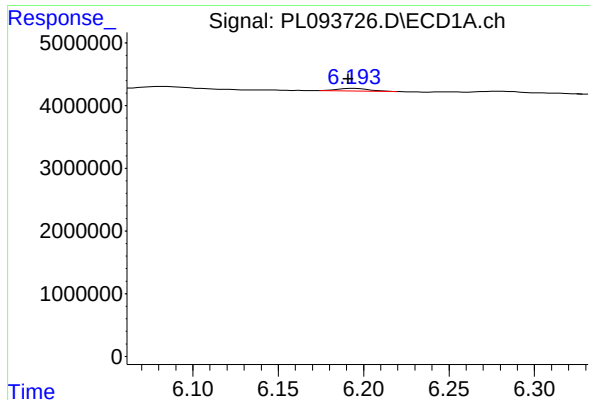
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 15730216  
Conc: 9.79 ng/ml



#6 beta-BHC

R.T.: 3.907 min  
Delta R.T.: 0.001 min  
Response: 19569860  
Conc: 9.80 ng/ml



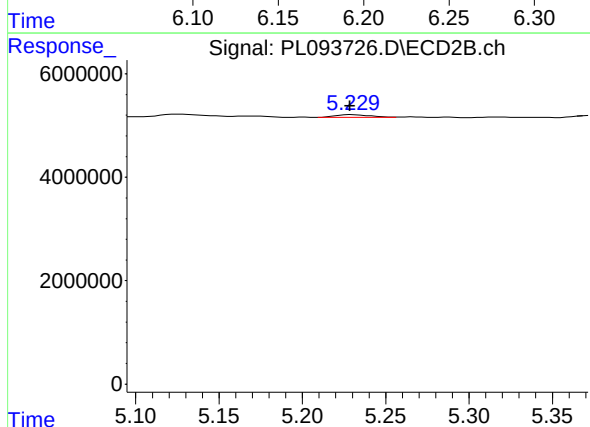
#12 4,4'-DDE

R.T.: 6.193 min  
Delta R.T.: 0.002 min  
Response: 560248  
Conc: 0.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

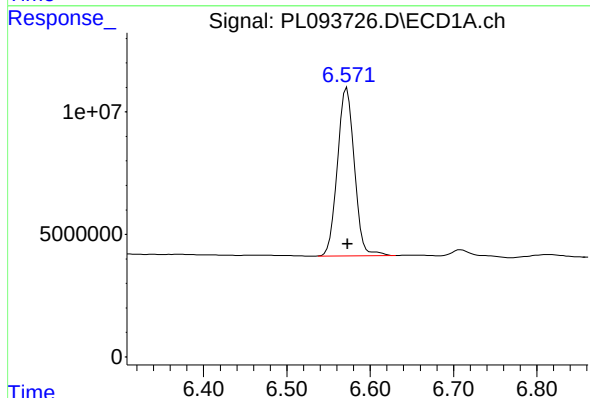
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



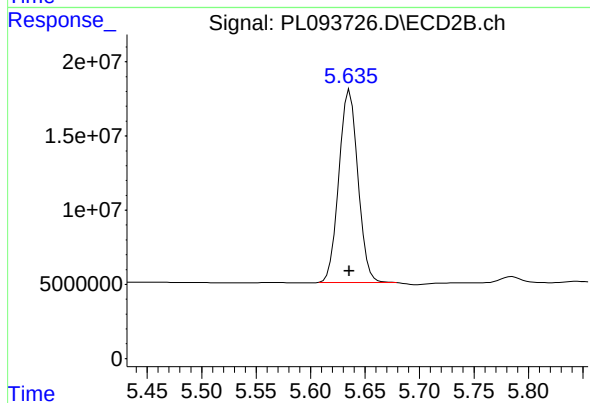
#12 4,4'-DDE

R.T.: 5.230 min  
Delta R.T.: 0.002 min  
Response: 775354  
Conc: 0.19 ng/ml



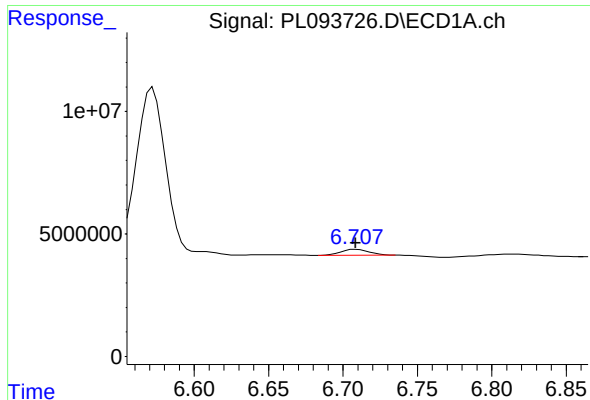
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 96765137  
Conc: 41.27 ng/ml



#14 Endrin

R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 157695792  
Conc: 42.70 ng/ml



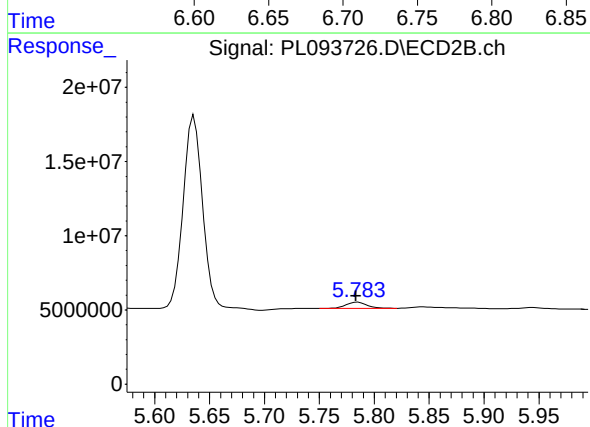
#16 4,4'-DDD

R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 3354680  
Conc: 1.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

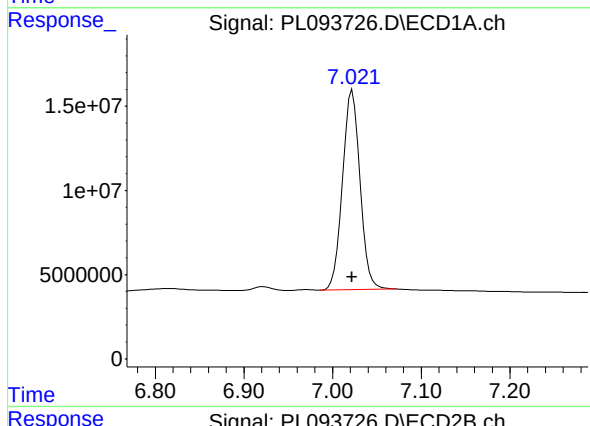
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



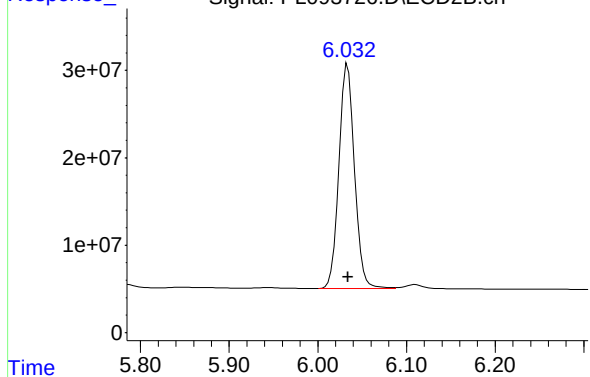
#16 4,4'-DDD

R.T.: 5.785 min  
Delta R.T.: 0.001 min  
Response: 5600389  
Conc: 1.77 ng/ml



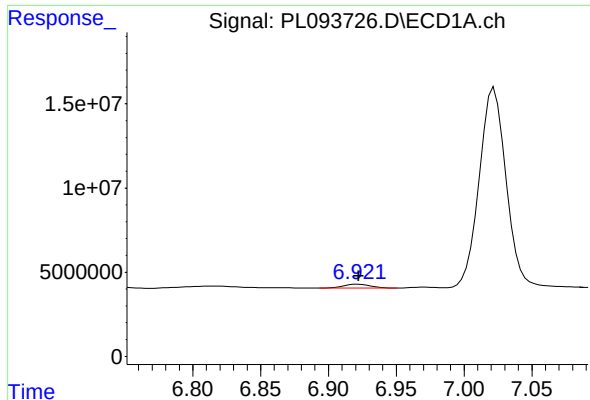
#17 4,4'-DDT

R.T.: 7.022 min  
Delta R.T.: 0.000 min  
Response: 162509370  
Conc: 82.41 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 314041690  
Conc: 96.51 ng/ml



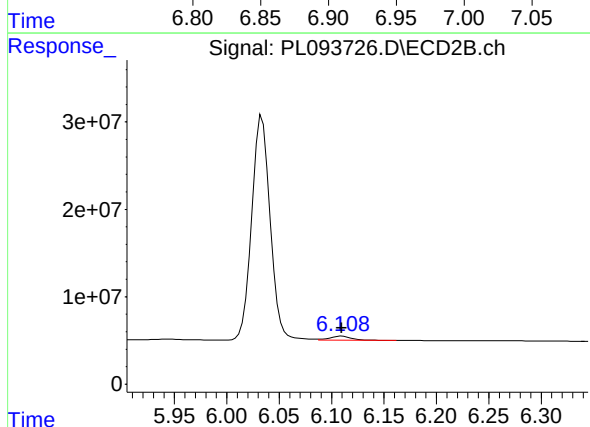
#18 Endrin aldehyde

R.T.: 6.921 min  
Delta R.T.: -0.001 min  
Response: 3175682  
Conc: 1.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

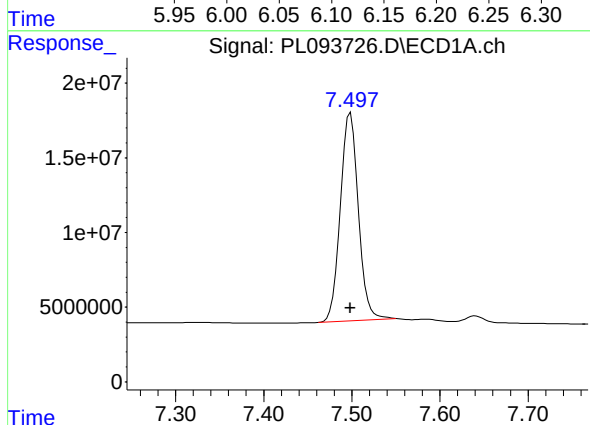
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



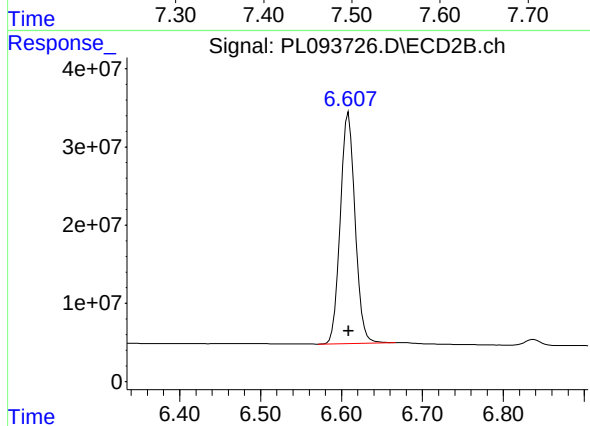
#18 Endrin aldehyde

R.T.: 6.109 min  
Delta R.T.: 0.000 min  
Response: 6776503  
Conc: 2.23 ng/ml



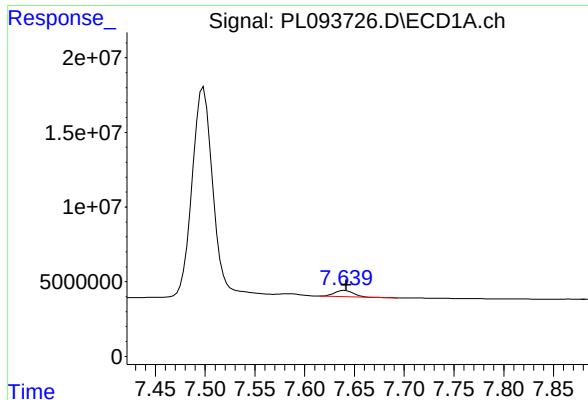
#20 Methoxychlor

R.T.: 7.498 min  
Delta R.T.: 0.000 min  
Response: 198641245  
Conc: 190.38 ng/ml



#20 Methoxychlor

R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 375396697  
Conc: 209.94 ng/ml



#21 Endrin ketone

R.T.: 7.640 min  
Delta R.T.: -0.001 min  
Response: 5274952  
Conc: 2.09 ng/ml

Instrument :

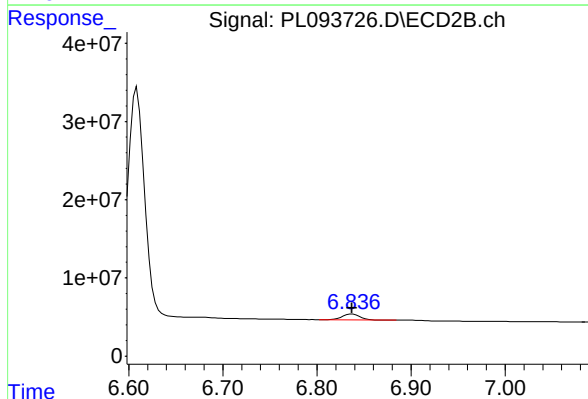
ECD\_L

ClientSampleId :

PEM

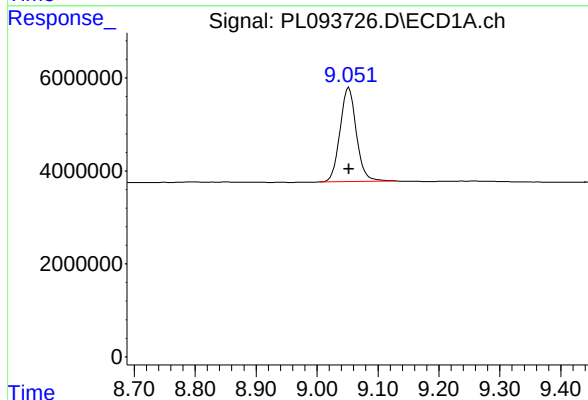
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



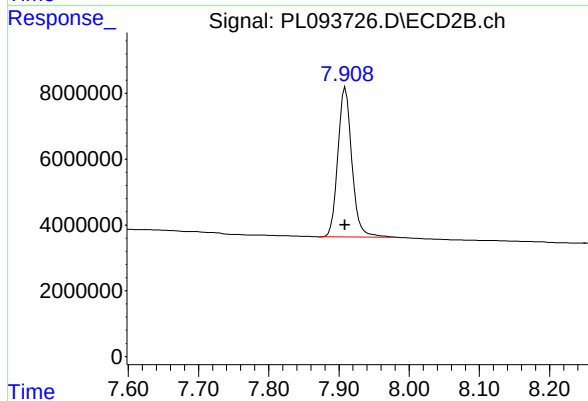
#21 Endrin ketone

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 9599279  
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min  
Delta R.T.: 0.000 min  
Response: 37808316  
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 62882920  
Conc: 17.95 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093929.D Date Analyzed: 01/31/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 9.055 | 8.950     | 9.160 | 20.810     | 20.000     | 4.1  |
| Tetrachloro-m-xylene | 3.536 | 3.490     | 3.590 | 21.970     | 20.000     | 9.9  |
| alpha-BHC            | 3.993 | 3.940     | 4.040 | 11.710     | 10.000     | 17.1 |
| beta-BHC             | 4.524 | 4.470     | 4.570 | 11.950     | 10.000     | 19.5 |
| gamma-BHC (Lindane)  | 4.325 | 4.270     | 4.380 | 11.550     | 10.000     | 15.5 |
| Endrin               | 6.571 | 6.500     | 6.640 | 48.650     | 50.000     | -2.7 |
| 4,4'-DDT             | 7.023 | 6.950     | 7.090 | 111.680    | 100.000    | 11.7 |
| Methoxychlor         | 7.499 | 7.430     | 7.570 | 263.710    | 250.000    | 5.5  |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093929.D Date Analyzed: 01/31/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 7.909 | 7.810     | 8.010 | 20.550     | 20.000     | 2.8  |
| Tetrachloro-m-xylene | 2.773 | 2.720     | 2.820 | 21.090     | 20.000     | 5.5  |
| alpha-BHC            | 3.276 | 3.230     | 3.330 | 10.040     | 10.000     | 0.4  |
| beta-BHC             | 3.906 | 3.860     | 3.960 | 10.760     | 10.000     | 7.6  |
| gamma-BHC (Lindane)  | 3.606 | 3.560     | 3.660 | 9.410      | 10.000     | -5.9 |
| Endrin               | 5.636 | 5.570     | 5.710 | 52.600     | 50.000     | 5.2  |
| 4,4'-DDT             | 6.034 | 5.960     | 6.100 | 118.390    | 100.000    | 18.4 |
| Methoxychlor         | 6.609 | 6.540     | 6.680 | 266.850    | 250.000    | 6.7  |



**Data File:** PEM  
 PL093929.D **Date Acquired** 1/31/2025 11:04  
**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.57 | 114069036.6 | 123405513.4           | 9336476.86          | Down<br>7.57 |
| Endrin aldehyde | 6.92 | 3204039.84  |                       |                     |              |
| Endrin ketone   | 7.64 | 6132437.023 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.64 | 194240646   | 206778735.2           | 12538089.3          | 6.06         |
| Endrin aldehyde #2 | 6.11 | 5122985.811 |                       |                     |              |
| Endrin ketone #2   | 6.84 | 7415103.441 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.02 | 220234745.2 | 221974836.9               | 1740091.71            | 0.78         |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.71 | 1740091.71  |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.03 | 385239381.2 | 387063377.5               | 1823996.3             | 0.47         |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.78 | 1823996.297 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
 Data File : PL093929.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 11:04  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

### Manual Integrations APPROVED

Reviewed By : Abdul Mirza 02/03/2025  
 Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:23:18 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.536 | 2.773 | 59160870 | 68856501 | 21.970  | 21.095  |
| 28) SA Decachlor...         | 9.055 | 7.909 | 43538365 | 71991432 | 20.813  | 20.545  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.993 | 3.276 | 44899644 | 49070780 | 11.711  | 10.037  |
| 3) MA gamma-BHC...          | 4.325 | 3.606 | 42528053 | 44605929 | 11.548  | 9.408   |
| 6) B beta-BHC               | 4.524 | 3.906 | 19203907 | 21501109 | 11.948  | 10.764  |
| 14) MA Endrin               | 6.571 | 5.636 | 114.1E6  | 194.2E6  | 48.647m | 52.601  |
| 16) A 4,4'-DDD              | 6.708 | 5.783 | 1740092  | 1823996  | 0.916m  | 0.578m# |
| 17) MA 4,4'-DDT             | 7.023 | 6.034 | 220.2E6  | 385.2E6  | 111.678 | 118.388 |
| 18) B Endrin al...          | 6.923 | 6.110 | 3204040  | 5122986  | 1.648   | 1.683   |
| 20) A Methoxychlor          | 7.499 | 6.609 | 275.2E6  | 477.2E6  | 263.715 | 266.852 |
| 21) B Endrin ke...          | 7.642 | 6.838 | 6132437  | 7415103  | 2.431   | 1.768 # |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093929.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 11:04  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

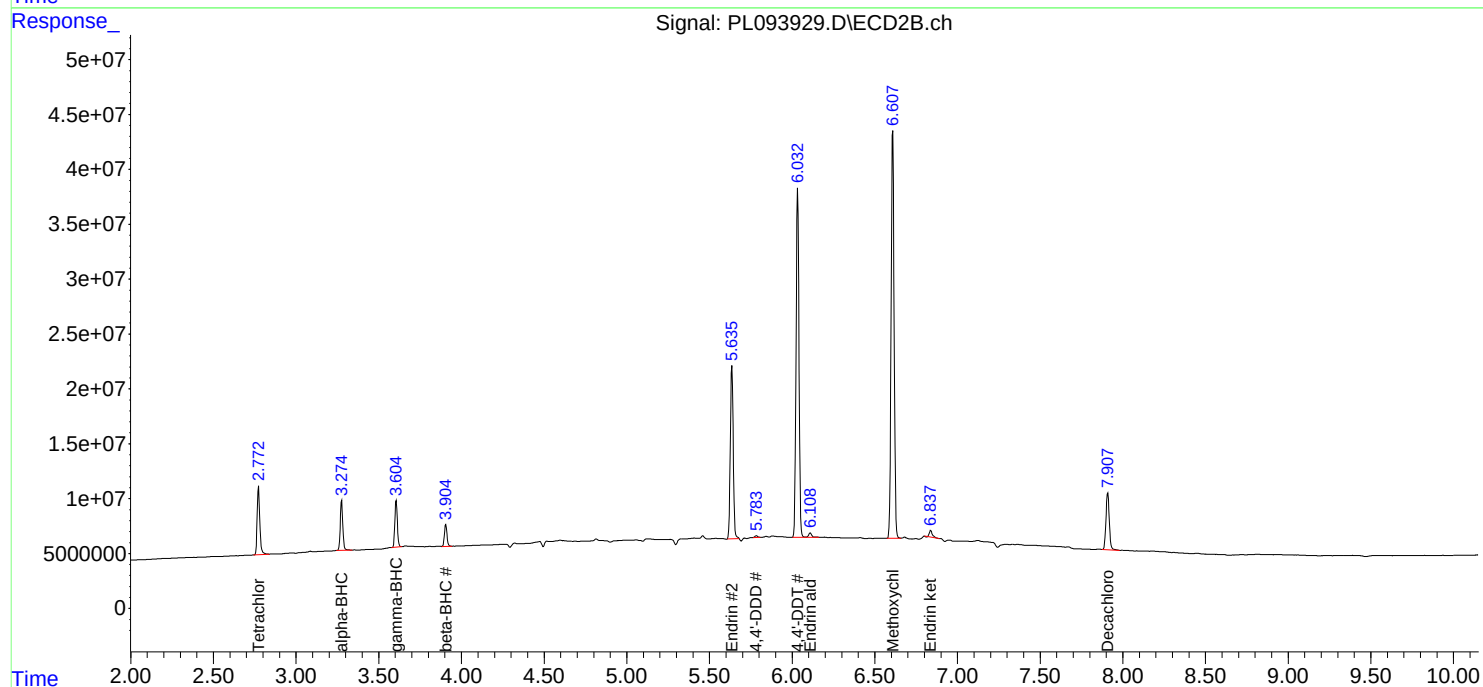
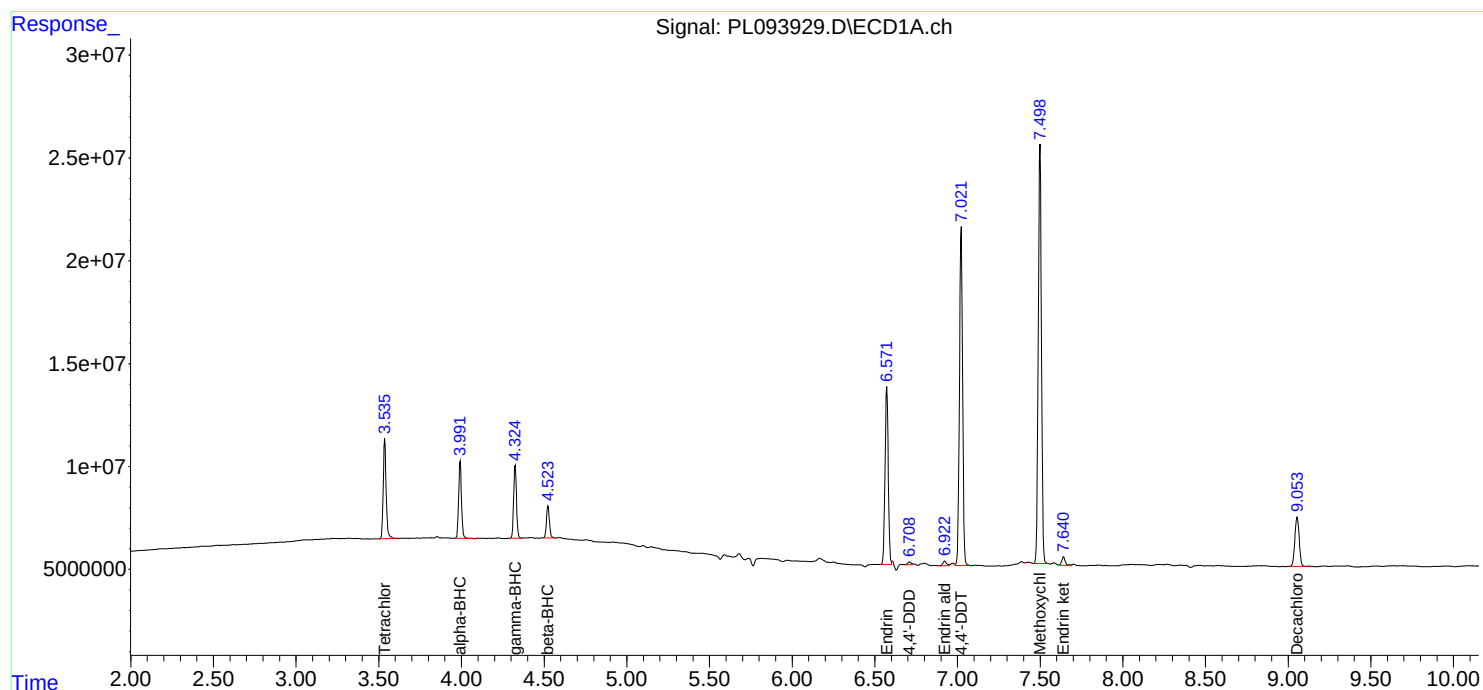
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

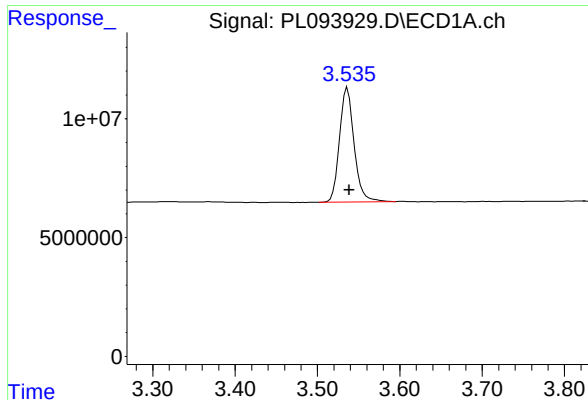
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 02/03/2025  
Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:23:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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





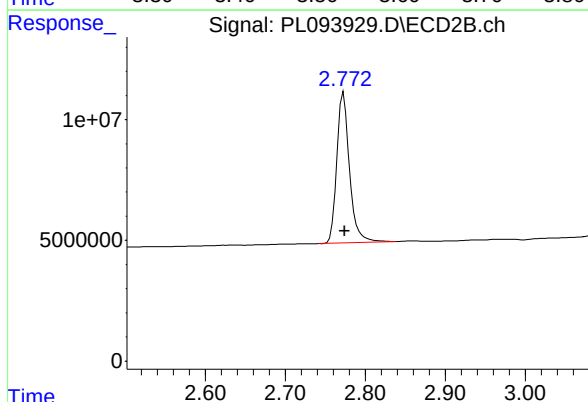
#1 Tetrachloro-m-xylene

R.T.: 3.536 min  
Delta R.T.: -0.003 min  
Response: 59160870  
Conc: 21.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

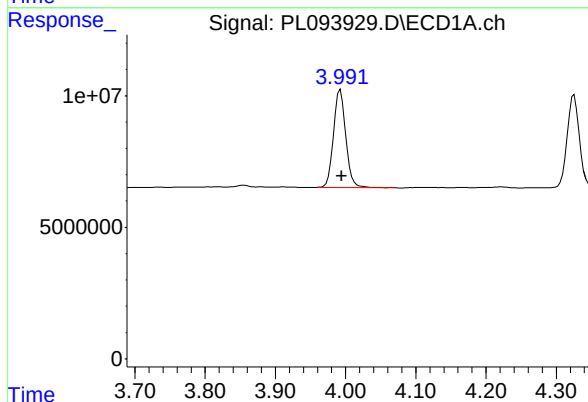
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



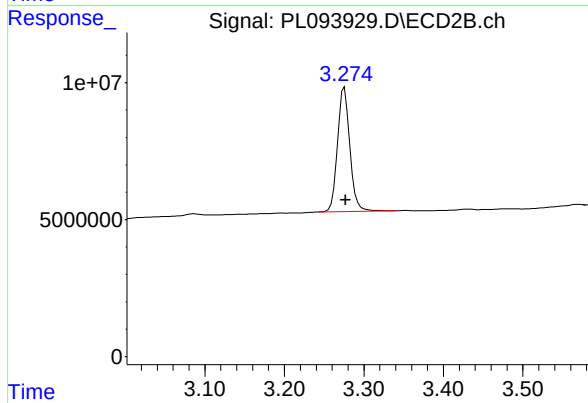
#1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: -0.002 min  
Response: 68856501  
Conc: 21.09 ng/ml



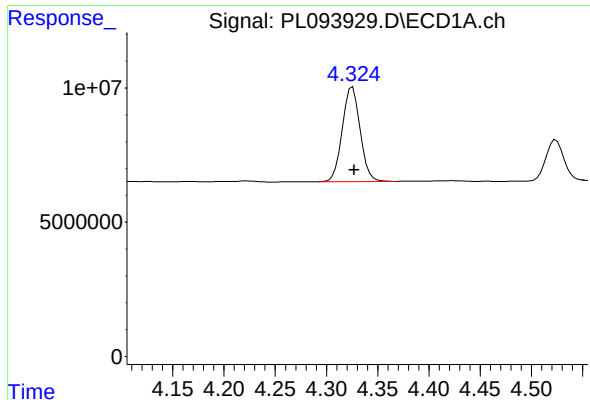
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: -0.002 min  
Response: 44899644  
Conc: 11.71 ng/ml



#2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: -0.001 min  
Response: 49070780  
Conc: 10.04 ng/ml



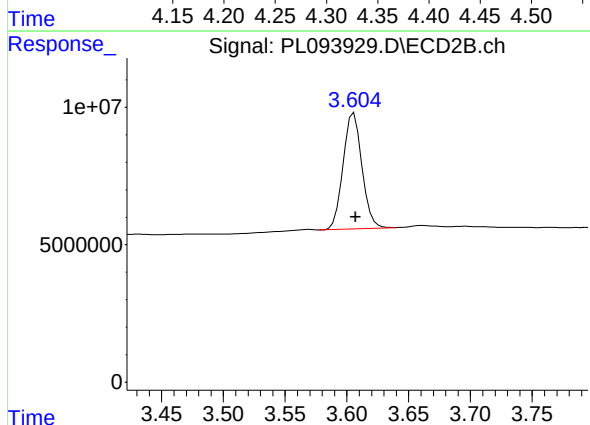
#3 gamma-BHC (Lindane)

R.T.: 4.325 min  
Delta R.T.: -0.002 min  
Response: 42528053  
Conc: 11.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

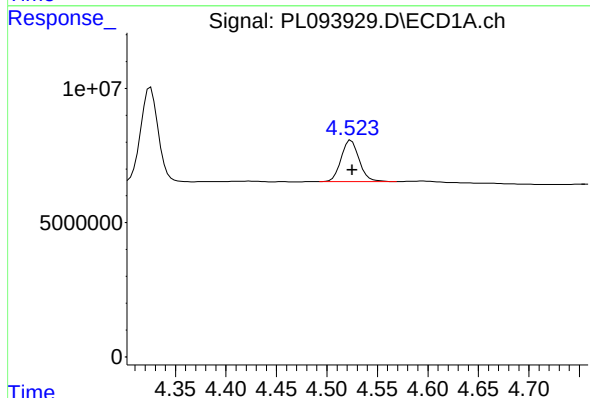
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



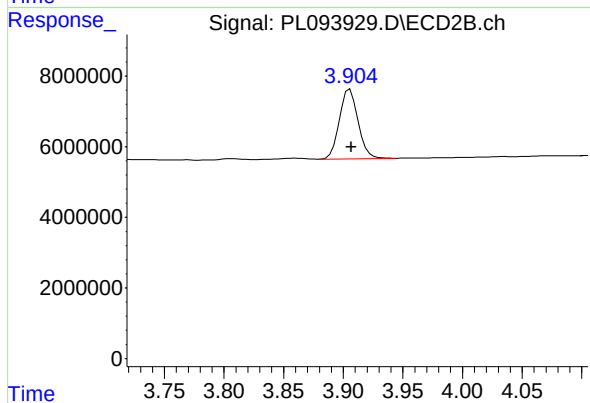
#3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: -0.001 min  
Response: 44605929  
Conc: 9.41 ng/ml



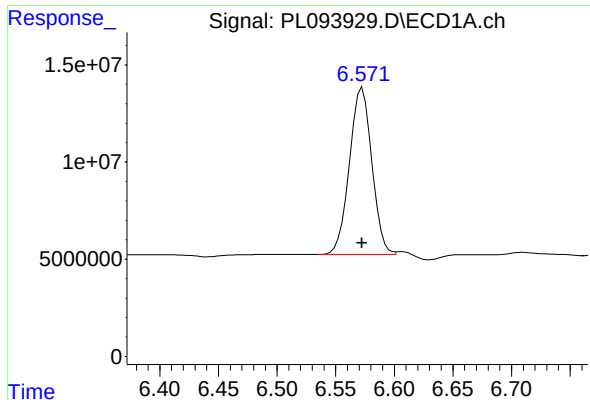
#6 beta-BHC

R.T.: 4.524 min  
Delta R.T.: -0.001 min  
Response: 19203907  
Conc: 11.95 ng/ml



#6 beta-BHC

R.T.: 3.906 min  
Delta R.T.: -0.001 min  
Response: 21501109  
Conc: 10.76 ng/ml



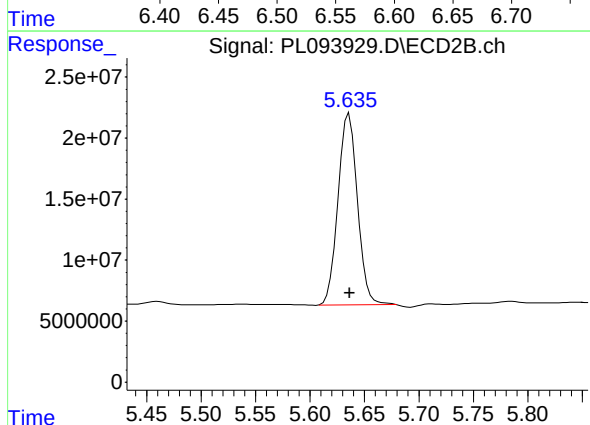
#14 Endrin

R.T.: 6.571 min  
Delta R.T.: -0.001 min  
Response: 114069037  
Conc: 48.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

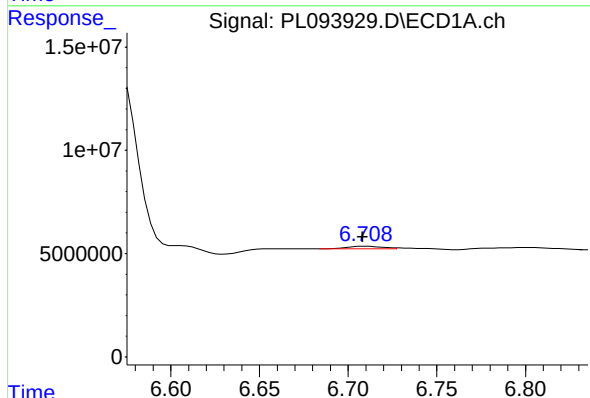
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



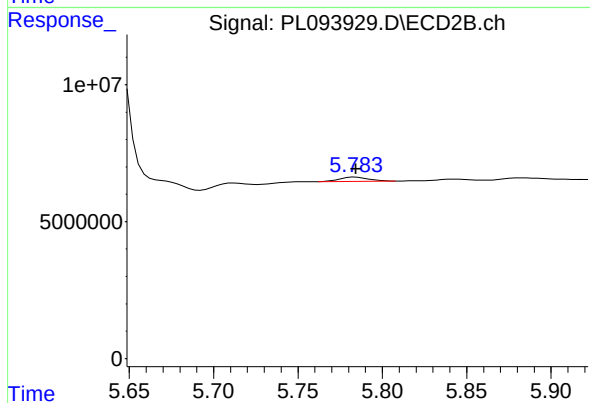
#14 Endrin

R.T.: 5.636 min  
Delta R.T.: 0.000 min  
Response: 194240646  
Conc: 52.60 ng/ml



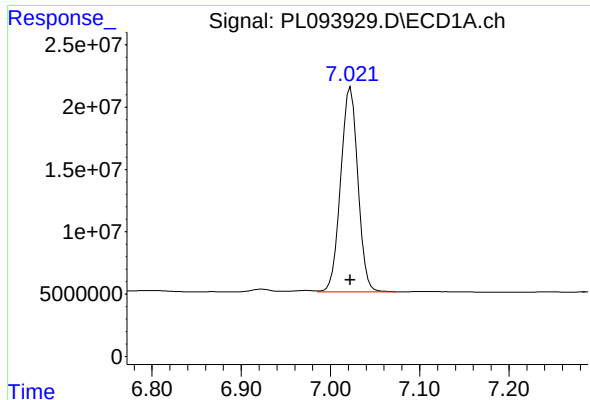
#16 4,4'-DDD

R.T.: 6.708 min  
Delta R.T.: 0.000 min  
Response: 1740092  
Conc: 0.92 ng/ml m



#16 4,4'-DDD

R.T.: 5.783 min  
Delta R.T.: -0.001 min  
Response: 1823996  
Conc: 0.58 ng/ml m



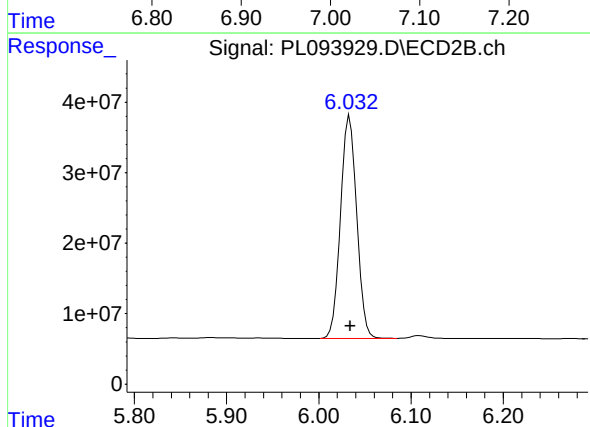
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.000 min  
Response: 220234745  
Conc: 111.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

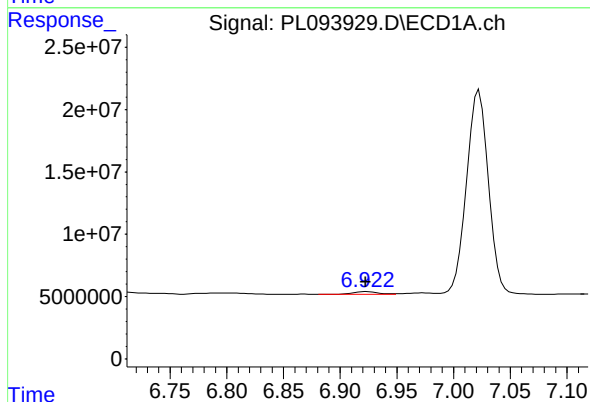
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



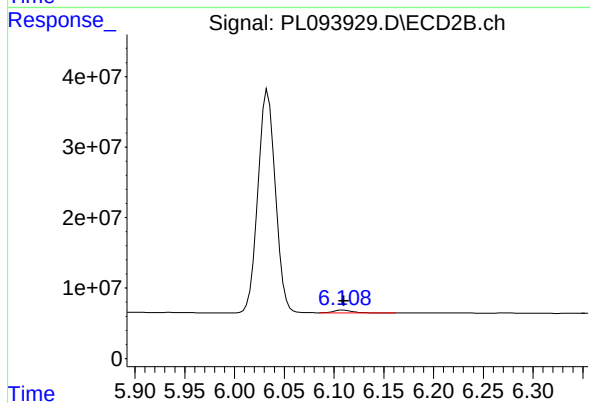
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 385239381  
Conc: 118.39 ng/ml



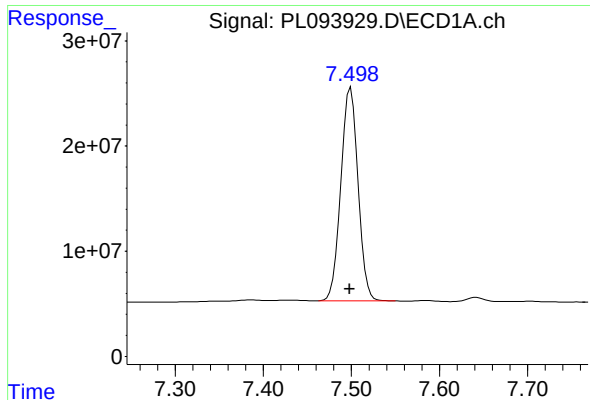
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 3204040  
Conc: 1.65 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 5122986  
Conc: 1.68 ng/ml



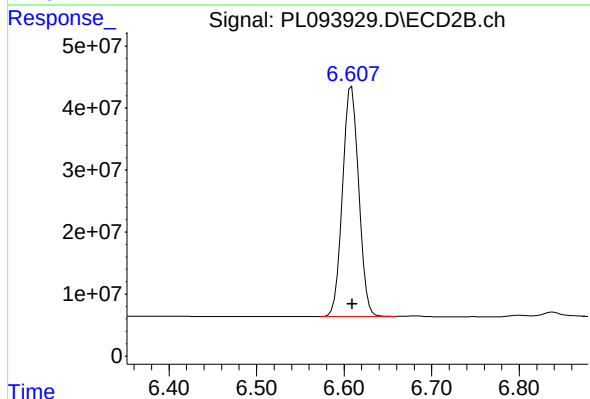
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.001 min  
Response: 275158888  
Conc: 263.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

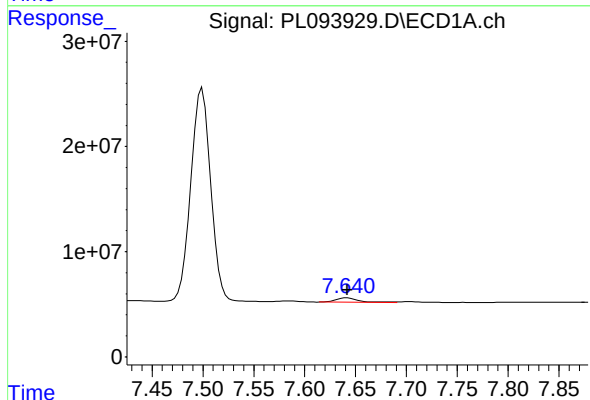
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



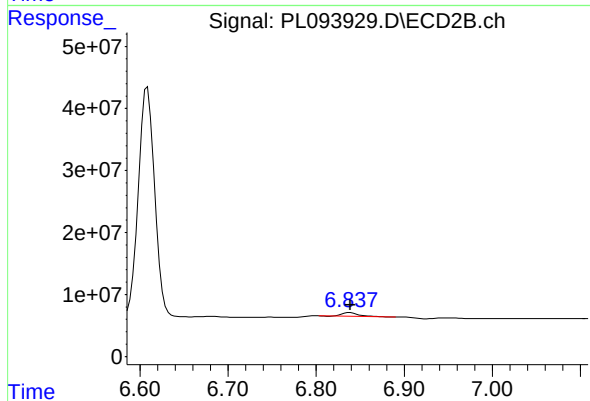
#20 Methoxychlor

R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 477168648  
Conc: 266.85 ng/ml



#21 Endrin ketone

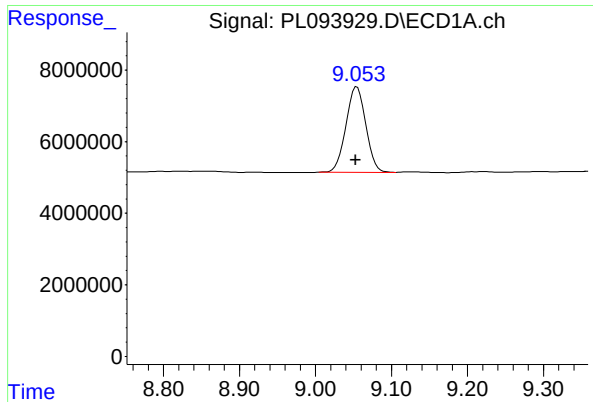
R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 6132437  
Conc: 2.43 ng/ml



#21 Endrin ketone

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 7415103  
Conc: 1.77 ng/ml





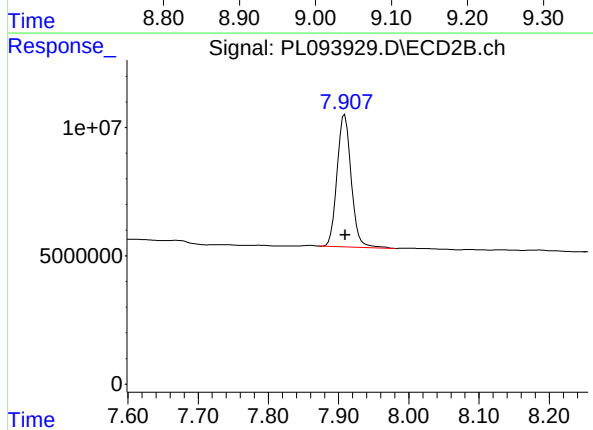
#28 Decachlorobiphenyl

R.T.: 9.055 min  
Delta R.T.: 0.002 min  
Response: 43538365  
Conc: 20.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 71991432  
Conc: 20.55 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093958.D Date Analyzed: 01/31/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:39

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 9.056 | 8.960     | 9.160 | 20.910             | 20.000            | 4.6  |
| Tetrachloro-m-xylene | 3.537 | 3.490     | 3.590 | 23.840             | 20.000            | 19.2 |
| alpha-BHC            | 3.993 | 3.940     | 4.040 | 12.420             | 10.000            | 24.2 |
| beta-BHC             | 4.525 | 4.470     | 4.580 | 12.480             | 10.000            | 24.8 |
| gamma-BHC (Lindane)  | 4.326 | 4.280     | 4.380 | 11.910             | 10.000            | 19.1 |
| Endrin               | 6.572 | 6.500     | 6.640 | 47.160             | 50.000            | -5.7 |
| 4,4'-DDT             | 7.024 | 6.950     | 7.090 | 98.200             | 100.000           | -1.8 |
| Methoxychlor         | 7.501 | 7.430     | 7.570 | 231.470            | 250.000           | -7.4 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093958.D Date Analyzed: 01/31/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:39

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 7.911 | 7.810     | 8.010 | 18.550             | 20.000            | -7.3 |
| Tetrachloro-m-xylene | 2.774 | 2.720     | 2.820 | 22.890             | 20.000            | 14.5 |
| alpha-BHC            | 3.276 | 3.230     | 3.330 | 10.850             | 10.000            | 8.5  |
| beta-BHC             | 3.907 | 3.860     | 3.960 | 12.090             | 10.000            | 20.9 |
| gamma-BHC (Lindane)  | 3.606 | 3.560     | 3.660 | 10.490             | 10.000            | 4.9  |
| Endrin               | 5.637 | 5.570     | 5.710 | 50.900             | 50.000            | 1.8  |
| 4,4'-DDT             | 6.034 | 5.960     | 6.100 | 108.940            | 100.000           | 8.9  |
| Methoxychlor         | 6.611 | 6.540     | 6.680 | 235.360            | 250.000           | -5.9 |

Data File: PEM  
 PL093958.D Date Acquired 1/31/2025 19:39  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down         |
|-----------------|------|-------------|-----------------------|---------------------|----------------------|
| Endrin          | 6.57 | 110571791.9 | 124023498.6           | 13451706.7          | Down<br><b>10.85</b> |
| Endrin aldehyde | 6.92 | 3858593.612 |                       |                     |                      |
| Endrin ketone   | 7.64 | 9593113.101 |                       |                     |                      |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.64 | 187947389.1 | 211853935             | 23906545.9          | <b>11.28</b> |
| Endrin aldehyde #2 | 6.11 | 7418834.795 |                       |                     |              |
| Endrin ketone #2   | 6.84 | 16487711.06 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.02 | 193658434.1 | 205489483                 | 11831048.9            | <b>5.76</b>  |
| 4,4'-DDE | 6.19 | 884644.732  |                           |                       |              |
| 4,4'-DDD | 6.71 | 10946404.2  |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.03 | 354508166   | 369800573.4               | 15292407.4            | <b>4.14</b>  |
| 4,4'-DDE #2 | 5.23 | 640806.411  |                           |                       |              |
| 4,4'-DDD #2 | 5.78 | 14651600.97 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
 Data File : PL093958.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 19:39  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

### Manual Integrations APPROVED

Reviewed By : Abdul Mirza 02/03/2025  
 Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:32:57 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.537 | 2.774 | 64208122 | 74728930 | 23.845  | 22.894  |
| 28) SA Decachlor...         | 9.056 | 7.911 | 43746756 | 65001026 | 20.912  | 18.550  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.993 | 3.276 | 47630507 | 53034269 | 12.424  | 10.848  |
| 3) MA gamma-BHC...          | 4.326 | 3.606 | 43873273 | 49725275 | 11.913  | 10.488  |
| 6) B beta-BHC               | 4.525 | 3.907 | 20063671 | 24147956 | 12.483  | 12.089  |
| 12) B 4,4'-DDE              | 6.187 | 5.228 | 884645   | 640806   | 0.363m  | 0.160m# |
| 14) MA Endrin               | 6.572 | 5.637 | 110.6E6  | 187.9E6  | 47.156m | 50.897  |
| 16) A 4,4'-DDD              | 6.709 | 5.785 | 10946404 | 14651601 | 5.760   | 4.642   |
| 17) MA 4,4'-DDT             | 7.024 | 6.034 | 193.7E6  | 354.5E6  | 98.201  | 108.944 |
| 18) B Endrin al...          | 6.924 | 6.110 | 3858594  | 7418835  | 1.985   | 2.437   |
| 20) A Methoxychlor          | 7.501 | 6.611 | 241.5E6  | 420.9E6  | 231.467 | 235.364 |
| 21) B Endrin ke...          | 7.644 | 6.839 | 9593113  | 16487711 | 3.803   | 3.930   |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093958.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 19:39  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

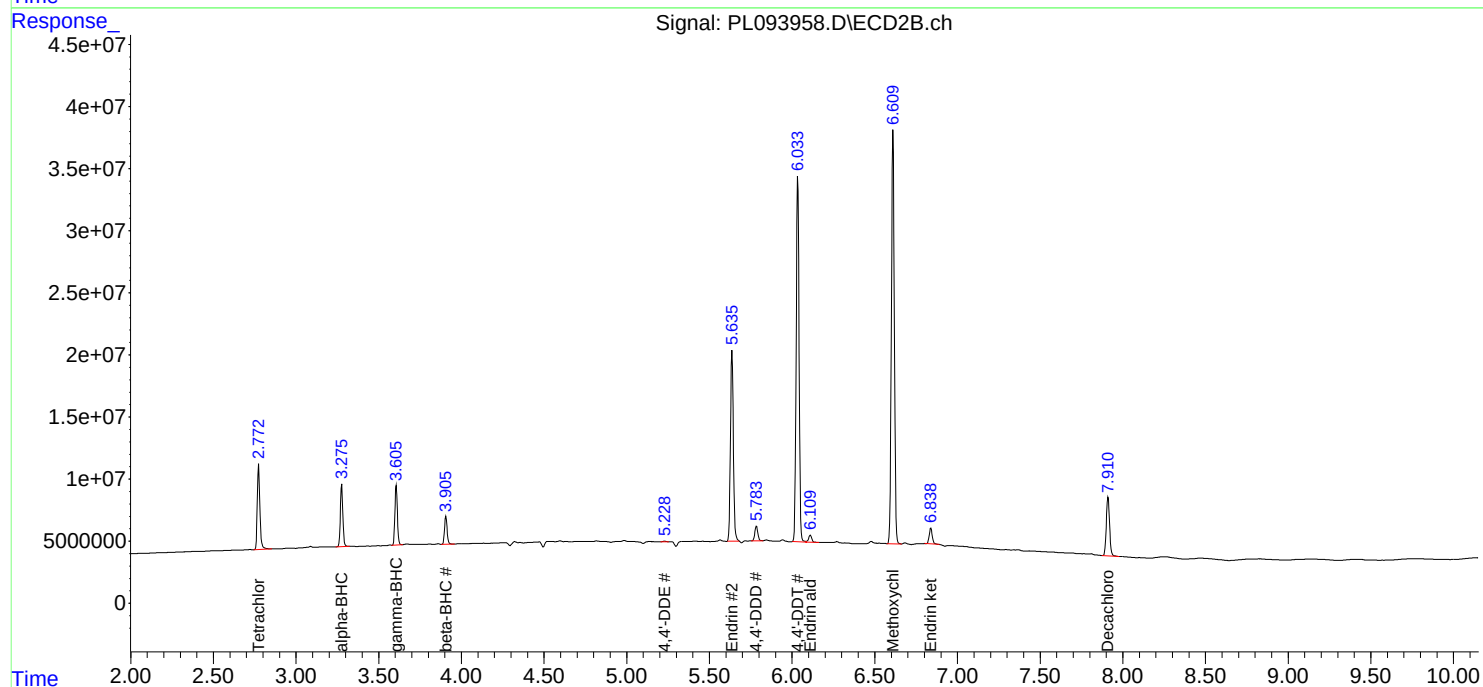
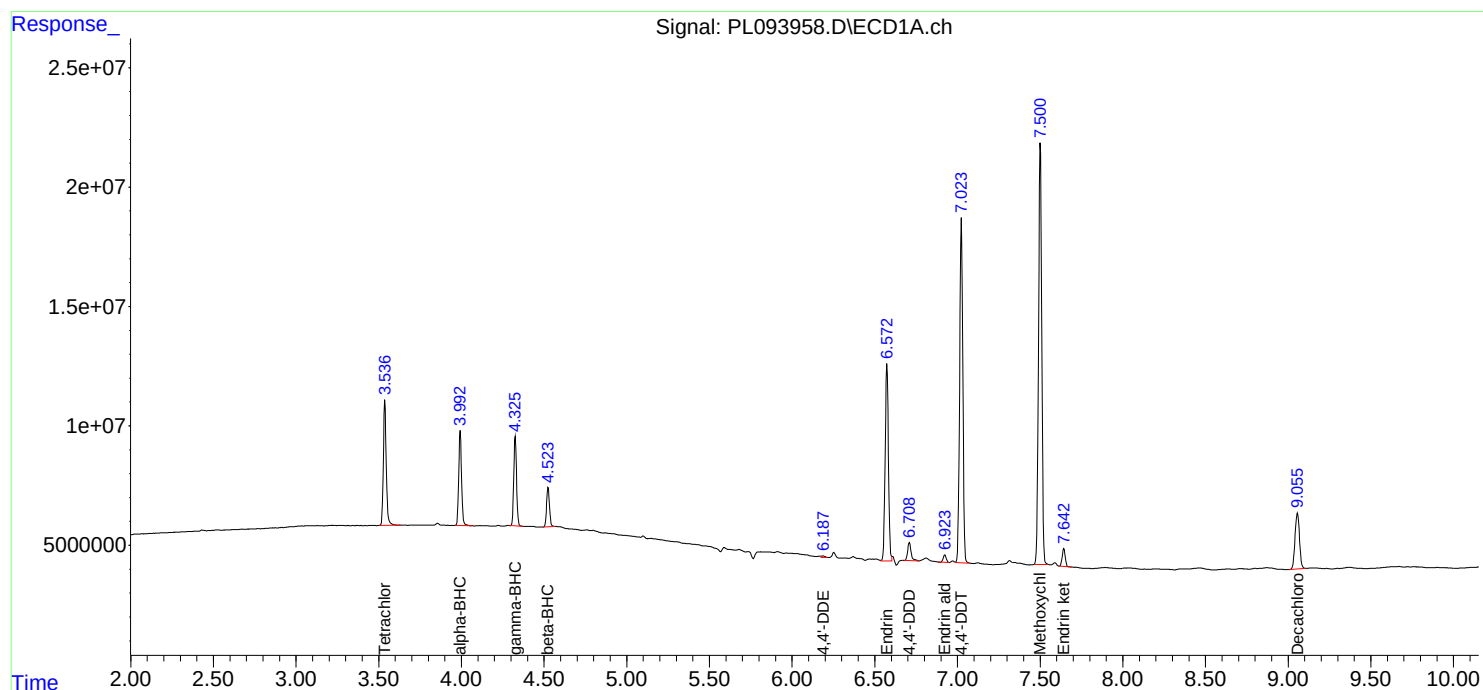
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

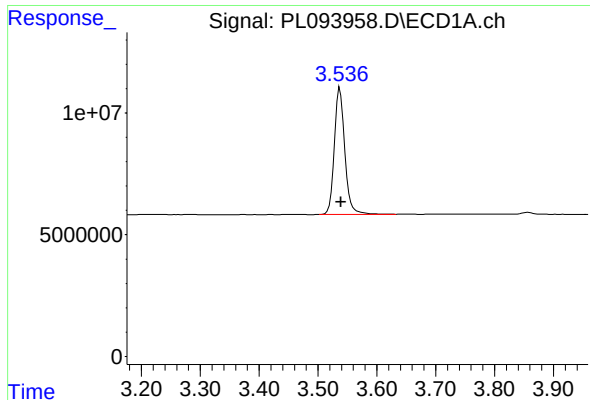
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 02/03/2025  
Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:32:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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





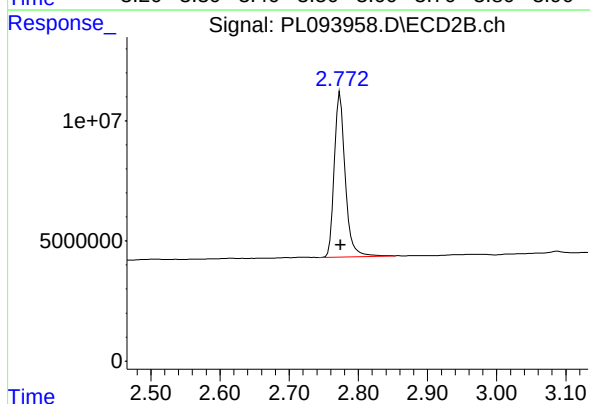
#1 Tetrachloro-m-xylene

R.T.: 3.537 min  
Delta R.T.: -0.002 min  
Response: 64208122  
Conc: 23.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

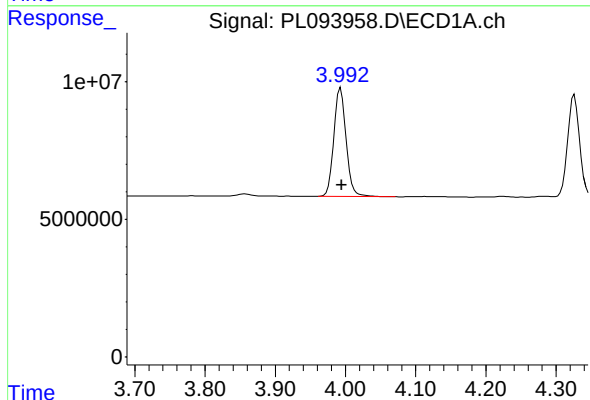
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



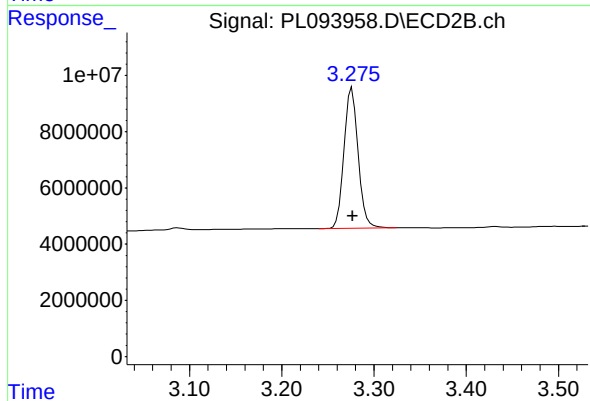
#1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 74728930  
Conc: 22.89 ng/ml



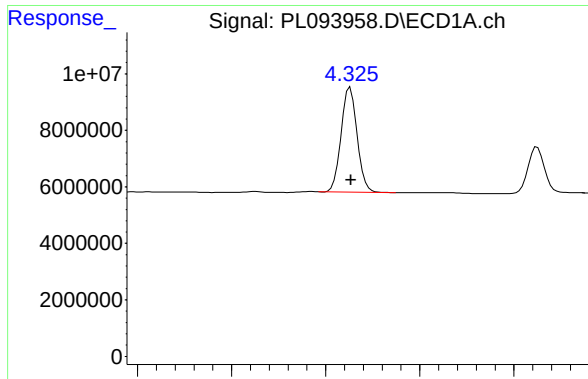
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: -0.001 min  
Response: 47630507  
Conc: 12.42 ng/ml



#2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 53034269  
Conc: 10.85 ng/ml



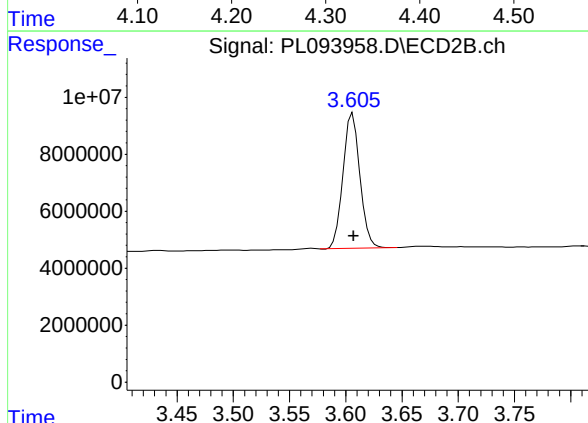
#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: -0.001 min  
Response: 43873273  
Conc: 11.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

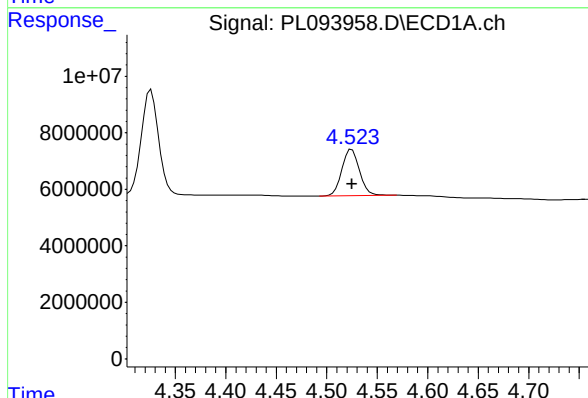
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



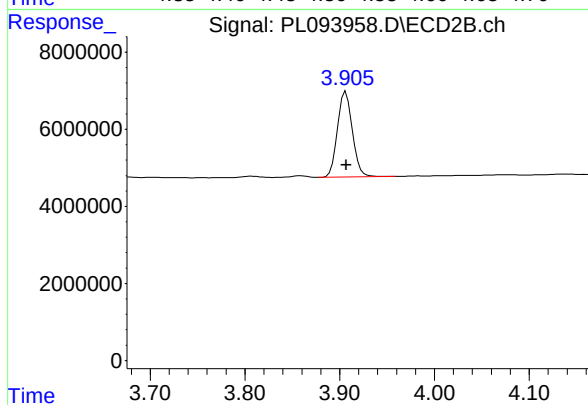
#3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: 0.000 min  
Response: 49725275  
Conc: 10.49 ng/ml



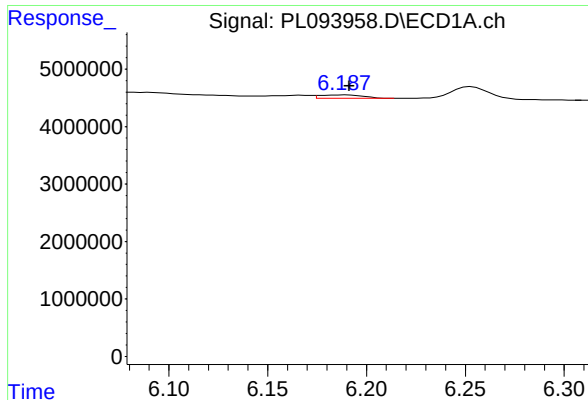
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 20063671  
Conc: 12.48 ng/ml



#6 beta-BHC

R.T.: 3.907 min  
Delta R.T.: 0.000 min  
Response: 24147956  
Conc: 12.09 ng/ml



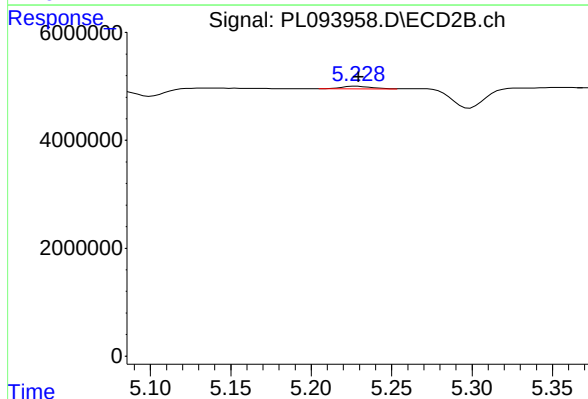
#12 4,4'-DDE

R.T.: 6.187 min  
Delta R.T.: -0.004 min  
Response: 884645  
Conc: 0.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

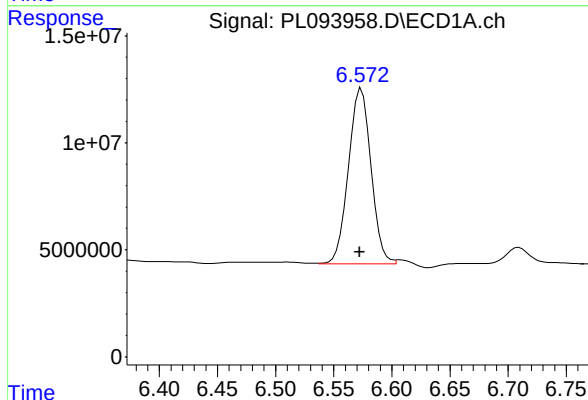
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



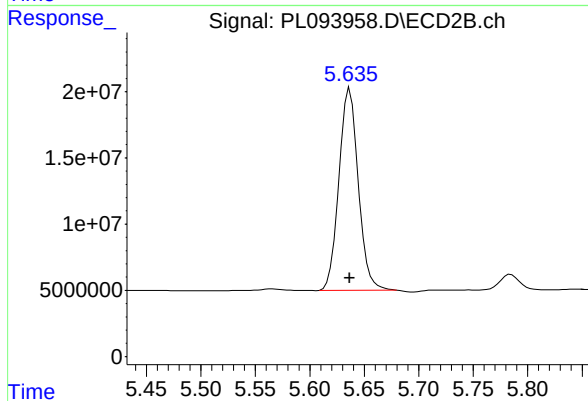
#12 4,4'-DDE

R.T.: 5.228 min  
Delta R.T.: -0.002 min  
Response: 640806  
Conc: 0.16 ng/ml



#14 Endrin

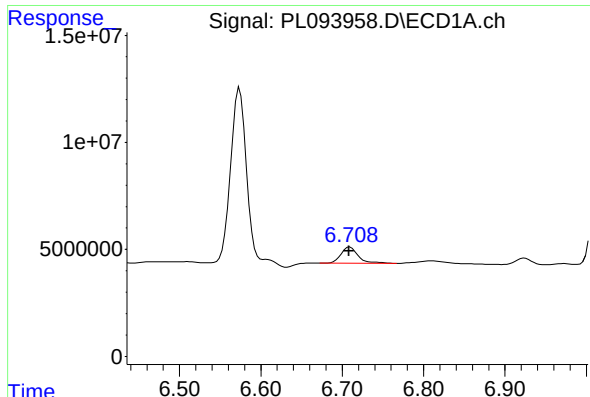
R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 110571792  
Conc: 47.16 ng/ml



#14 Endrin

R.T.: 5.637 min  
Delta R.T.: 0.000 min  
Response: 187947389  
Conc: 50.90 ng/ml





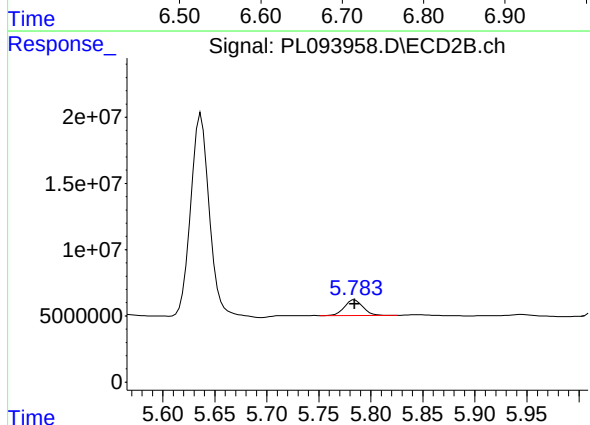
#16 4,4'-DDD

R.T.: 6.709 min  
Delta R.T.: 0.001 min  
Response: 10946404  
Conc: 5.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

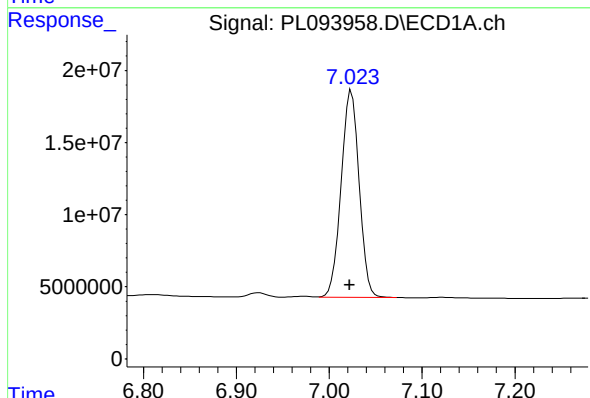
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



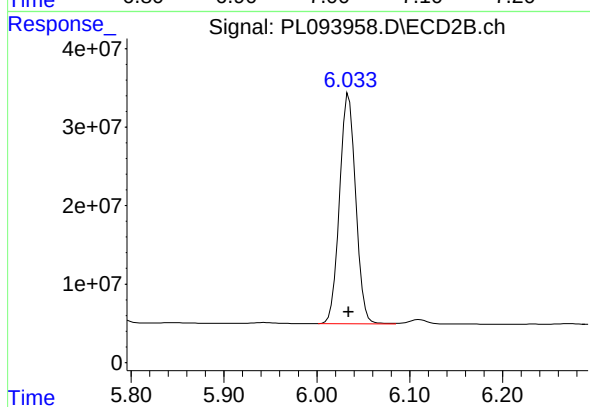
#16 4,4'-DDD

R.T.: 5.785 min  
Delta R.T.: 0.000 min  
Response: 14651601  
Conc: 4.64 ng/ml



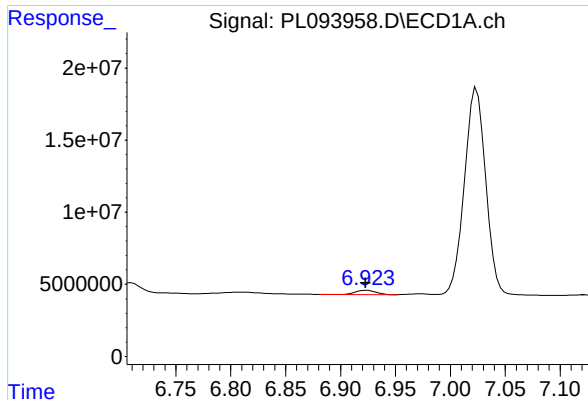
#17 4,4'-DDT

R.T.: 7.024 min  
Delta R.T.: 0.002 min  
Response: 193658434  
Conc: 98.20 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 354508166  
Conc: 108.94 ng/ml



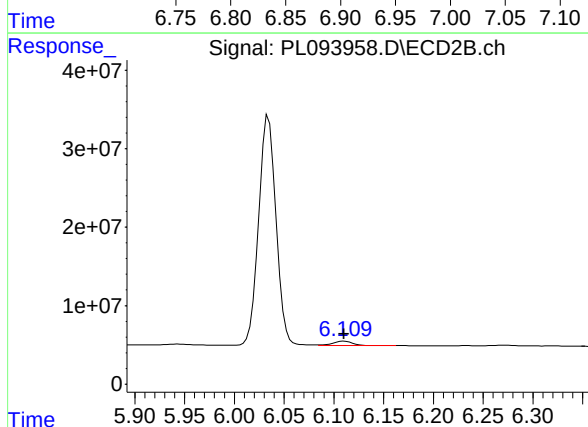
#18 Endrin aldehyde

R.T.: 6.924 min  
Delta R.T.: 0.001 min  
Response: 3858594  
Conc: 1.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

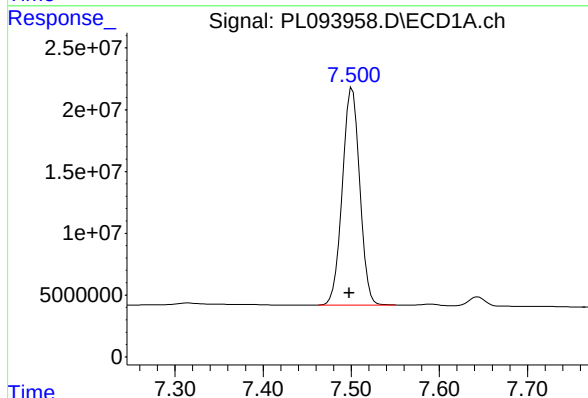
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



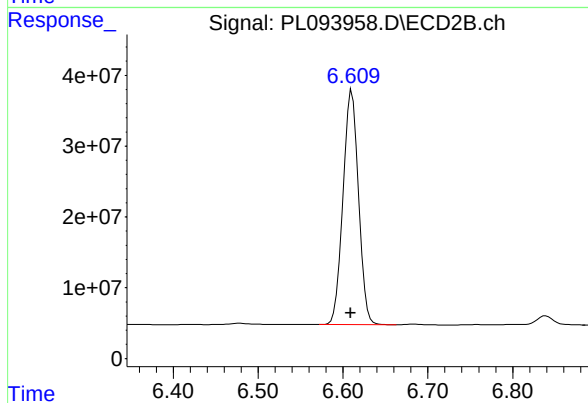
#18 Endrin aldehyde

R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 7418835  
Conc: 2.44 ng/ml



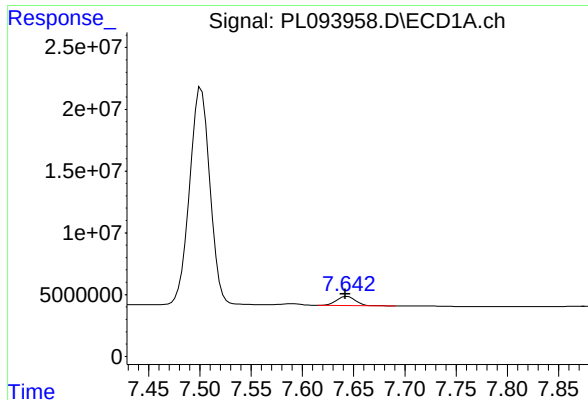
#20 Methoxychlor

R.T.: 7.501 min  
Delta R.T.: 0.003 min  
Response: 241512375  
Conc: 231.47 ng/ml



#20 Methoxychlor

R.T.: 6.611 min  
Delta R.T.: 0.001 min  
Response: 420862172  
Conc: 235.36 ng/ml



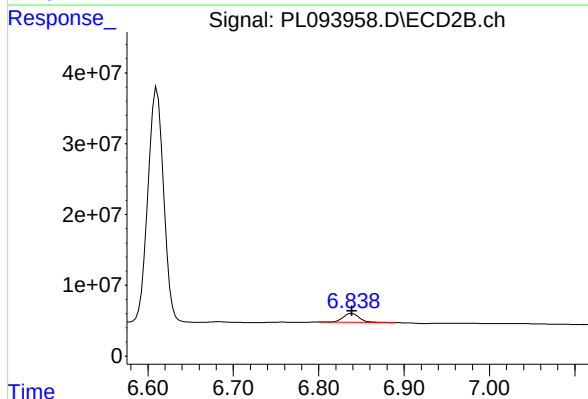
#21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: 0.002 min  
Response: 9593113  
Conc: 3.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

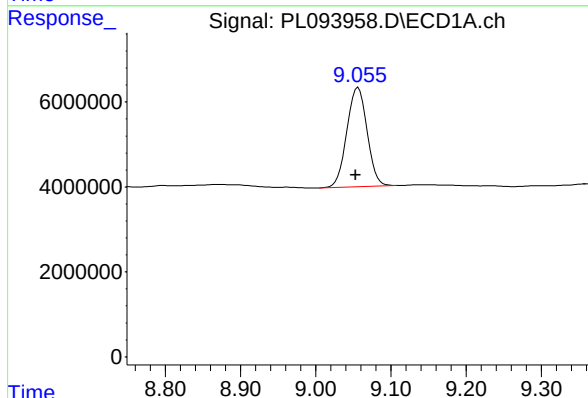
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



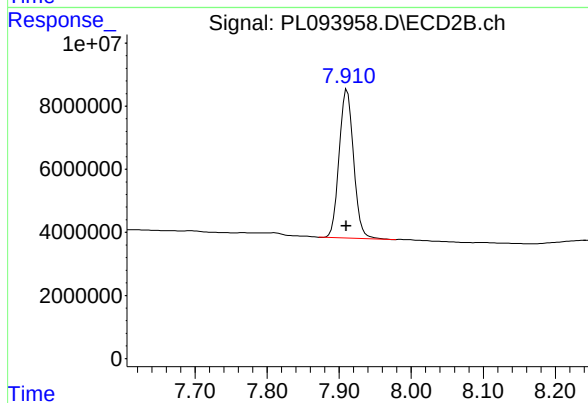
#21 Endrin ketone

R.T.: 6.839 min  
Delta R.T.: 0.000 min  
Response: 16487711  
Conc: 3.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.004 min  
Response: 43746756  
Conc: 20.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.001 min  
Response: 65001026  
Conc: 18.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093727.D  
Acq On : 21 Jan 2025 10:43  
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\PL012125.M  
Title : GC Extractables  
Last Update : Tue Jan 21 14:02:23 2025  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.539 | 5.939 | 100.00%    |
| 5.939 | 6.068 | 100.00%    |
| 6.068 | 6.191 | 100.00%    |
| 6.191 | 6.343 | 100.00%    |
| 6.343 | 7.157 | 100.00%    |
| 7.157 | 7.499 | 100.00%    |
| 7.499 | 7.642 | 100.00%    |
| 7.642 | 9.053 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.774 | 4.977 | 100.00% |
| 4.977 | 5.097 | 100.00% |
| 5.097 | 5.230 | 100.00% |
| 5.230 | 5.361 | 100.00% |
| 5.361 | 6.333 | 100.00% |
| 6.333 | 6.609 | 100.00% |
| 6.609 | 6.838 | 100.00% |
| 6.838 | 7.910 | 100.00% |

PL012125.M Tue Jan 21 14:11:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
 Data File : PL093727.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 10:43  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RESCHK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 14:04:59 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:02:23 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...          | 3.539 | 2.774 | 48739758 | 56764042 | 18.100 | 17.390 |
| 28) SA Decachlor...         | 9.053 | 7.910 | 37826748 | 61983547 | 18.082 | 17.689 |
| Target Compounds            |       |       |          |          |        |        |
| 9) A Endosulfan I           | 6.068 | 5.097 | 24505533 | 31106405 | 9.272  | 8.023  |
| 10) B gamma-Chl...          | 5.939 | 4.977 | 26686746 | 36721665 | 9.574  | 8.666  |
| 12) B 4,4'-DDE              | 6.191 | 5.230 | 45047667 | 71134812 | 18.503 | 17.742 |
| 13) MA Dieldrin             | 6.343 | 5.361 | 50553851 | 73721045 | 18.212 | 17.162 |
| 19) B Endosulfa...          | 7.157 | 6.333 | 42219467 | 62907773 | 18.650 | 17.641 |
| 20) A Methoxychlor          | 7.499 | 6.609 | 83993166 | 151.6E6  | 80.500 | 84.806 |
| 21) B Endrin ke...          | 7.642 | 6.838 | 44318803 | 70010295 | 17.569 | 16.688 |
| -----                       |       |       |          |          |        |        |

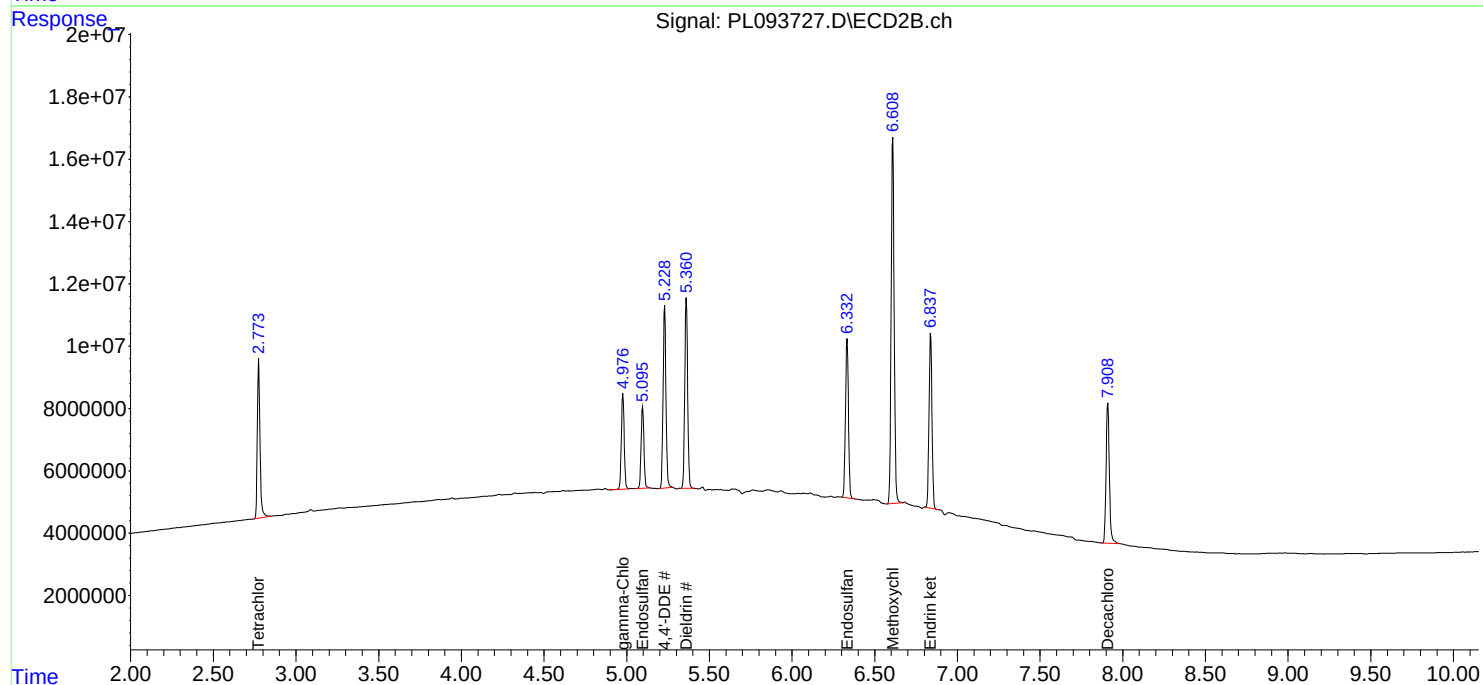
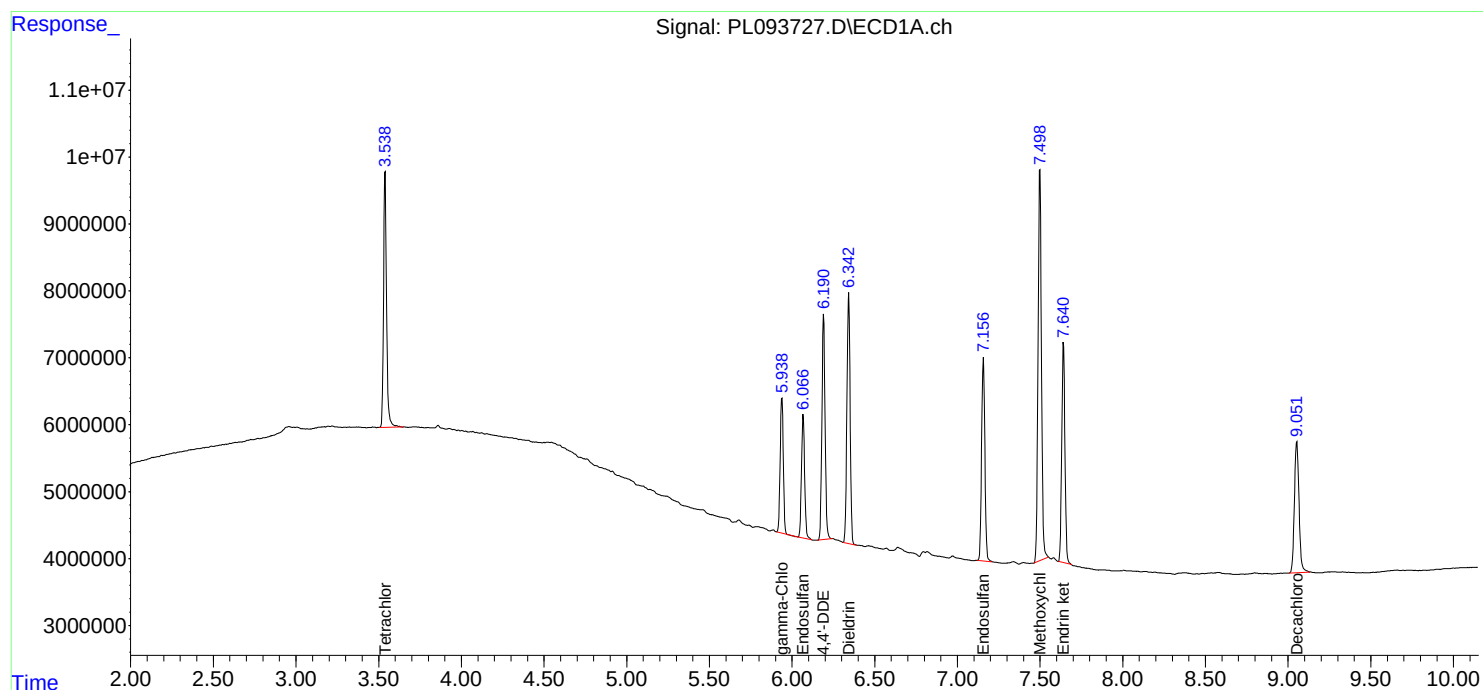
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

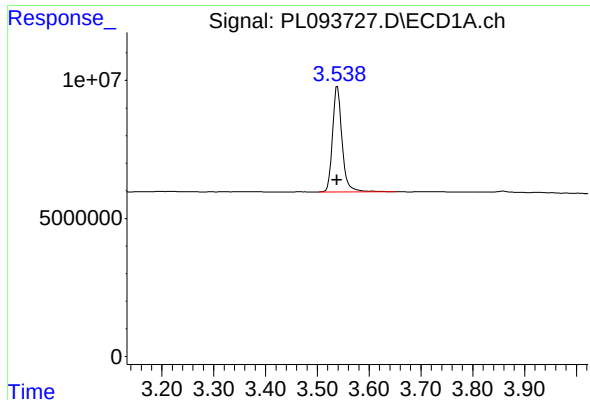
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093727.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 10:43  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 14:04:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:02:23 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

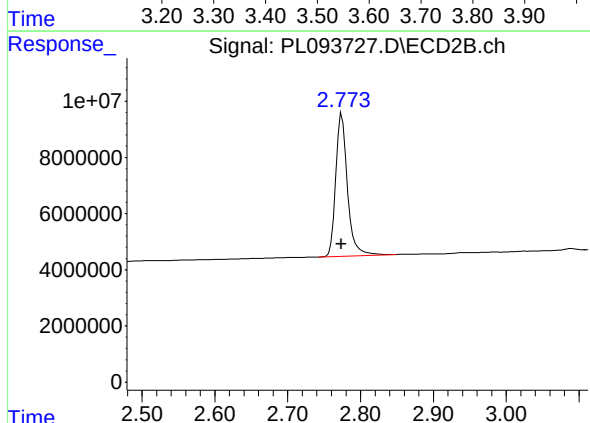




#1 Tetrachloro-m-xylene

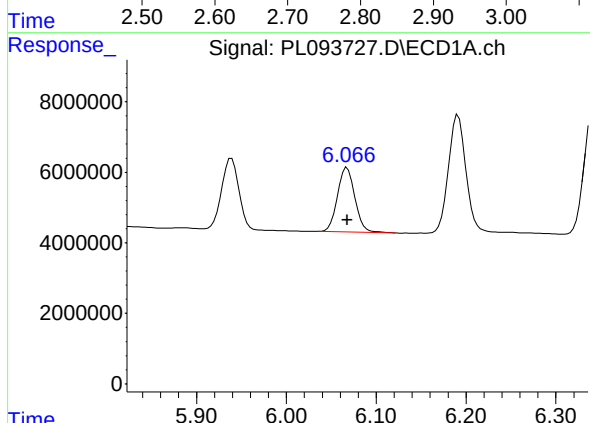
R.T.: 3.539 min  
Delta R.T.: 0.001 min  
Response: 48739758  
Conc: 18.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



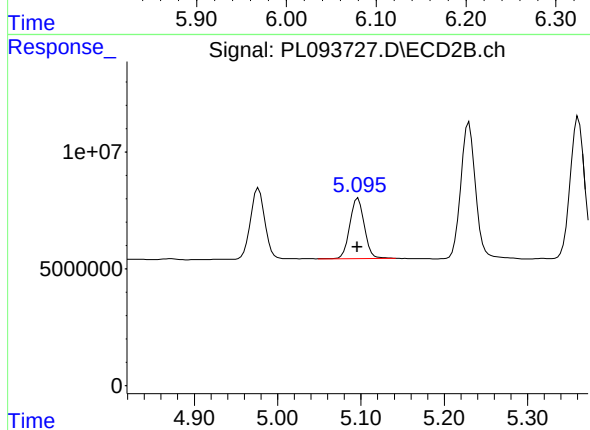
#1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 56764042  
Conc: 17.39 ng/ml



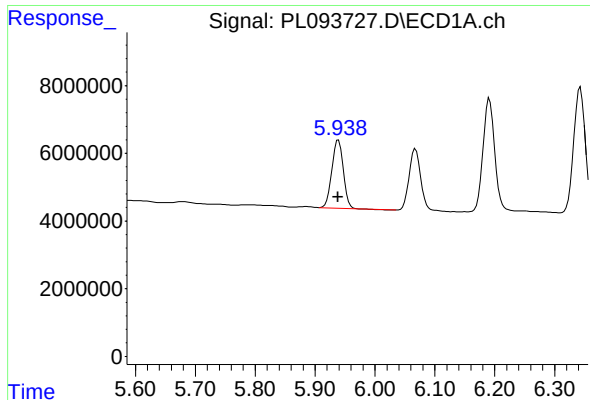
#9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 24505533  
Conc: 9.27 ng/ml



#9 Endosulfan I

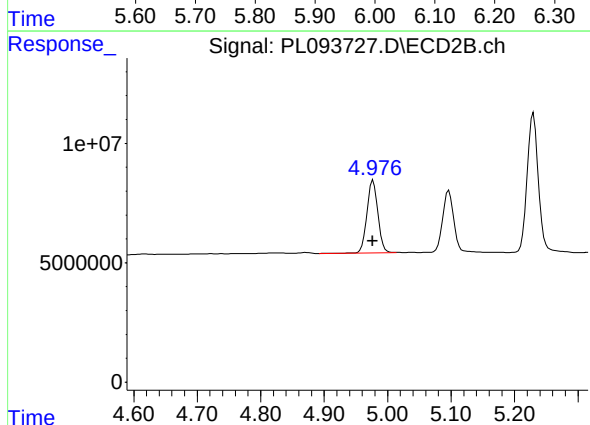
R.T.: 5.097 min  
Delta R.T.: 0.000 min  
Response: 31106405  
Conc: 8.02 ng/ml



#10 gamma-Chlordane

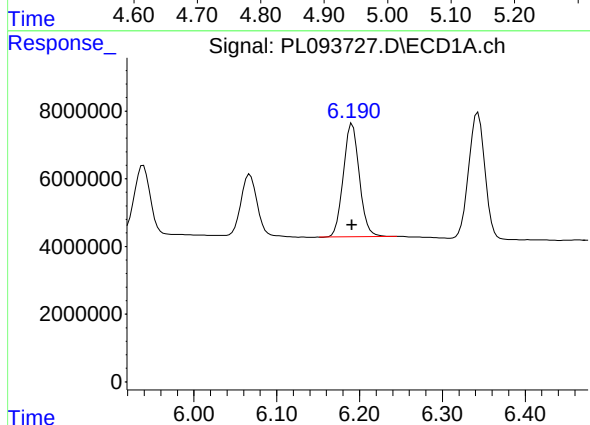
R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 26686746  
Conc: 9.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



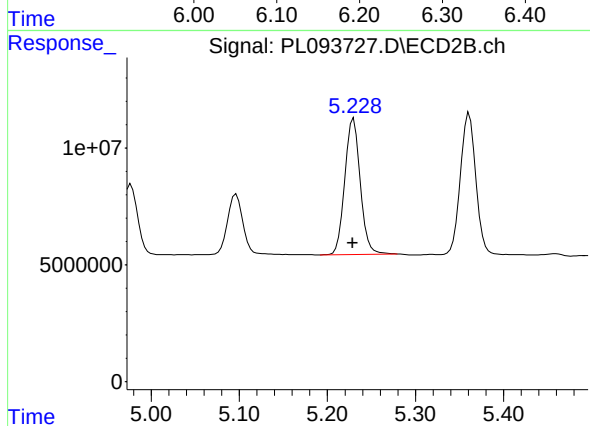
#10 gamma-Chlordane

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 36721665  
Conc: 8.67 ng/ml



#12 4,4'-DDE

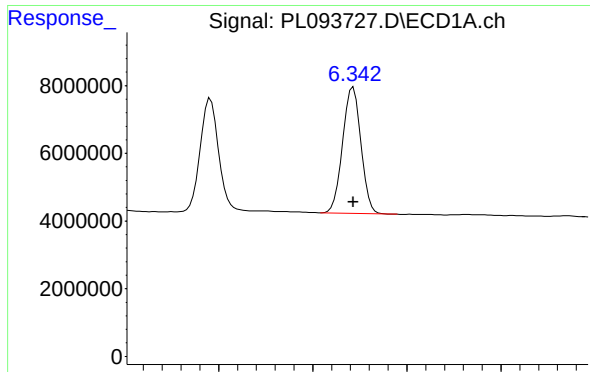
R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 45047667  
Conc: 18.50 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min  
Delta R.T.: 0.001 min  
Response: 71134812  
Conc: 17.74 ng/ml

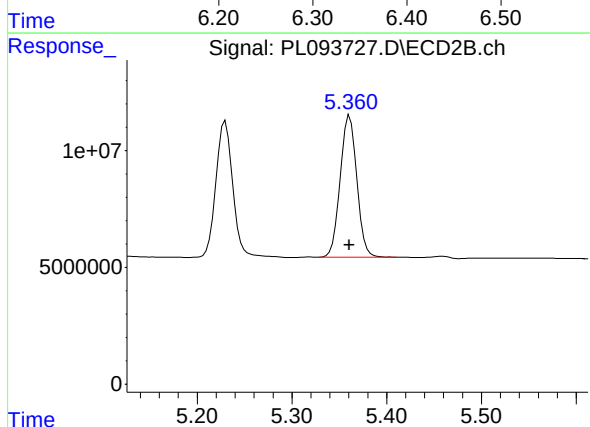




#13 Dieldrin

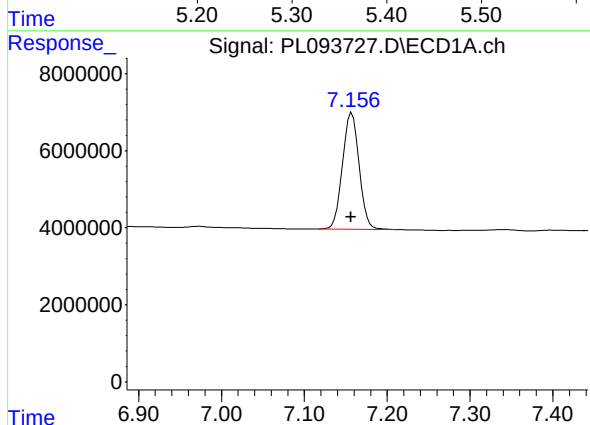
R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 50553851  
Conc: 18.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



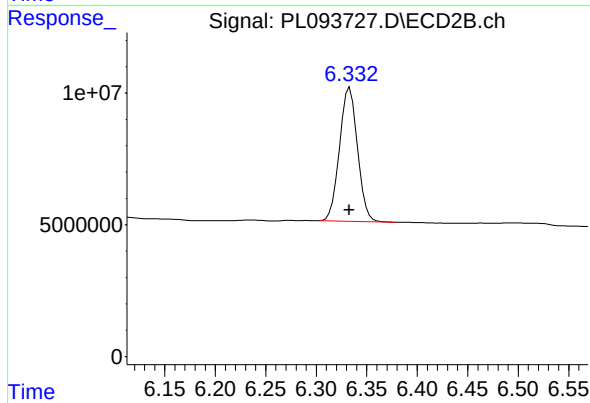
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 73721045  
Conc: 17.16 ng/ml



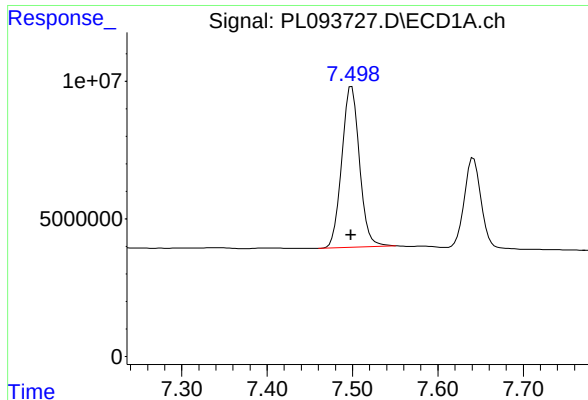
#19 Endosulfan Sulfate

R.T.: 7.157 min  
Delta R.T.: 0.001 min  
Response: 42219467  
Conc: 18.65 ng/ml



#19 Endosulfan Sulfate

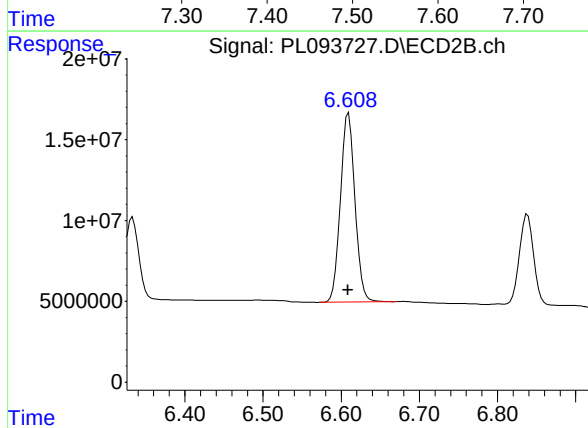
R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 62907773  
Conc: 17.64 ng/ml



#20 Methoxychlor

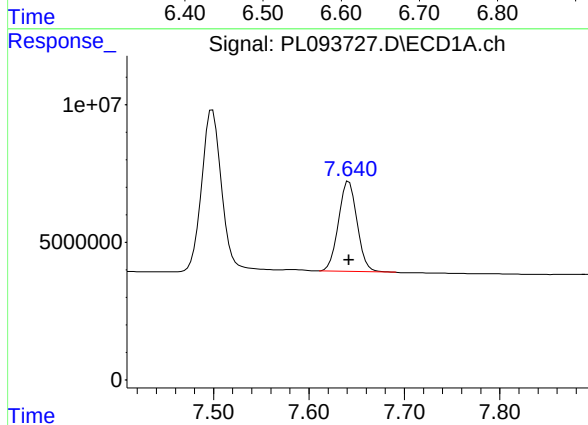
R.T.: 7.499 min  
Delta R.T.: 0.000 min  
Response: 83993166  
Conc: 80.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



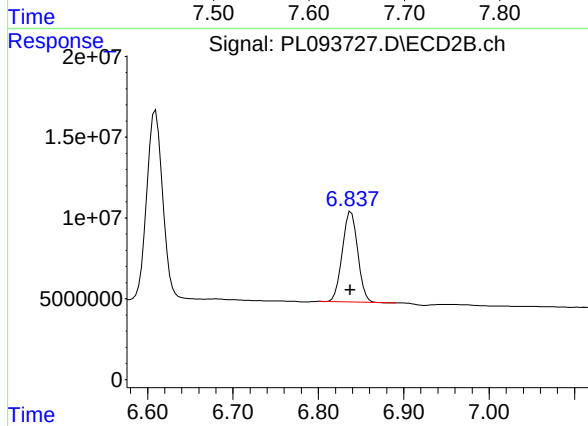
#20 Methoxychlor

R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 151645256  
Conc: 84.81 ng/ml



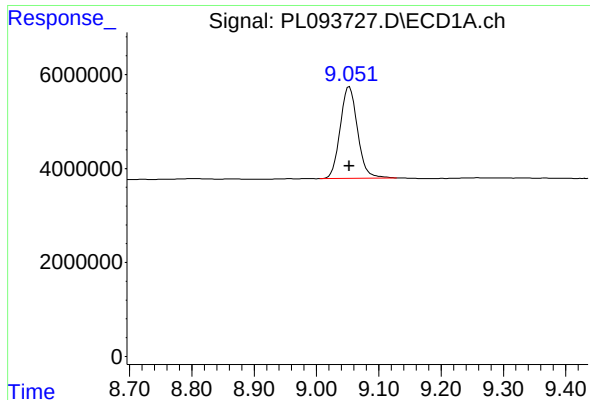
#21 Endrin ketone

R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 44318803  
Conc: 17.57 ng/ml



#21 Endrin ketone

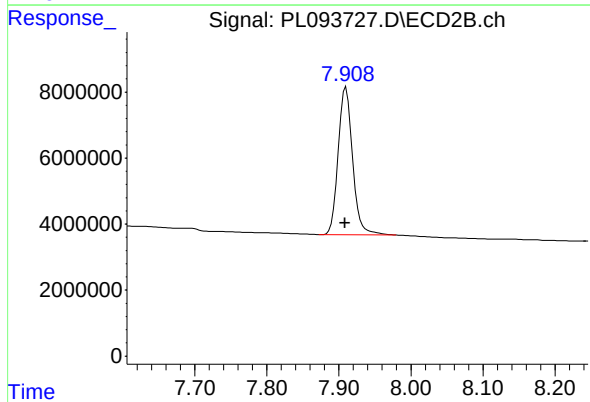
R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 70010295  
Conc: 16.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: 0.000 min  
Response: 37826748  
Conc: 18.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.001 min  
Response: 61983547  
Conc: 17.69 ng/ml

## Analytical Sequence

|                                                    |                                                                              |
|----------------------------------------------------|------------------------------------------------------------------------------|
| <b>Client:</b> RU2 Engineering, LLC                | <b>SDG No.:</b> Q1242                                                        |
| <b>Project:</b> NYCDDC SANTWOBR Brooklyn Bridge BI | <b>Instrument ID:</b> ECD_L                                                  |
| <b>GC Column:</b> ZB-MR1                           | <b>ID:</b> 0.32 (mm) <b>Inst. Calib. Date(s):</b> 01/21/2025      01/21/2025 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 01/21/2025       | 10:16            | PL093725.D | 9.05        | 3.54        |
| PEM               | PEM              | 01/21/2025       | 10:30            | PL093726.D | 9.05        | 3.54        |
| RESCHK            | RESCHK           | 01/21/2025       | 10:43            | PL093727.D | 9.05        | 3.54        |
| PSTDICC100        | PSTDICC100       | 01/21/2025       | 10:57            | PL093728.D | 9.05        | 3.54        |
| PSTDICC075        | PSTDICC075       | 01/21/2025       | 11:10            | PL093729.D | 9.05        | 3.54        |
| PSTDICC050        | PSTDICC050       | 01/21/2025       | 11:24            | PL093730.D | 9.05        | 3.54        |
| PSTDICC025        | PSTDICC025       | 01/21/2025       | 11:38            | PL093731.D | 9.05        | 3.54        |
| PSTDICC005        | PSTDICC005       | 01/21/2025       | 11:51            | PL093732.D | 9.05        | 3.54        |
| PCHLORICC500      | PCHLORICC500     | 01/21/2025       | 12:32            | PL093735.D | 9.05        | 3.54        |
| PTOXICC500        | PTOXICC500       | 01/21/2025       | 13:39            | PL093740.D | 9.05        | 3.54        |
| IBLK              | IBLK             | 01/31/2025       | 10:51            | PL093928.D | 9.05        | 3.54        |
| PEM               | PEM              | 01/31/2025       | 11:04            | PL093929.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 01/31/2025       | 11:17            | PL093930.D | 9.06        | 3.54        |
| PB166413BL        | PB166413BL       | 01/31/2025       | 14:28            | PL093940.D | 9.06        | 3.54        |
| PB166413BS        | PB166413BS       | 01/31/2025       | 14:43            | PL093941.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 01/31/2025       | 14:57            | PL093942.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 01/31/2025       | 15:10            | PL093943.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 01/31/2025       | 19:26            | PL093957.D | 9.06        | 3.54        |
| PEM               | PEM              | 01/31/2025       | 19:39            | PL093958.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 01/31/2025       | 20:18            | PL093959.D | 9.06        | 3.54        |
| 357MS             | Q1239-10MS       | 01/31/2025       | 20:31            | PL093960.D | 9.06        | 3.54        |
| 357MSD            | Q1239-10MSD      | 01/31/2025       | 20:45            | PL093961.D | 9.06        | 3.54        |
| JPP-6.2-013025    | Q1242-03         | 01/31/2025       | 22:04            | PL093967.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 01/31/2025       | 22:43            | PL093970.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 02/01/2025       | 00:57            | PL093971.D | 9.06        | 3.54        |

## Analytical Sequence

|                                             |                                                                     |
|---------------------------------------------|---------------------------------------------------------------------|
| Client: RU2 Engineering, LLC                | SDG No.: Q1242                                                      |
| Project: NYCDDC SANTWOBR Brooklyn Bridge BI | Instrument ID: ECD_L                                                |
| GC Column: ZB-MR2                           | ID: 0.32 (mm)      Inst. Calib. Date(s): 01/21/2025      01/21/2025 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 01/21/2025       | 10:16            | PL093725.D | 7.91        | 2.78        |
| PEM               | PEM              | 01/21/2025       | 10:30            | PL093726.D | 7.91        | 2.78        |
| RESCHK            | RESCHK           | 01/21/2025       | 10:43            | PL093727.D | 7.91        | 2.77        |
| PSTDICC100        | PSTDICC100       | 01/21/2025       | 10:57            | PL093728.D | 7.91        | 2.78        |
| PSTDICC075        | PSTDICC075       | 01/21/2025       | 11:10            | PL093729.D | 7.91        | 2.77        |
| PSTDICC050        | PSTDICC050       | 01/21/2025       | 11:24            | PL093730.D | 7.91        | 2.77        |
| PSTDICC025        | PSTDICC025       | 01/21/2025       | 11:38            | PL093731.D | 7.91        | 2.77        |
| PSTDICC005        | PSTDICC005       | 01/21/2025       | 11:51            | PL093732.D | 7.91        | 2.77        |
| PCHLORICC500      | PCHLORICC500     | 01/21/2025       | 12:32            | PL093735.D | 7.91        | 2.77        |
| PTOXICC500        | PTOXICC500       | 01/21/2025       | 13:39            | PL093740.D | 7.91        | 2.77        |
| IBLK              | IBLK             | 01/31/2025       | 10:51            | PL093928.D | 7.91        | 2.77        |
| PEM               | PEM              | 01/31/2025       | 11:04            | PL093929.D | 7.91        | 2.77        |
| PSTDCCC050        | PSTDCCC050       | 01/31/2025       | 11:17            | PL093930.D | 7.91        | 2.77        |
| PB166413BL        | PB166413BL       | 01/31/2025       | 14:28            | PL093940.D | 7.91        | 2.77        |
| PB166413BS        | PB166413BS       | 01/31/2025       | 14:43            | PL093941.D | 7.91        | 2.77        |
| IBLK              | IBLK             | 01/31/2025       | 14:57            | PL093942.D | 7.91        | 2.77        |
| PSTDCCC050        | PSTDCCC050       | 01/31/2025       | 15:10            | PL093943.D | 7.91        | 2.77        |
| IBLK              | IBLK             | 01/31/2025       | 19:26            | PL093957.D | 7.91        | 2.77        |
| PEM               | PEM              | 01/31/2025       | 19:39            | PL093958.D | 7.91        | 2.77        |
| PSTDCCC050        | PSTDCCC050       | 01/31/2025       | 20:18            | PL093959.D | 7.91        | 2.77        |
| 357MS             | Q1239-10MS       | 01/31/2025       | 20:31            | PL093960.D | 7.91        | 2.77        |
| 357MSD            | Q1239-10MSD      | 01/31/2025       | 20:45            | PL093961.D | 7.91        | 2.77        |
| JPP-6.2-013025    | Q1242-03         | 01/31/2025       | 22:04            | PL093967.D | 7.91        | 2.77        |
| IBLK              | IBLK             | 01/31/2025       | 22:43            | PL093970.D | 7.91        | 2.77        |
| PSTDCCC050        | PSTDCCC050       | 02/01/2025       | 00:57            | PL093971.D | 7.91        | 2.77        |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

357MS

Contract: RUTW01

Lab Code: CHEM

Case No.: Q1242

SAS No.: Q1242

SDG NO.: Q1242

Lab Sample ID: Q1239-10MS

Date(s) Analyzed: 01/31/2025

01/31/2025

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   | 6.79 | 6.74      | 6.84 | 18.7          | 4.2  |
|                     | 2   | 5.93 | 5.88      | 5.98 | 19.5          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 22.0          | 2.8  |
|                     | 2   | 5.79 | 5.74      | 5.84 | 21.4          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 18.9          | 0.5  |
|                     | 2   | 6.04 | 5.99      | 6.09 | 18.8          |      |
| Endrin aldehyde     | 1   | 6.92 | 6.87      | 6.97 | 13.7          | 3.7  |
|                     | 2   | 6.11 | 6.06      | 6.16 | 13.2          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 18.2          | 1.1  |
|                     | 2   | 6.33 | 6.28      | 6.38 | 18.4          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 17.4          | 0.6  |
|                     | 2   | 6.61 | 6.56      | 6.66 | 17.5          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 17.5          | 0    |
|                     | 2   | 6.84 | 6.79      | 6.89 | 17.5          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 19.6          | 2.1  |
|                     | 2   | 3.28 | 3.23      | 3.33 | 19.2          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 19.2          | 1.6  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 18.9          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 19.1          | 3.7  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 18.4          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 19.3          | 0    |
|                     | 2   | 4.22 | 4.17      | 4.27 | 19.3          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 19.8          | 0.5  |
|                     | 2   | 3.91 | 3.86      | 3.96 | 19.9          |      |
| delta-BHC           | 1   | 4.77 | 4.72      | 4.82 | 19.1          | 1.1  |
|                     | 2   | 4.14 | 4.09      | 4.19 | 18.9          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 18.6          | 7.3  |
|                     | 2   | 4.73 | 4.68      | 4.78 | 20.0          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

357MS

Contract: RUTW01

Lab Code: CHEM

Case No.: Q1242

SAS No.: Q1242

SDG NO.: Q1242

Lab Sample ID: Q1239-10MS

Date(s) Analyzed: 01/31/2025

01/31/2025

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   | 6.07 | 6.02      | 6.12 | 19.0          | 0.5  |
|                 | 2   | 5.10 | 5.05      | 5.15 | 18.9          |      |
| gamma-Chlordane | 1   | 5.94 | 5.89      | 5.99 | 20.2          | 3.9  |
|                 | 2   | 4.98 | 4.93      | 5.03 | 21.0          |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 19.8          | 3    |
|                 | 2   | 5.04 | 4.99      | 5.09 | 20.4          |      |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 19.9          | 7.3  |
|                 | 2   | 5.23 | 5.18      | 5.28 | 21.4          |      |
| Dieldrin        | 1   | 6.35 | 6.30      | 6.40 | 19.2          | 6.5  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 20.5          |      |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 18.6          | 8.2  |
|                 | 2   | 5.64 | 5.59      | 5.69 | 20.2          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

357MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242

SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: Q1239-10MSD

Date(s) Analyzed: 01/31/2025 01/31/2025

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   | 6.79 | 6.74      | 6.84 | 19.2          | 4.6  |
|                     | 2   | 5.93 | 5.88      | 5.98 | 20.1          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 22.2          | 2.7  |
|                     | 2   | 5.78 | 5.73      | 5.83 | 21.6          |      |
| alpha-Chlordane     | 1   | 6.02 | 5.97      | 6.07 | 20.0          | 3    |
|                     | 2   | 5.04 | 4.99      | 5.09 | 20.6          |      |
| 4,4'-DDE            | 1   | 6.19 | 6.14      | 6.24 | 20.0          | 6.8  |
|                     | 2   | 5.23 | 5.18      | 5.28 | 21.4          |      |
| Dieldrin            | 1   | 6.34 | 6.29      | 6.39 | 19.2          | 7    |
|                     | 2   | 5.36 | 5.31      | 5.41 | 20.6          |      |
| Endrin              | 1   | 6.57 | 6.52      | 6.62 | 19.0          | 9.5  |
|                     | 2   | 5.64 | 5.59      | 5.69 | 20.9          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 20.5          | 0.5  |
|                     | 2   | 6.03 | 5.98      | 6.08 | 20.4          |      |
| Endrin aldehyde     | 1   | 6.92 | 6.87      | 6.97 | 18.7          | 0    |
|                     | 2   | 6.11 | 6.06      | 6.16 | 18.7          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 18.9          | 4.1  |
|                     | 2   | 6.33 | 6.28      | 6.38 | 19.7          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 19.8          | 1    |
|                     | 2   | 6.61 | 6.56      | 6.66 | 19.6          |      |
| Endrin ketone       | 1   | 7.64 | 7.59      | 7.69 | 18.8          | 0    |
|                     | 2   | 6.84 | 6.79      | 6.89 | 18.8          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 19.8          | 2    |
|                     | 2   | 3.28 | 3.23      | 3.33 | 19.4          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 19.4          | 1    |
|                     | 2   | 3.61 | 3.56      | 3.66 | 19.2          |      |
| Heptachlor          | 1   | 4.91 | 4.86      | 4.96 | 20.3          | 3.5  |
|                     | 2   | 3.94 | 3.89      | 3.99 | 19.6          |      |



### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

357MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242

SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: Q1239-10MSD

Date(s) Analyzed: 01/31/2025 01/31/2025

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   |               |      |
| Aldrin             | 1   | 5.26 | 5.21      | 5.31 | 19.5          | 1    |
|                    | 2   | 4.22 | 4.17      | 4.27 | 19.3          |      |
| beta-BHC           | 1   | 4.53 | 4.48      | 4.58 | 20.1          | 0.5  |
|                    | 2   | 3.91 | 3.86      | 3.96 | 20.0          |      |
| delta-BHC          | 1   | 4.77 | 4.72      | 4.82 | 20.0          | 3    |
|                    | 2   | 4.13 | 4.08      | 4.18 | 19.4          |      |
| Heptachlor epoxide | 1   | 5.68 | 5.63      | 5.73 | 18.9          | 5.7  |
|                    | 2   | 4.73 | 4.68      | 4.78 | 20.0          |      |
| Endosulfan I       | 1   | 6.07 | 6.02      | 6.12 | 19.5          | 1    |
|                    | 2   | 5.10 | 5.05      | 5.15 | 19.3          |      |
| gamma-Chlordane    | 1   | 5.94 | 5.89      | 5.99 | 20.1          | 3.9  |
|                    | 2   | 4.98 | 4.93      | 5.03 | 20.9          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-6.2-013025

Contract: RUTW01

Lab Code: CHEM

Case No.: Q1242

SAS No.: Q1242

SDG NO.: Q1242

Lab Sample ID: Q1242-03

Date(s) Analyzed: 01/31/2025

01/31/2025

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   |               |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 0.56          | 72.6 |
|                 | 2   | 5.04 | 4.99      | 5.09 | 0.26          |      |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 0.25          | 15.9 |
|                 | 2   | 5.64 | 5.59      | 5.69 | 0.21          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166413BS

Contract: RUTW01

Lab Code: CHEM

Case No.: Q1242

SAS No.: Q1242

SDG NO.: Q1242

Lab Sample ID: PB166413BS

Date(s) Analyzed: 01/31/2025

01/31/2025

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   | 6.71 | 6.66      | 6.76 | 17.0          | 0.6  |
|                     | 2   | 5.79 | 5.74      | 5.84 | 17.1          |      |
| 4,4'-DDT            | 1   | 7.03 | 6.98      | 7.08 | 17.5          | 0    |
|                     | 2   | 6.04 | 5.99      | 6.09 | 17.5          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 15.0          | 3.4  |
|                     | 2   | 4.23 | 4.18      | 4.28 | 14.5          |      |
| 4,4'-DDE            | 1   | 6.19 | 6.14      | 6.24 | 16.5          | 0.6  |
|                     | 2   | 5.23 | 5.18      | 5.28 | 16.4          |      |
| Endosulfan II       | 1   | 6.80 | 6.75      | 6.85 | 15.5          | 4.4  |
|                     | 2   | 5.93 | 5.88      | 5.98 | 16.2          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 15.0          | 2    |
|                     | 2   | 6.11 | 6.06      | 6.16 | 15.3          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 15.1          | 7    |
|                     | 2   | 6.33 | 6.28      | 6.38 | 16.2          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 16.6          | 3.6  |
|                     | 2   | 6.61 | 6.56      | 6.66 | 17.2          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 15.2          | 3.2  |
|                     | 2   | 6.84 | 6.79      | 6.89 | 15.7          |      |
| alpha-BHC           | 1   | 4.00 | 3.95      | 4.05 | 14.9          | 2    |
|                     | 2   | 3.28 | 3.23      | 3.33 | 14.6          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 14.8          | 3.4  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 14.3          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 16.0          | 4.5  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 15.3          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 15.0          | 0.7  |
|                     | 2   | 3.91 | 3.86      | 3.96 | 15.1          |      |
| delta-BHC           | 1   | 4.78 | 4.73      | 4.83 | 15.1          | 4.1  |
|                     | 2   | 4.14 | 4.09      | 4.19 | 14.5          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166413BS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242

SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: PB166413BS

Date(s) Analyzed: 01/31/2025 01/31/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| Heptachlor epoxide | 1   | 5.69 | 5.64      | 5.74 | 14.8          | 3.3  |
|                    | 2   | 4.73 | 4.68      | 4.78 | 15.3          |      |
| Endosulfan I       | 1   | 6.07 | 6.02      | 6.12 | 15.4          | 2    |
|                    | 2   | 5.10 | 5.05      | 5.15 | 15.1          |      |
| gamma-Chlordane    | 1   | 5.94 | 5.89      | 5.99 | 15.4          | 1.9  |
|                    | 2   | 4.98 | 4.93      | 5.03 | 15.7          |      |
| alpha-Chlordane    | 1   | 6.02 | 5.97      | 6.07 | 15.6          | 0.6  |
|                    | 2   | 5.04 | 4.99      | 5.09 | 15.7          |      |
| Dieldrin           | 1   | 6.35 | 6.30      | 6.40 | 15.4          | 0.6  |
|                    | 2   | 5.36 | 5.31      | 5.41 | 15.5          |      |
| Endrin             | 1   | 6.58 | 6.53      | 6.63 | 15.7          | 6.8  |
|                    | 2   | 5.64 | 5.59      | 5.69 | 16.8          |      |



# QC SAMPLE DATA

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |
| 18 |
| 19 |

## Report of Analysis

|                    |                                       |                    |                    |
|--------------------|---------------------------------------|--------------------|--------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    |                    |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     |                    |
| Client Sample ID:  | PB166413BL                            | SDG No.:           | Q1242              |
| Lab Sample ID:     | PB166413BL                            | Matrix:            | SOIL               |
| Analytical Method: | SW8081                                | % 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 |
| PL093940.D        | 1         | 01/31/25 08:15 | 01/31/25 14:28 | PB166413      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 1.70  | U         | 0.18     | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 1.70  | U         | 0.49     | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 1.70  | U         | 0.47     | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 1.70  | U         | 0.19     | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 1.70  | U         | 0.17     | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 1.70  | U         | 0.14     | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 1.70  | U         | 0.23     | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 1.70  | U         | 0.17     | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 1.70  | U         | 0.15     | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 1.70  | U         | 0.13     | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 1.70  | U         | 0.16     | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 1.70  | U         | 0.30     | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 1.70  | U         | 0.19     | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 1.70  | U         | 0.13     | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 1.70  | U         | 0.17     | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 1.70  | U         | 0.38     | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 1.70  | U         | 0.22     | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 1.70  | U         | 0.39     | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 1.70  | U         | 0.17     | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 1.70  | U         | 0.19     | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 33.0  | U         | 5.20     | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 24.6  |           | 10 - 148 | 123%       | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 23.8  |           | 10 - 159 | 119%       | SPK: 20           |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    |               |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     |               |
| Client Sample ID:  | PB166413BL                            | SDG No.:           | Q1242         |
| Lab Sample ID:     | PB166413BL                            | Matrix:            | SOIL          |
| Analytical Method: | SW8081                                | % Solid:           | 100           |
| Sample Wt/Vol:     | 30.02                                 | Units:             | g             |
| Soil Aliquot Vol:  |                                       |                    | uL            |
| Extraction Type:   |                                       | Decanted:          |               |
| GPC Factor :       | 1.0                                   | Final Vol:         | 10000         |
| Prep Method :      | SW3541B                               | Test:              | Pesticide-TCL |
|                    |                                       | PH :               |               |
|                    |                                       | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093940.D        | 1         | 01/31/25 08:15 | 01/31/25 14:28 | PB166413      |

| 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\PL013125\  
Data File : PL093940.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 14:28  
Operator : AR\AJ  
Sample : PB166413BL  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:26:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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...          | 3.537 | 2.774 | 64156821 | 72110298 | 23.826 | 22.092 |
| 28) SA Decachlor...         | 9.056 | 7.910 | 51373198 | 84523384 | 24.558 | 24.122 |

Target Compounds

-----

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

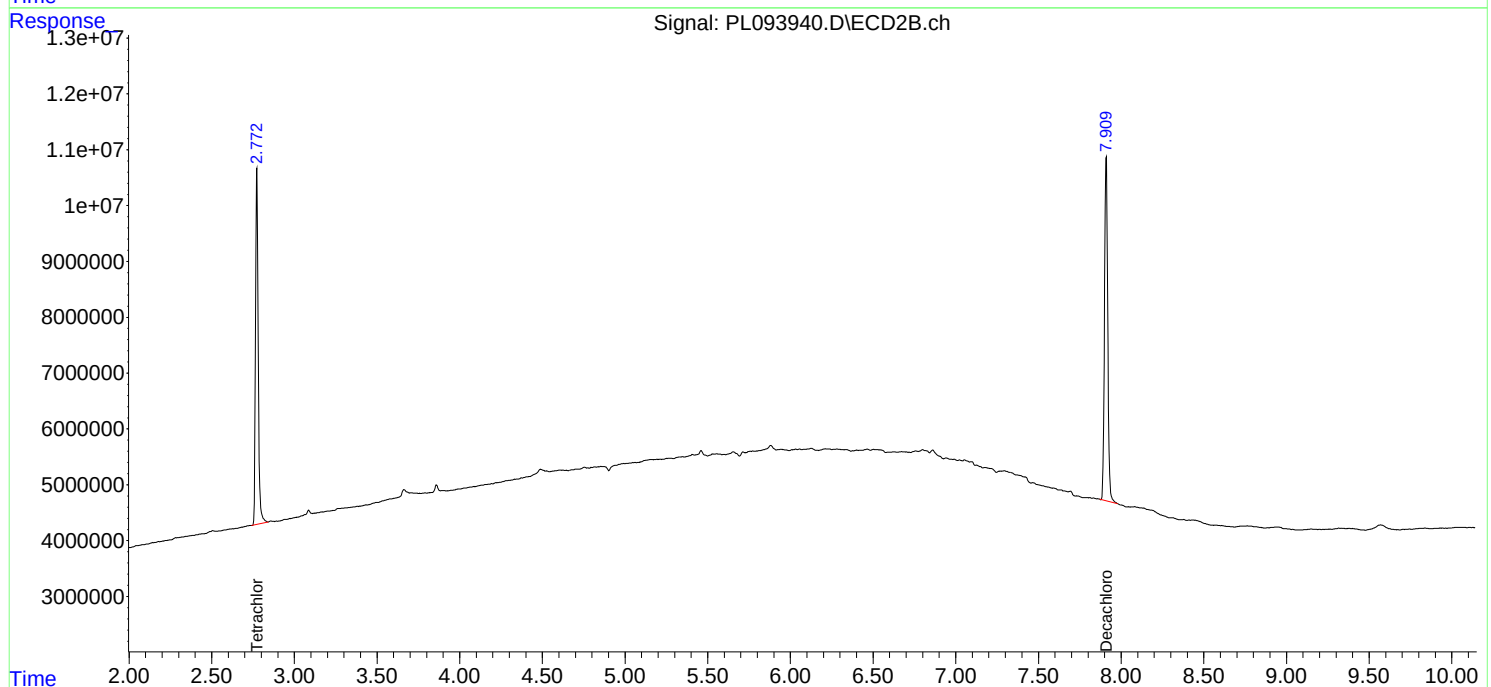
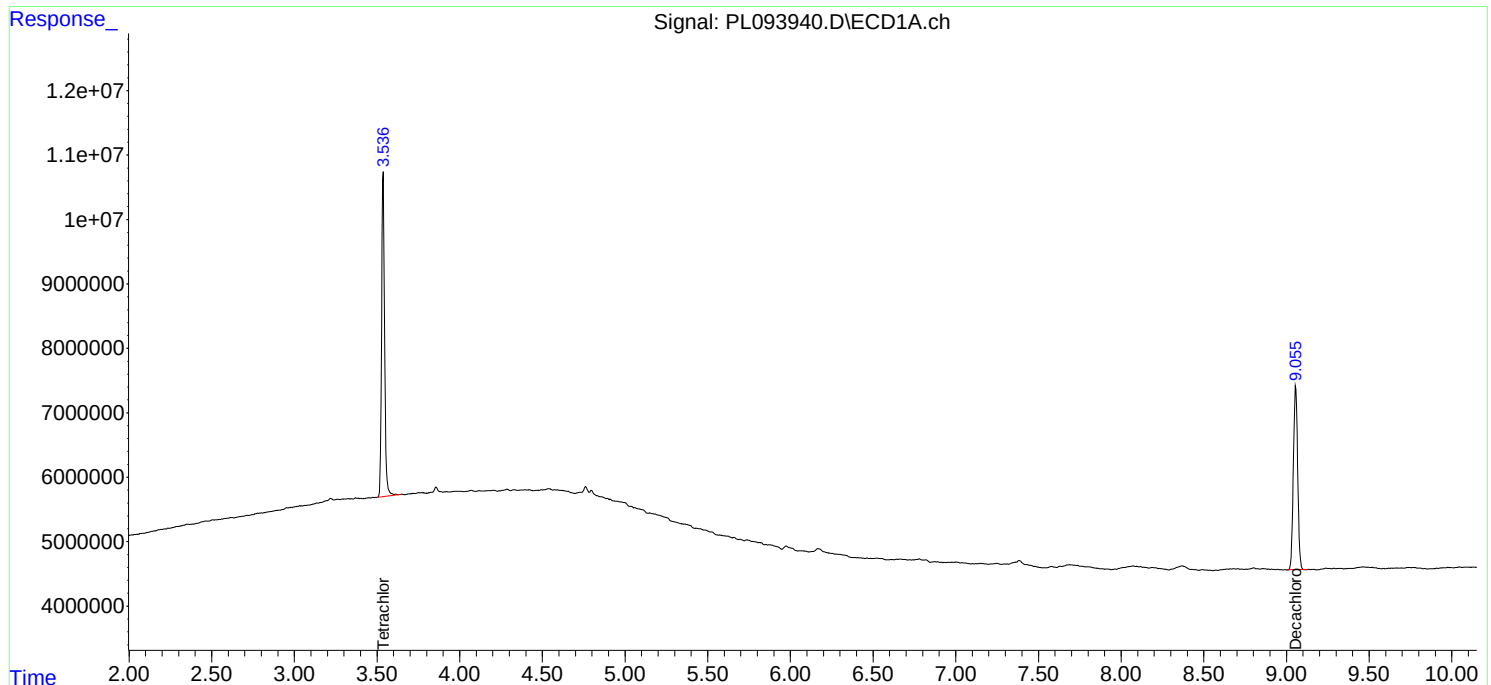


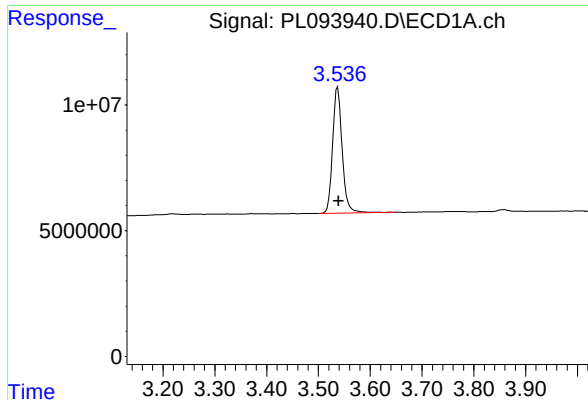
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093940.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 14:28  
Operator : AR\AJ  
Sample : PB166413BL  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:26:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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

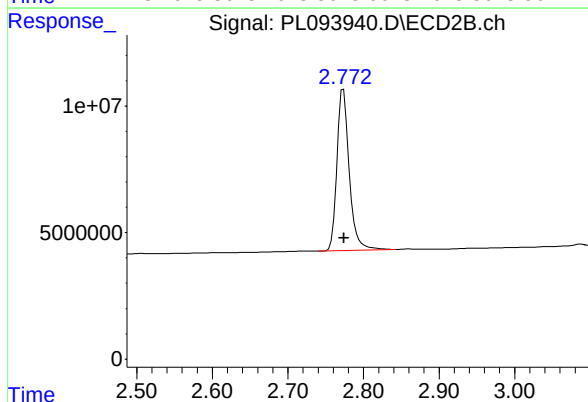




## #1 Tetrachloro-m-xylene

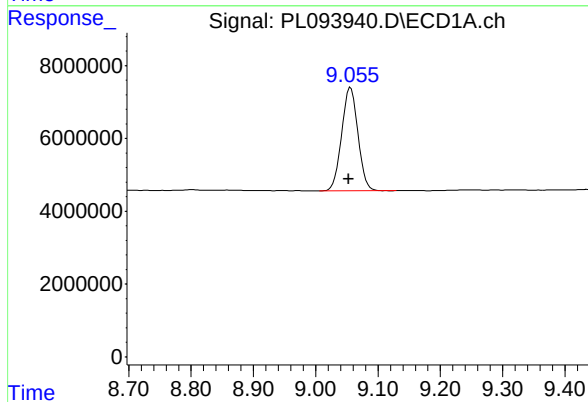
R.T.: 3.537 min  
Delta R.T.: -0.002 min  
Response: 64156821  
Conc: 23.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BL



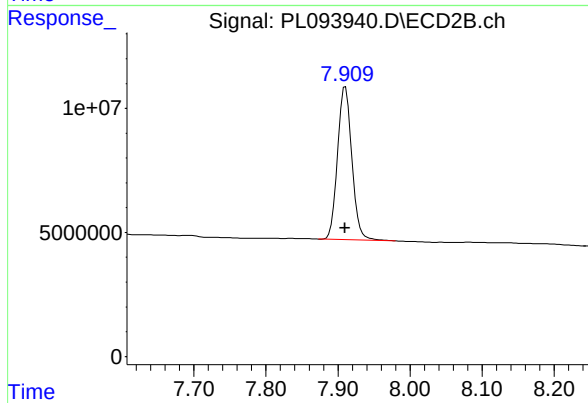
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 72110298  
Conc: 22.09 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.003 min  
Response: 51373198  
Conc: 24.56 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.000 min  
Response: 84523384  
Conc: 24.12 ng/ml

## Report of Analysis

|                    |                                       |                    |                  |
|--------------------|---------------------------------------|--------------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/21/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/21/25         |
| Client Sample ID:  | PIBLK-PL093725.D                      | SDG No.:           | Q1242            |
| Lab Sample ID:     | I.BLK-PL093725.D                      | Matrix:            | WATER            |
| Analytical Method: | SW8081                                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL                | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-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 |
| PL093725.D        | 1         |           | 01/21/25      | PL012125      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.050 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.050 | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.050 | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.050 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.050 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.050 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.050 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.050 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.050 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.050 | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.050 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 1.00  | U         | 0.15     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.1  |           | 43 - 140 | 111%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.8  |           | 77 - 126 | 104%       | SPK: 20 |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/21/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/21/25      |
| Client Sample ID:  | PIBLK-PL093725.D                      | SDG No.:           | Q1242         |
| Lab Sample ID:     | I.BLK-PL093725.D                      | Matrix:            | WATER         |
| Analytical Method: | SW8081                                | % 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 |
| PL093725.D        | 1         |           | 01/21/25      | PL012125      |

| 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\PL012125\  
 Data File : PL093725.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 10:16  
 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: Jan 21 14:04:16 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:02:23 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...          | 3.539 | 2.775 | 55919553 | 66932258 | 20.767 | 20.505 |
| 28) SA Decachlor...         | 9.052 | 7.909 | 46293108 | 76642664 | 22.130 | 21.872 |

Target Compounds

-----

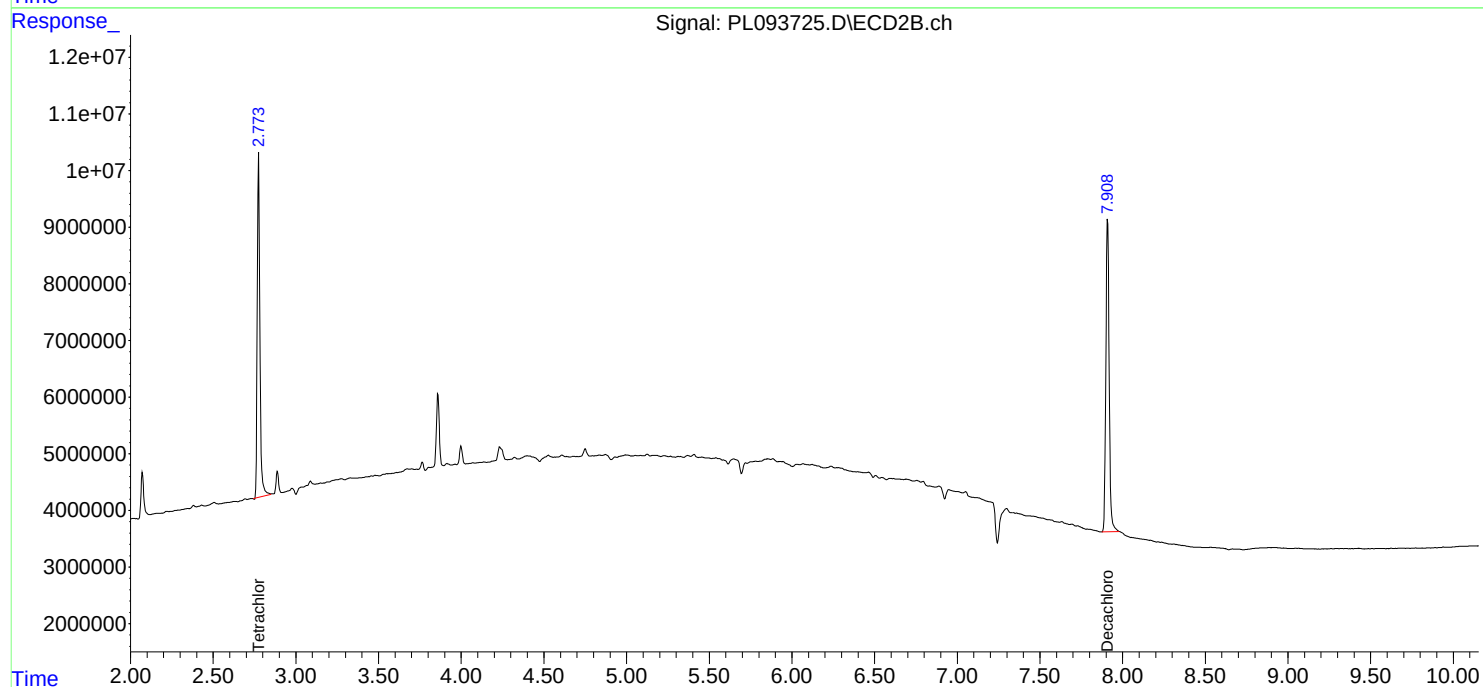
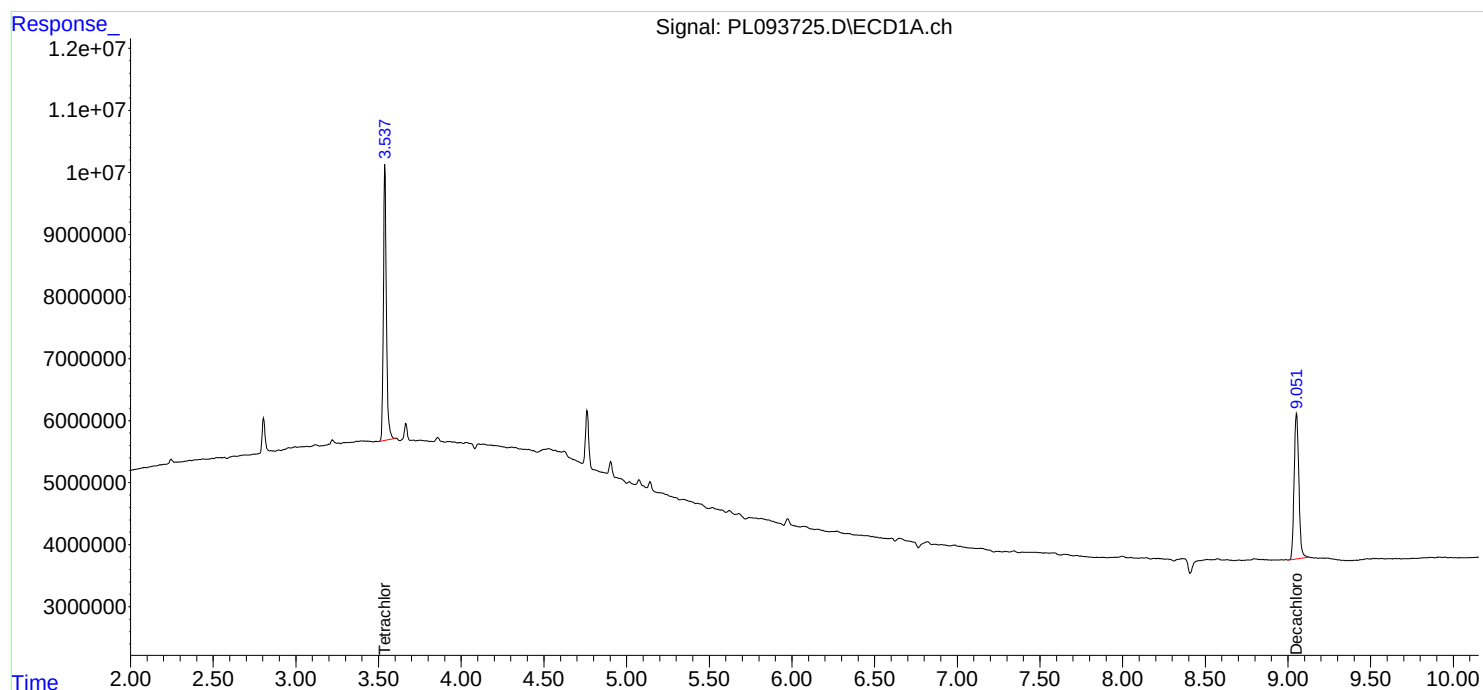
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

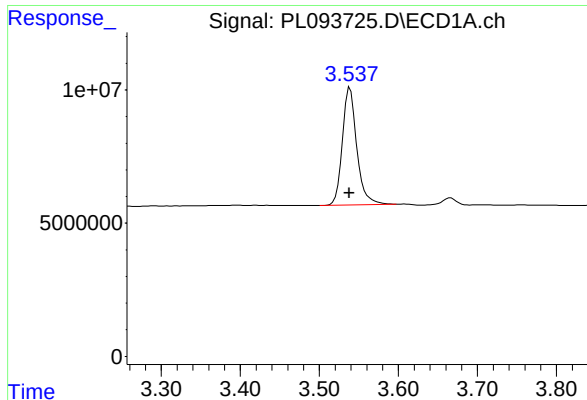
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012125\  
Data File : PL093725.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 10:16  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 14:04:16 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:02:23 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

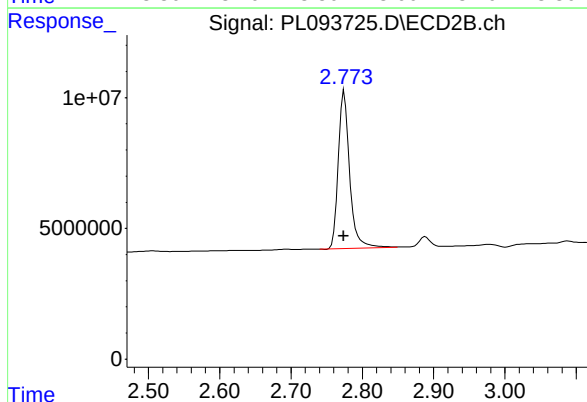




## #1 Tetrachloro-m-xylene

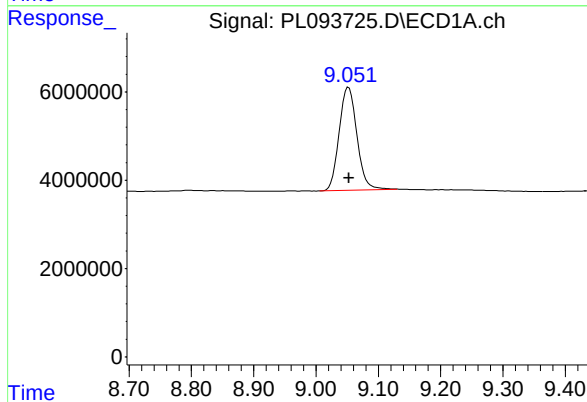
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 55919553  
Conc: 20.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



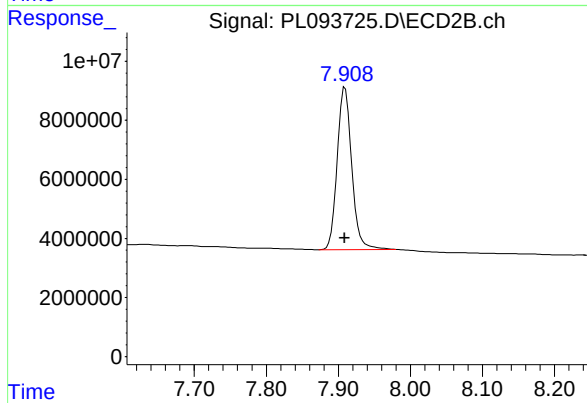
## #1 Tetrachloro-m-xylene

R.T.: 2.775 min  
Delta R.T.: 0.000 min  
Response: 66932258  
Conc: 20.51 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.052 min  
Delta R.T.: 0.000 min  
Response: 46293108  
Conc: 22.13 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 76642664  
Conc: 21.87 ng/ml

## Report of Analysis

|                    |                                       |                    |                  |
|--------------------|---------------------------------------|--------------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25         |
| Client Sample ID:  | PIBLK-PL093928.D                      | SDG No.:           | Q1242            |
| Lab Sample ID:     | I.BLK-PL093928.D                      | Matrix:            | WATER            |
| Analytical Method: | SW8081                                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL                | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-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 |
| PL093928.D        | 1         |           | 01/31/25      | pl013125      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.050 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.050 | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.050 | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.050 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.050 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.050 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.050 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.050 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.050 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.050 | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.050 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 1.00  | U         | 0.15     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.6  |           | 43 - 140 | 103%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.1  |           | 77 - 126 | 106%       | SPK: 20 |



## Report of Analysis

|                    |                                       |                    |                  |
|--------------------|---------------------------------------|--------------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25         |
| Client Sample ID:  | PIBLK-PL093928.D                      | SDG No.:           | Q1242            |
| Lab Sample ID:     | I.BLK-PL093928.D                      | Matrix:            | WATER            |
| Analytical Method: | SW8081                                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL                | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-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 |
| PL093928.D        | 1         |           | 01/31/25      | pl013125      |

| 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\PL013125\  
 Data File : PL093928.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 10:51  
 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: Feb 01 00:23:00 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.537 | 2.773 | 56869031 | 64496193 | 21.119 | 19.759 |
| 28) SA Decachlor...         | 9.053 | 7.909 | 43185846 | 71542365 | 20.644 | 20.417 |

Target Compounds

-----

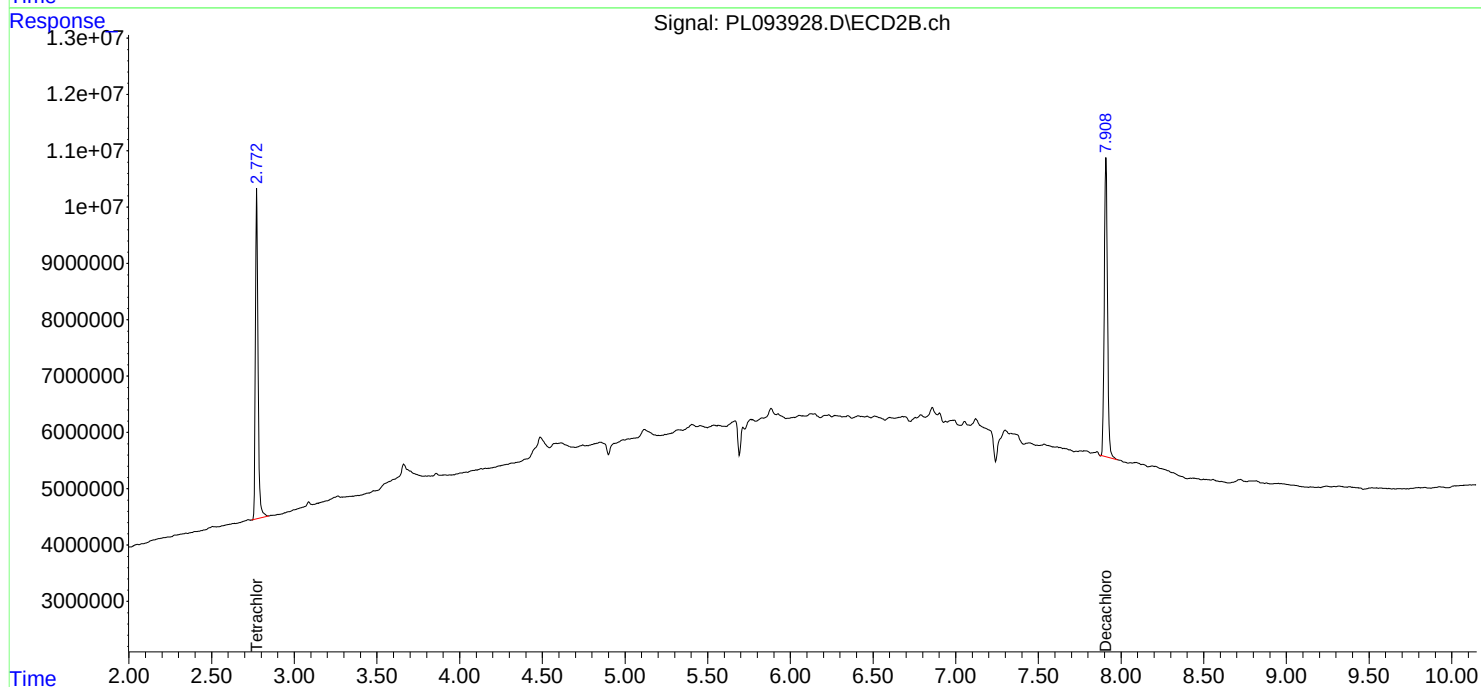
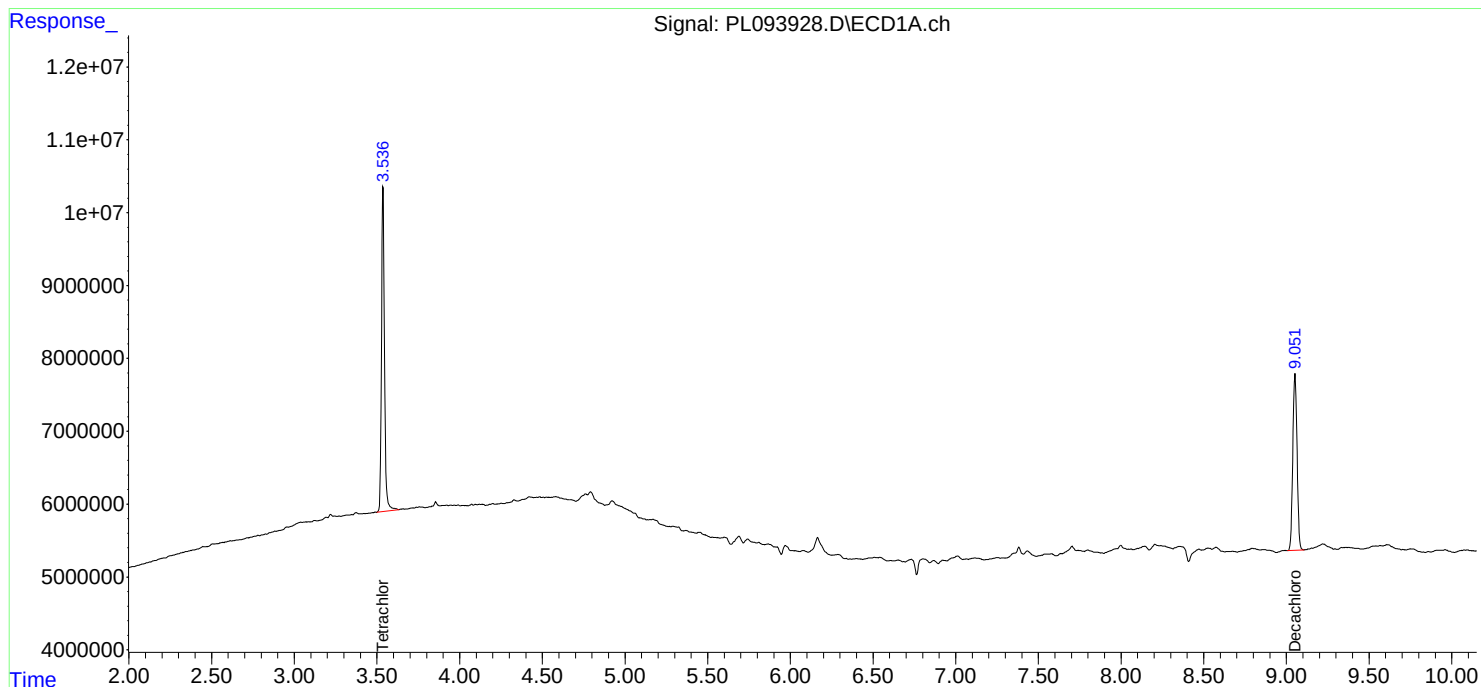
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

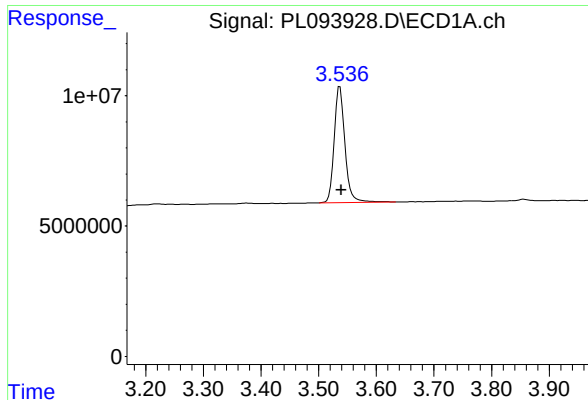
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093928.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 10:51  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:23:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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

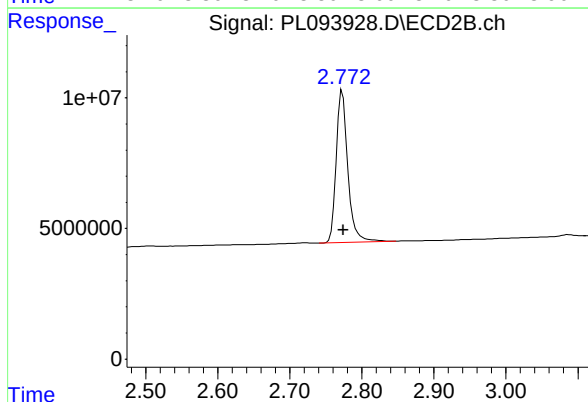




## #1 Tetrachloro-m-xylene

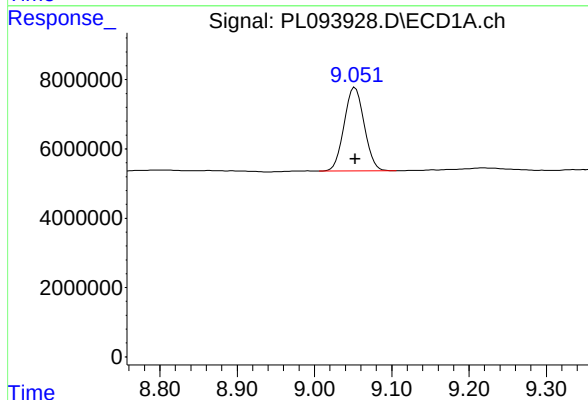
R.T.: 3.537 min  
Delta R.T.: -0.002 min  
Response: 56869031  
Conc: 21.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



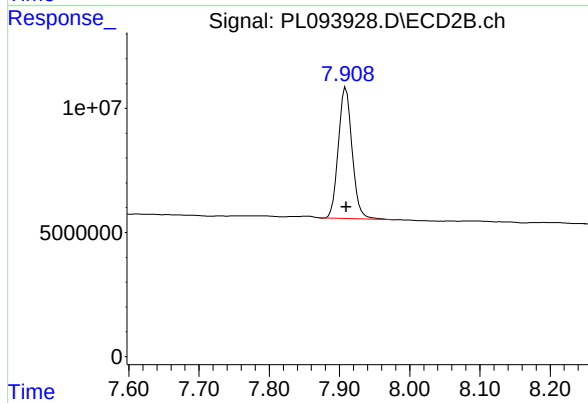
## #1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: -0.001 min  
Response: 64496193  
Conc: 19.76 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: 0.000 min  
Response: 43185846  
Conc: 20.64 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 71542365  
Conc: 20.42 ng/ml

## Report of Analysis

|                    |                                       |                    |                  |
|--------------------|---------------------------------------|--------------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25         |
| Client Sample ID:  | PIBLK-PL093942.D                      | SDG No.:           | Q1242            |
| Lab Sample ID:     | I.BLK-PL093942.D                      | Matrix:            | WATER            |
| Analytical Method: | SW8081                                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL                | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-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 |
| PL093942.D        | 1         |           | 01/31/25      | pl013125      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.050 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.050 | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.050 | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.050 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.050 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.050 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.050 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.050 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.050 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.050 | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.050 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 1.00  | U         | 0.15     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.6  |           | 43 - 140 | 113%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.7  |           | 77 - 126 | 109%       | SPK: 20 |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25      |
| Client Sample ID:  | PIBLK-PL093942.D                      | SDG No.:           | Q1242         |
| Lab Sample ID:     | I.BLK-PL093942.D                      | Matrix:            | WATER         |
| Analytical Method: | SW8081                                | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                                  | Units:             | mL            |
| Soil Aliquot Vol:  |                                       |                    | uL            |
| Extraction Type:   |                                       | Decanted:          |               |
| GPC Factor :       | 1.0                                   | Final Vol:         | 10000         |
| Prep Method :      | 3510C                                 | Test:              | Pesticide-TCL |
|                    |                                       | PH :               |               |
|                    |                                       | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093942.D        | 1         |           | 01/31/25      | pl013125      |

| 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\PL013125\  
 Data File : PL093942.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 14:57  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:27:12 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.537 | 2.773 | 58455331 | 65748686 | 21.708 | 20.143 |
| 28) SA Decachlor...         | 9.056 | 7.910 | 47390121 | 78106190 | 22.654 | 22.290 |

Target Compounds

-----

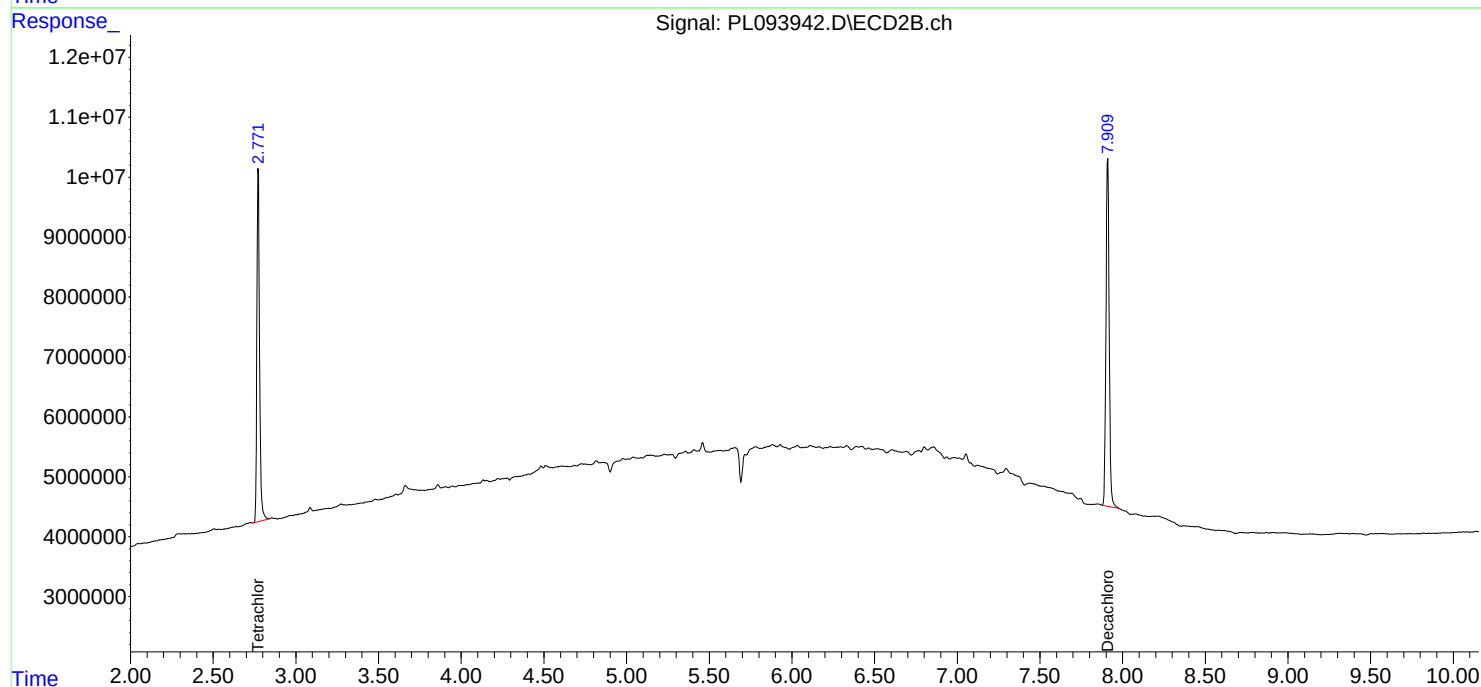
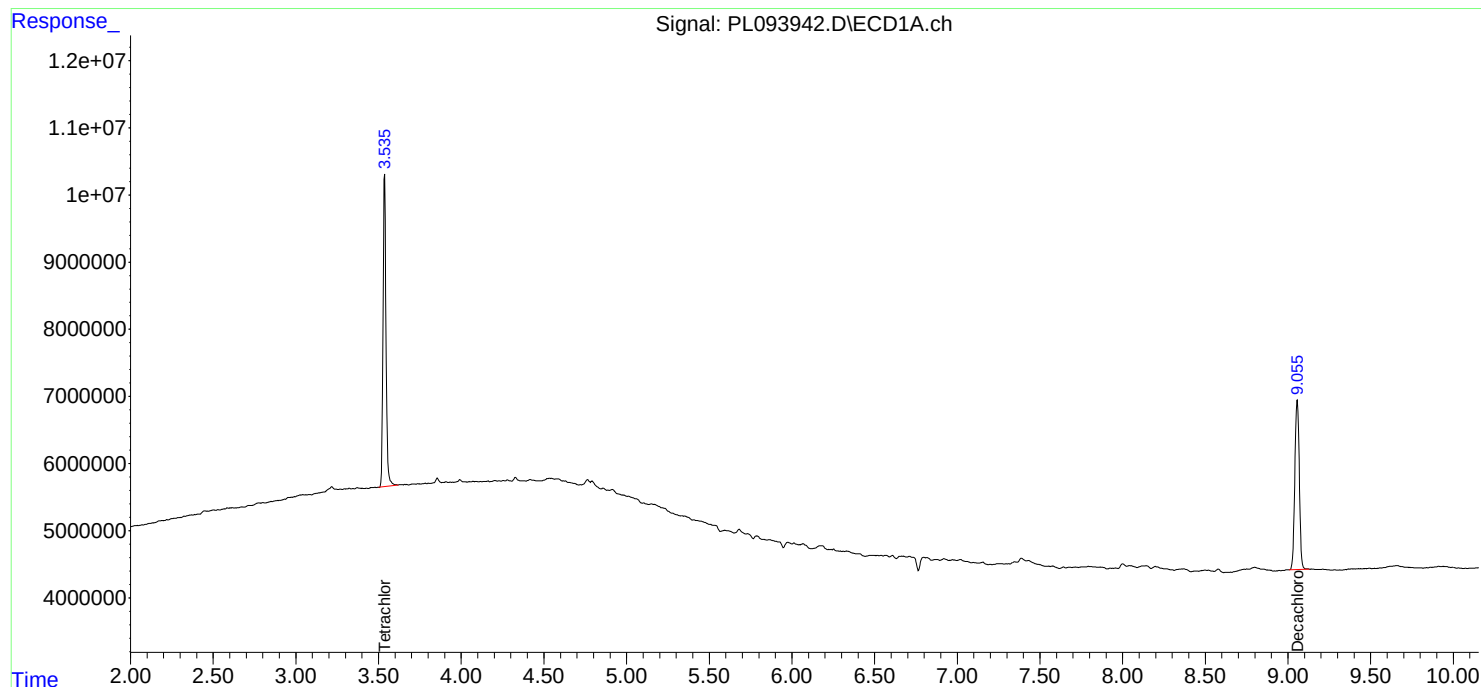
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093942.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 14:57  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

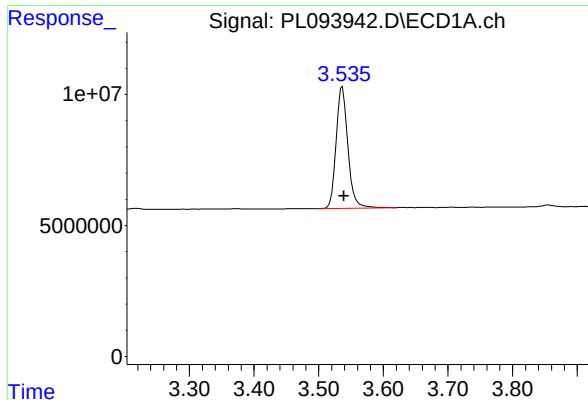
Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:27:12 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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



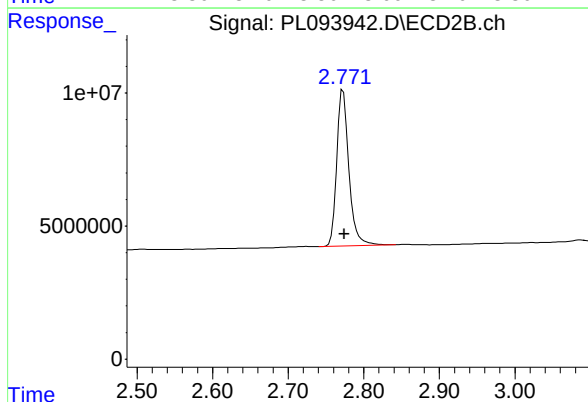




## #1 Tetrachloro-m-xylene

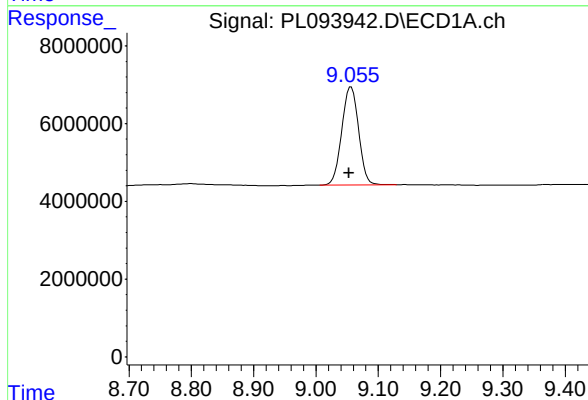
R.T.: 3.537 min  
Delta R.T.: -0.002 min  
Response: 58455331  
Conc: 21.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



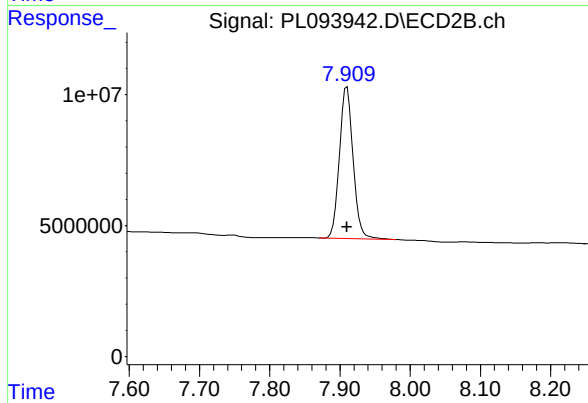
## #1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: -0.002 min  
Response: 65748686  
Conc: 20.14 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.004 min  
Response: 47390121  
Conc: 22.65 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.910 min  
Delta R.T.: 0.000 min  
Response: 78106190  
Conc: 22.29 ng/ml

## Report of Analysis

|                    |                                       |                    |                  |
|--------------------|---------------------------------------|--------------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25         |
| Client Sample ID:  | PIBLK-PL093957.D                      | SDG No.:           | Q1242            |
| Lab Sample ID:     | I.BLK-PL093957.D                      | Matrix:            | WATER            |
| Analytical Method: | SW8081                                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL                | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-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 |
| PL093957.D        | 1         |           | 01/31/25      | pl013125      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.050 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.050 | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.050 | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.050 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.050 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.050 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.050 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.050 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.050 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.050 | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.050 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 1.00  | U         | 0.15     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.4  |           | 43 - 140 | 102%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.0  |           | 77 - 126 | 110%       | SPK: 20 |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25      |
| Client Sample ID:  | PIBLK-PL093957.D                      | SDG No.:           | Q1242         |
| Lab Sample ID:     | I.BLK-PL093957.D                      | Matrix:            | WATER         |
| Analytical Method: | SW8081                                | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                                  | Units:             | mL            |
| Soil Aliquot Vol:  |                                       |                    | uL            |
| Extraction Type:   |                                       | Decanted:          |               |
| GPC Factor :       | 1.0                                   | Final Vol:         | 10000         |
| Prep Method :      | 3510C                                 | Test:              | Pesticide-TCL |
|                    |                                       | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093957.D        | 1         |           | 01/31/25      | pl013125      |

| 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\PL013125\  
Data File : PL093957.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 19:26  
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: Feb 01 00:32:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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...          | 3.538 | 2.774 | 59144195 | 67936809 | 21.964 | 20.813 |
| 28) SA Decachlor...         | 9.056 | 7.911 | 42654762 | 59975666 | 20.390 | 17.116 |

Target Compounds

-----

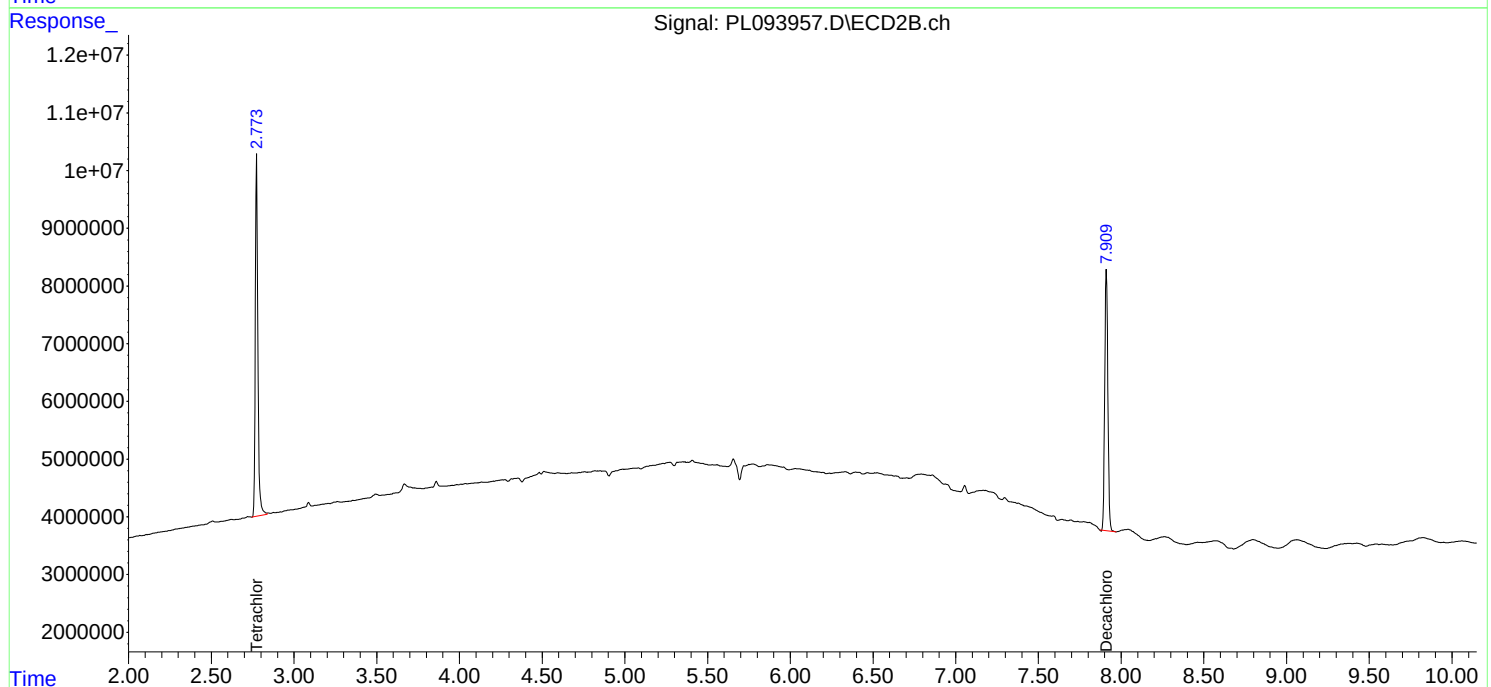
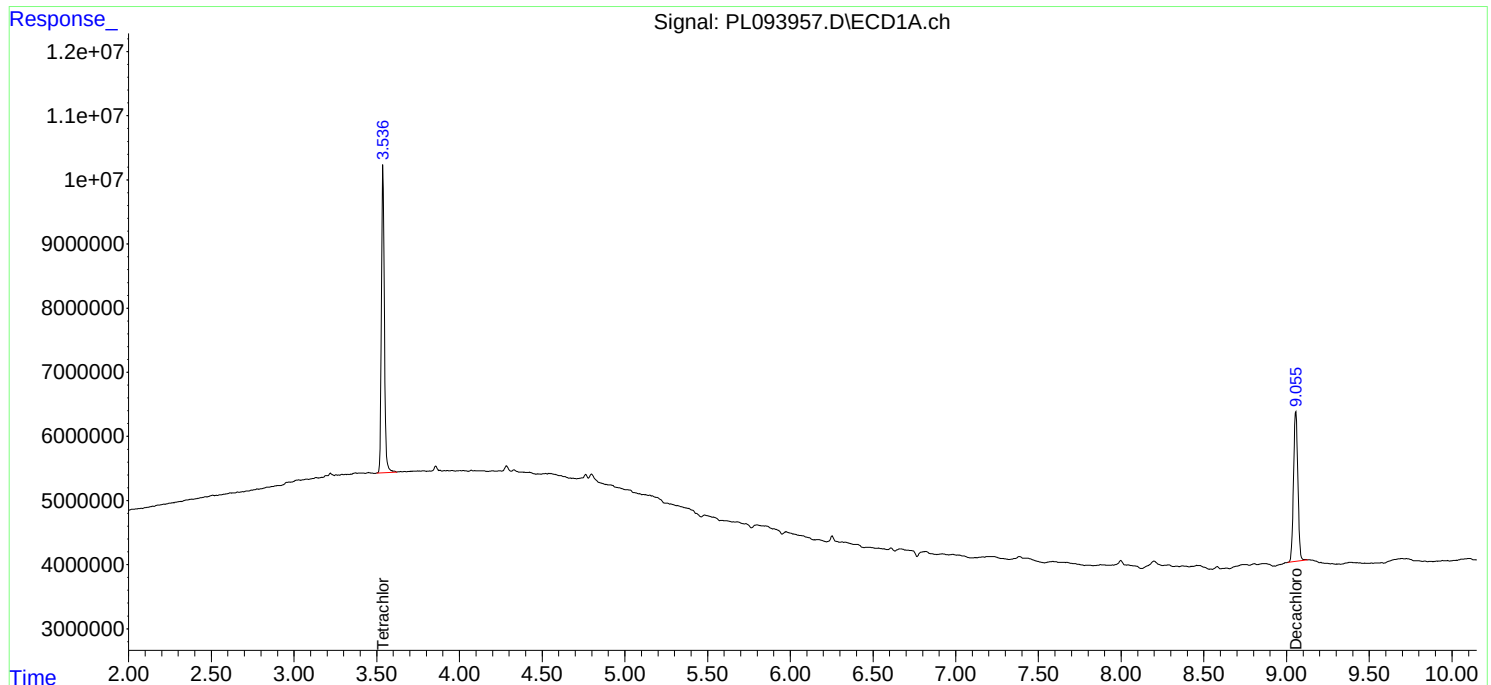
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

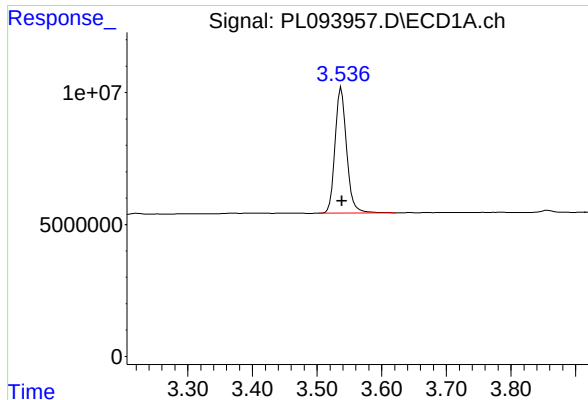
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093957.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 19:26  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:32:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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

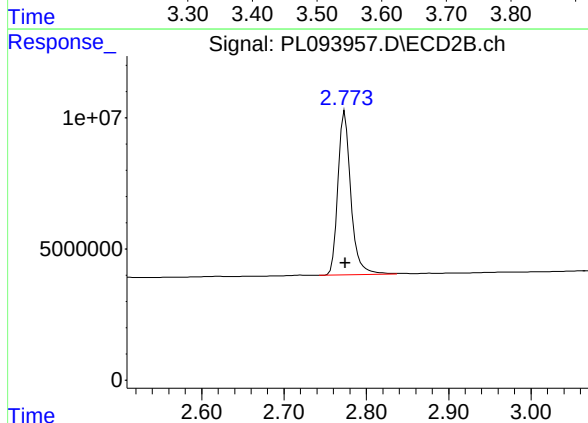




#1 Tetrachloro-m-xylene

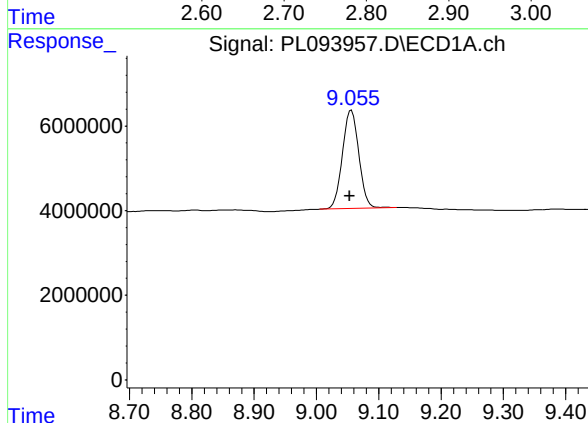
R.T.: 3.538 min  
Delta R.T.: -0.001 min  
Response: 59144195  
Conc: 21.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



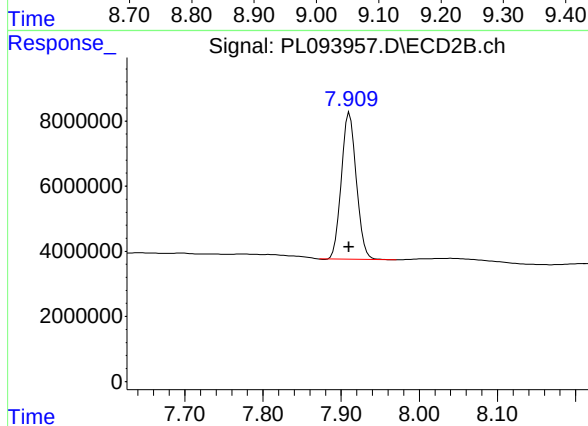
#1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 67936809  
Conc: 20.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.003 min  
Response: 42654762  
Conc: 20.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.001 min  
Response: 59975666  
Conc: 17.12 ng/ml

## Report of Analysis

|                    |                                       |                    |                  |
|--------------------|---------------------------------------|--------------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25         |
| Client Sample ID:  | PIBLK-PL093970.D                      | SDG No.:           | Q1242            |
| Lab Sample ID:     | I.BLK-PL093970.D                      | Matrix:            | WATER            |
| Analytical Method: | SW8081                                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:      mL              | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-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 |
| PL093970.D        | 1         |           | 01/31/25      | pl013125      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.050 | U         | 0.0061   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.050 | U         | 0.014    | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.050 | U         | 0.015    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U         | 0.0049   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.050 | U         | 0.0054   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U         | 0.0090   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.050 | U         | 0.0050   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.050 | U         | 0.0047   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.050 | U         | 0.0045   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.050 | U         | 0.0043   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.050 | U         | 0.0075   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.050 | U         | 0.0092   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U         | 0.0035   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.050 | U         | 0.0044   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.050 | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.050 | U         | 0.0097   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U         | 0.0099   | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U         | 0.0060   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 1.00  | U         | 0.15     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 19.3  |           | 43 - 140 | 96%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.3  |           | 77 - 126 | 107%       | SPK: 20 |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/31/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/31/25      |
| Client Sample ID:  | PIBLK-PL093970.D                      | SDG No.:           | Q1242         |
| Lab Sample ID:     | I.BLK-PL093970.D                      | Matrix:            | WATER         |
| Analytical Method: | SW8081                                | % 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 |
| PL093970.D        | 1         |           | 01/31/25      | pl013125      |

| 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\PL013125\  
Data File : PL093970.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 22:43  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:37:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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...          | 3.537 | 2.773 | 57423032 | 65419079 | 21.325 | 20.042 |
| 28) SA Decachlor...         | 9.057 | 7.911 | 40262923 | 56527597 | 19.247 | 16.132 |

Target Compounds

-----

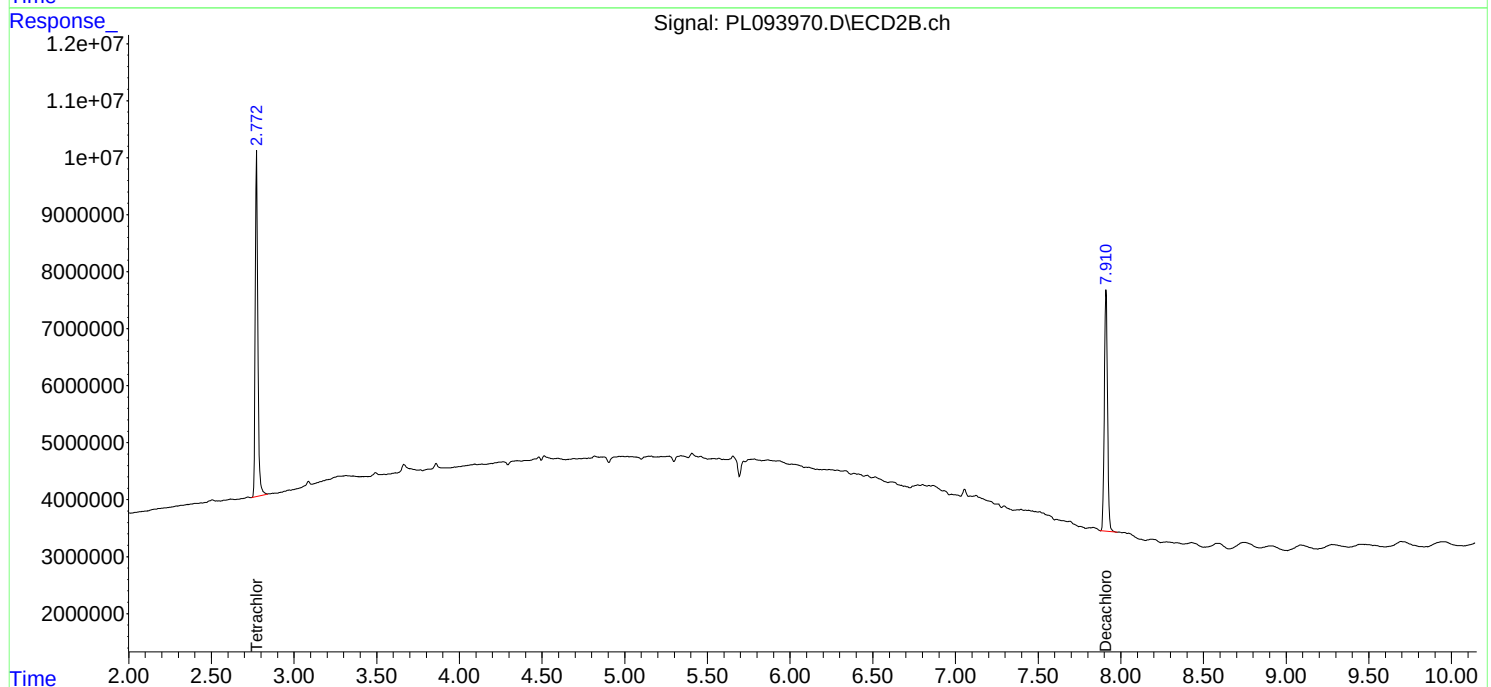
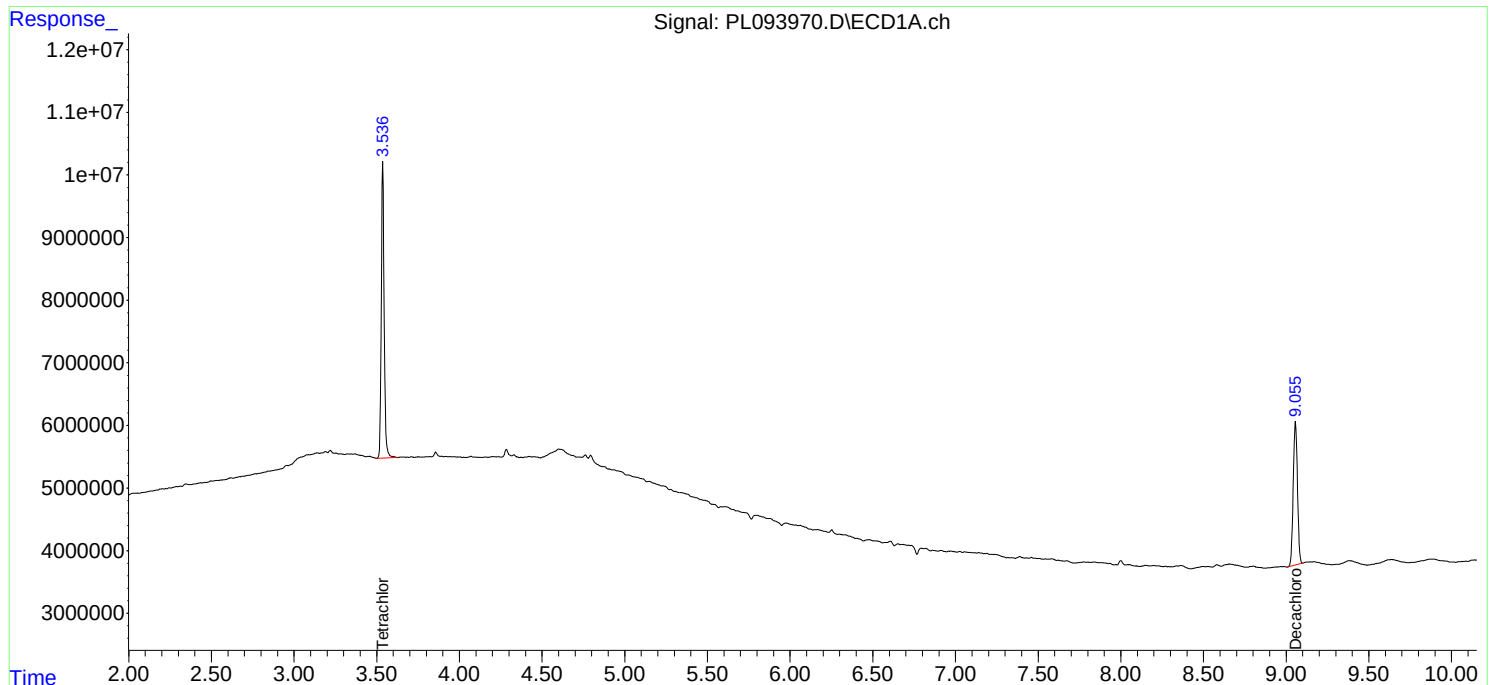
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

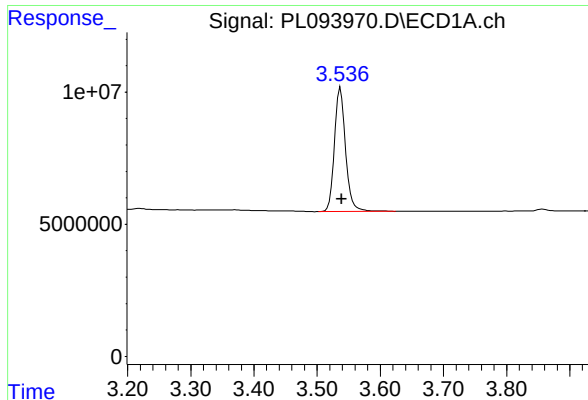
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093970.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 22:43  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:37:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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

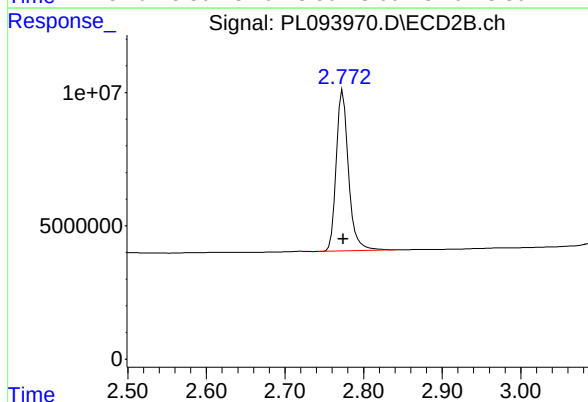




## #1 Tetrachloro-m-xylene

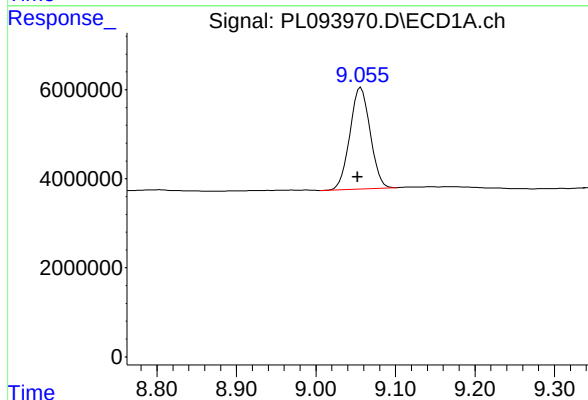
R.T.: 3.537 min  
Delta R.T.: -0.002 min  
Response: 57423032  
Conc: 21.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



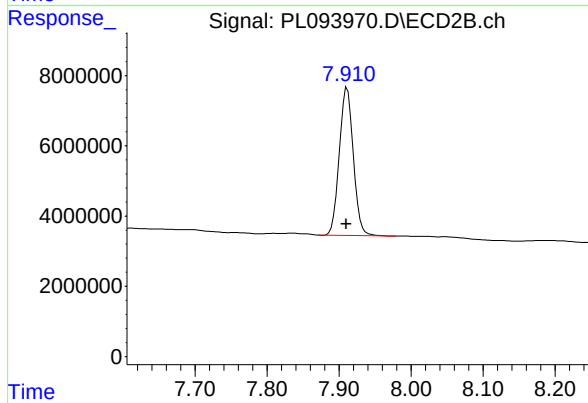
## #1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: 0.000 min  
Response: 65419079  
Conc: 20.04 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.057 min  
Delta R.T.: 0.004 min  
Response: 40262923  
Conc: 19.25 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.001 min  
Response: 56527597  
Conc: 16.13 ng/ml

## Report of Analysis

|                    |                                       |                    |                    |
|--------------------|---------------------------------------|--------------------|--------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    |                    |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     |                    |
| Client Sample ID:  | PB166413BS                            | SDG No.:           | Q1242              |
| Lab Sample ID:     | PB166413BS                            | Matrix:            | SOIL               |
| Analytical Method: | SW8081                                | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.01      Units:    g                | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-TCL      |
| Extraction Type:   |                                       | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :                         |                    |                    |
| Prep Method :      | SW3541B                               |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093941.D        | 1         | 01/31/25 08:15 | 01/31/25 14:43 | PB166413      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 14.9  |           | 0.18     | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 15.1  |           | 0.49     | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 15.1  |           | 0.47     | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 14.8  |           | 0.19     | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 16.0  |           | 0.17     | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 15.0  |           | 0.14     | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 15.3  |           | 0.23     | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 15.4  |           | 0.17     | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 15.5  |           | 0.15     | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 16.5  |           | 0.13     | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 16.8  |           | 0.16     | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 16.2  |           | 0.30     | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 17.1  |           | 0.19     | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 16.2  |           | 0.13     | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 17.5  |           | 0.17     | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 17.2  |           | 0.38     | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 15.7  |           | 0.22     | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 15.3  |           | 0.39     | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 15.7  |           | 0.17     | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 15.7  |           | 0.19     | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 33.0  | U         | 5.20     | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 21.7  |           | 10 - 148 | 109%       | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 20.0  |           | 10 - 159 | 100%       | SPK: 20           |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    |               |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     |               |
| Client Sample ID:  | PB166413BS                            | SDG No.:           | Q1242         |
| Lab Sample ID:     | PB166413BS                            | Matrix:            | SOIL          |
| Analytical Method: | SW8081                                | % Solid:           | 100           |
| Sample Wt/Vol:     | 30.01                                 | Units:             | g             |
| Soil Aliquot Vol:  |                                       |                    | uL            |
| Extraction Type:   |                                       | Decanted:          |               |
| GPC Factor :       | 1.0                                   | Final Vol:         | 10000         |
| PH :               |                                       | Test:              | Pesticide-TCL |
| Prep Method :      | SW3541B                               | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093941.D        | 1         | 01/31/25 08:15 | 01/31/25 14:43 | PB166413      |

| 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\PL013125\  
 Data File : PL093941.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 14:43  
 Operator : AR\AJ  
 Sample : PB166413BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PB166413BS

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:26:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.541 | 2.774 | 53863775 | 60606861 | 20.003  | 18.567  |
| 28) SA Decachlor...         | 9.059 | 7.911 | 44293906 | 76038120 | 21.174  | 21.700  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.997 | 3.276 | 171.2E6  | 213.9E6  | 44.668  | 43.753  |
| 3) MA gamma-BHC...          | 4.330 | 3.607 | 163.2E6  | 203.3E6  | 44.307  | 42.882  |
| 4) MA Heptachlor            | 4.917 | 3.945 | 157.6E6  | 213.8E6  | 48.094  | 45.939  |
| 5) MB Aldrin                | 5.259 | 4.225 | 146.8E6  | 199.2E6  | 44.877  | 43.660  |
| 6) B beta-BHC               | 4.528 | 3.907 | 72120927 | 90605027 | 44.870  | 45.361  |
| 7) B delta-BHC              | 4.775 | 4.135 | 159.2E6  | 207.2E6  | 45.405  | 43.618  |
| 8) B Heptachlo...           | 5.686 | 4.727 | 132.1E6  | 192.4E6  | 44.421  | 46.029  |
| 9) A Endosulfan I           | 6.072 | 5.098 | 121.9E6  | 175.3E6  | 46.106  | 45.217  |
| 10) B gamma-Chl...          | 5.940 | 4.976 | 129.1E6  | 199.9E6  | 46.303m | 47.166m |
| 11) B alpha-Chl...          | 6.021 | 5.041 | 130.6E6  | 196.9E6  | 46.837  | 47.038  |
| 12) B 4,4'-DDE              | 6.194 | 5.230 | 120.3E6  | 196.8E6  | 49.415  | 49.095  |
| 13) MA Dieldrin             | 6.346 | 5.362 | 128.0E6  | 200.1E6  | 46.118  | 46.582  |
| 14) MA Endrin               | 6.575 | 5.637 | 110.2E6  | 186.1E6  | 47.003m | 50.392  |
| 15) B Endosulfa...          | 6.796 | 5.932 | 111.7E6  | 179.8E6  | 46.371  | 48.551  |
| 16) A 4,4'-DDD              | 6.712 | 5.785 | 96870322 | 161.6E6  | 50.969  | 51.185  |
| 17) MA 4,4'-DDT             | 7.025 | 6.035 | 103.5E6  | 170.6E6  | 52.489  | 52.414  |
| 18) B Endrin al...          | 6.926 | 6.111 | 87351319 | 139.8E6  | 44.933  | 45.924  |
| 19) B Endosulfa...          | 7.161 | 6.334 | 102.7E6  | 173.3E6  | 45.361  | 48.596  |
| 20) A Methoxychlor          | 7.502 | 6.610 | 51975133 | 92217194 | 49.813  | 51.572  |
| 21) B Endrin ke...          | 7.646 | 6.839 | 115.1E6  | 197.6E6  | 45.617  | 47.107  |
| 22) Mirex                   | 8.119 | 7.020 | 87775989 | 147.9E6  | 42.150  | 43.722  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093941.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 14:43  
Operator : AR\AJ  
Sample : PB166413BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB166413BS

## Manual Integrations

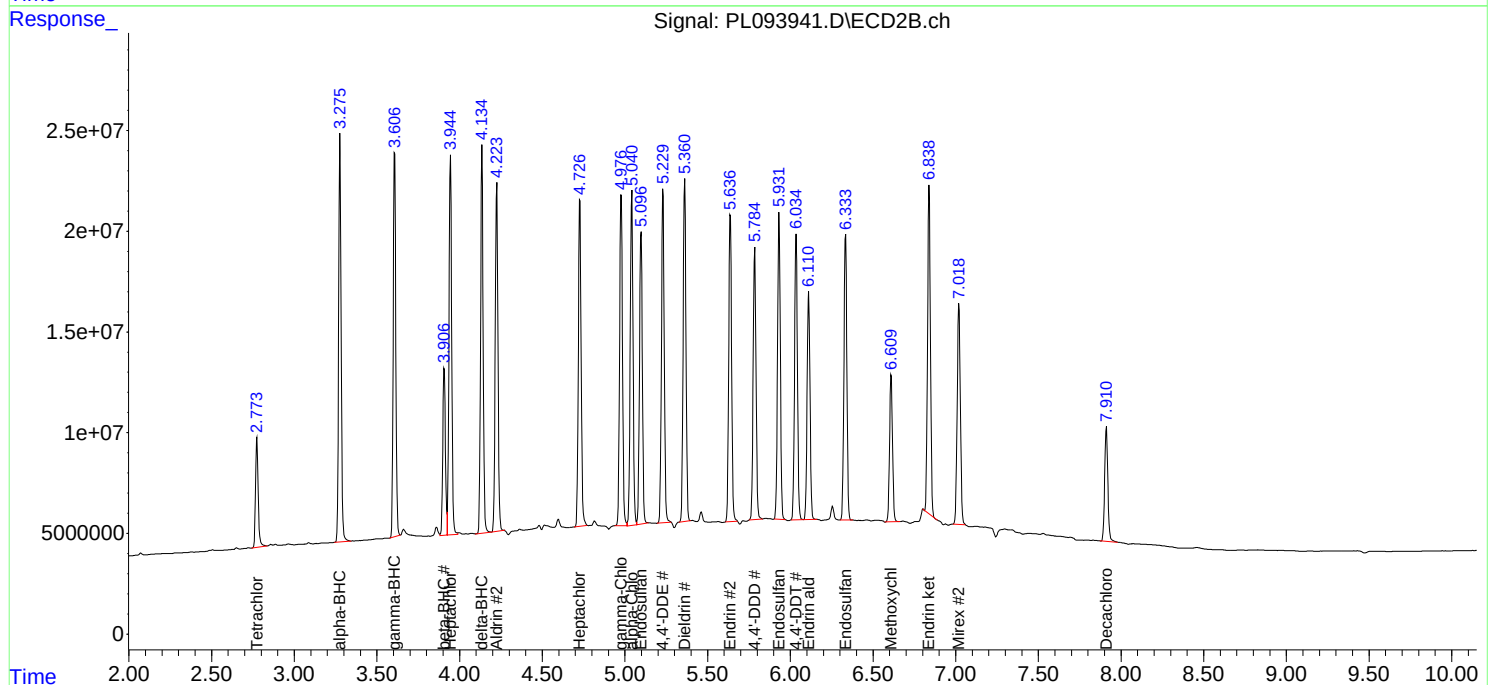
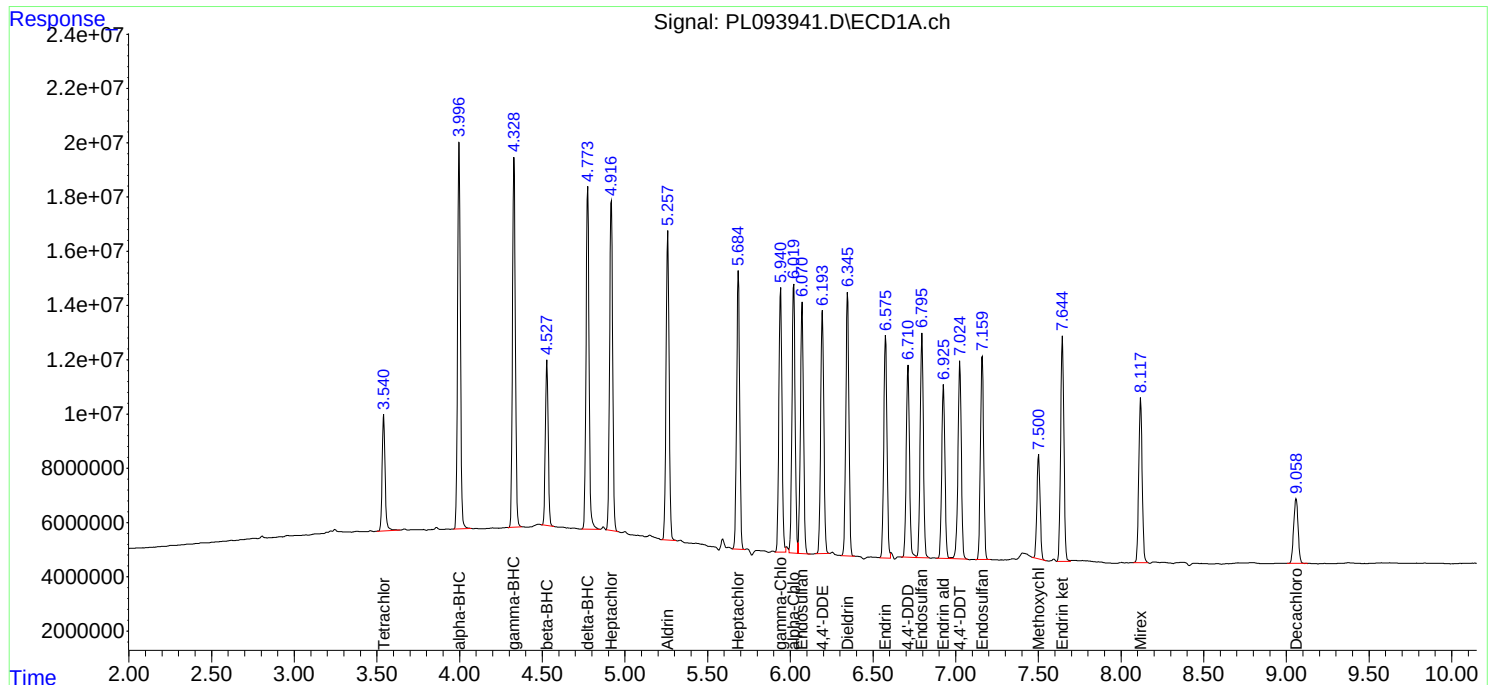
## APPROVED

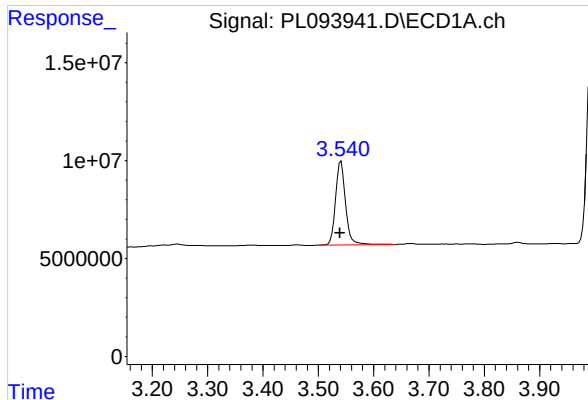
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:26:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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.: 3.541 min  
Delta R.T.: 0.002 min  
Response: 53863775  
Conc: 20.00 ng/ml

Instrument :

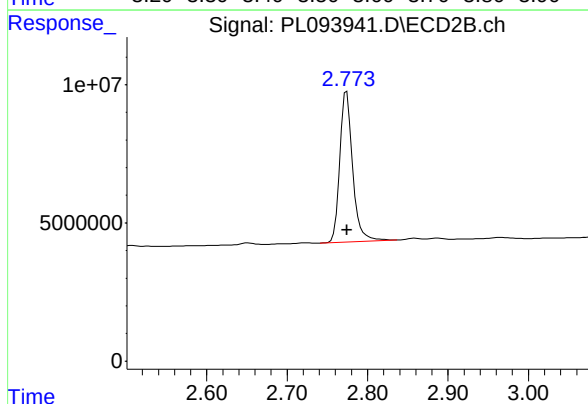
ECD\_L

ClientSampleId :

PB166413BS

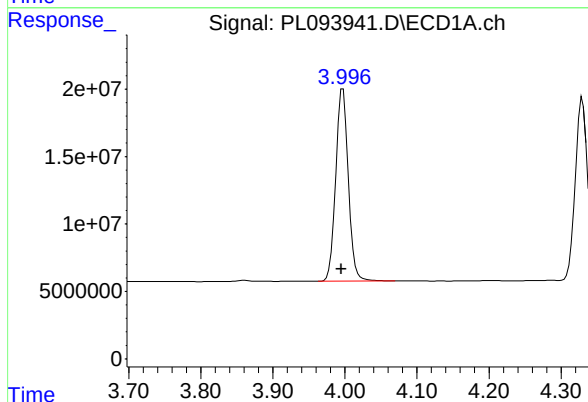
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



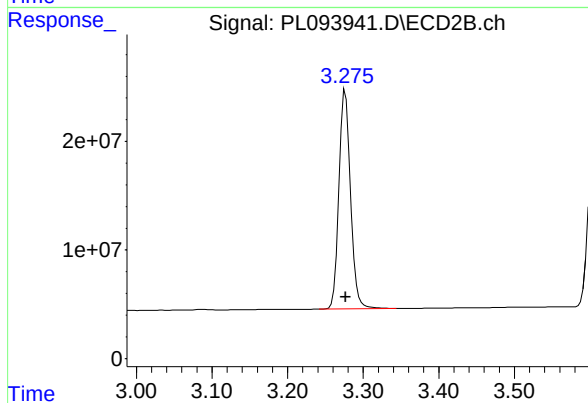
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 60606861  
Conc: 18.57 ng/ml



## #2 alpha-BHC

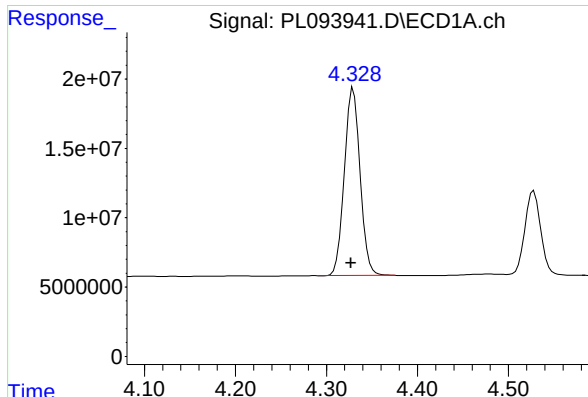
R.T.: 3.997 min  
Delta R.T.: 0.003 min  
Response: 171248506  
Conc: 44.67 ng/ml



## #2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 213909521  
Conc: 43.75 ng/ml





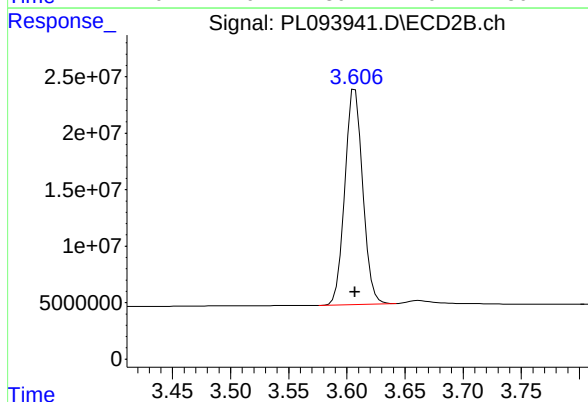
## #3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: 0.003 min  
Response: 163177663  
Conc: 44.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

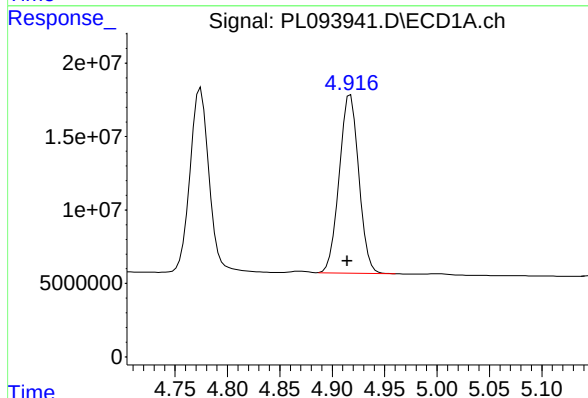
**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



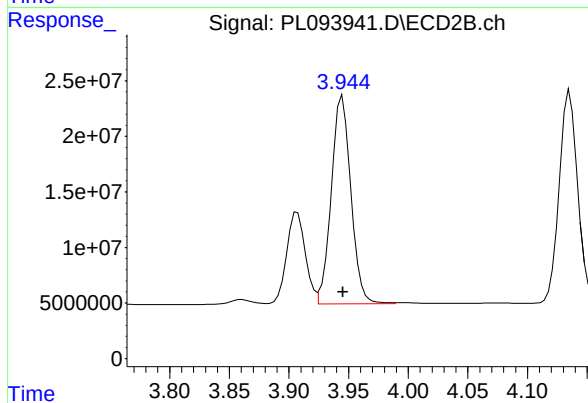
## #3 gamma-BHC (Lindane)

R.T.: 3.607 min  
Delta R.T.: 0.000 min  
Response: 203313828  
Conc: 42.88 ng/ml



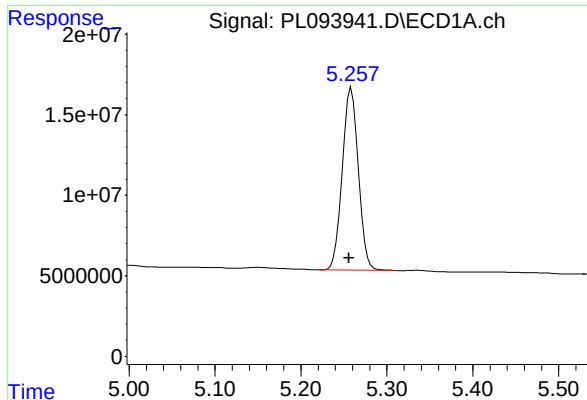
## #4 Heptachlor

R.T.: 4.917 min  
Delta R.T.: 0.003 min  
Response: 157620122  
Conc: 48.09 ng/ml



## #4 Heptachlor

R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 213838193  
Conc: 45.94 ng/ml



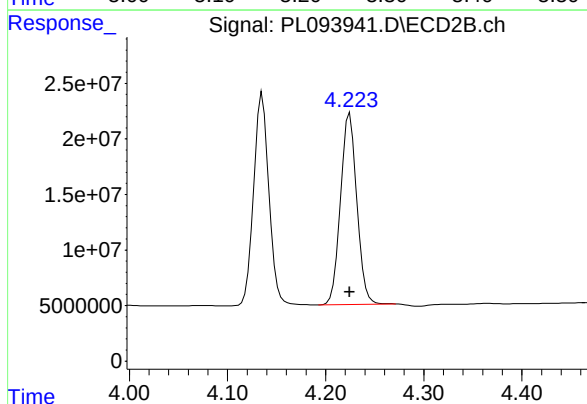
#5 Aldrin

R.T.: 5.259 min  
Delta R.T.: 0.003 min  
Response: 146835897  
Conc: 44.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

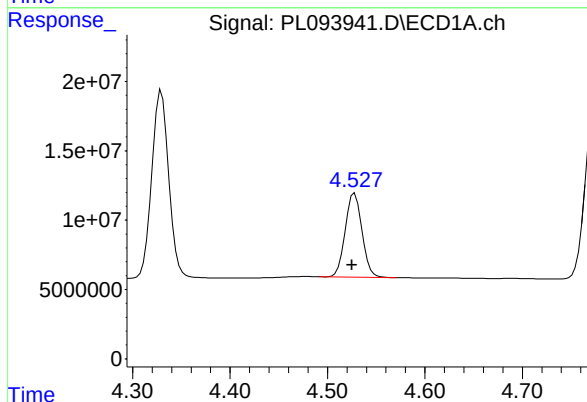
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



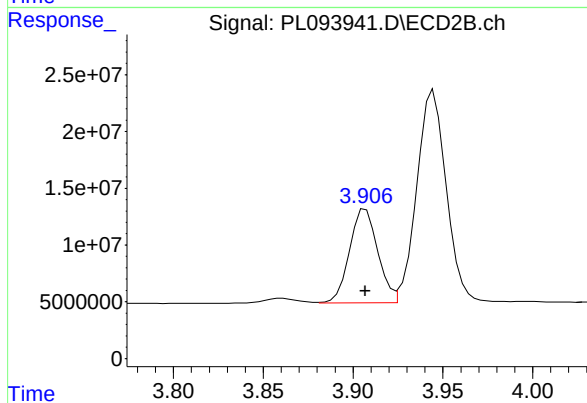
#5 Aldrin

R.T.: 4.225 min  
Delta R.T.: 0.000 min  
Response: 199167275  
Conc: 43.66 ng/ml



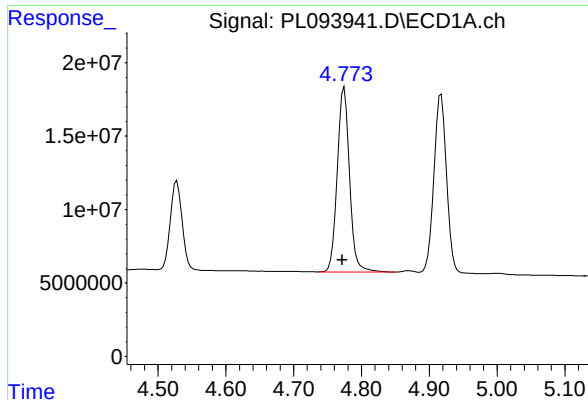
#6 beta-BHC

R.T.: 4.528 min  
Delta R.T.: 0.003 min  
Response: 72120927  
Conc: 44.87 ng/ml



#6 beta-BHC

R.T.: 3.907 min  
Delta R.T.: 0.000 min  
Response: 90605027  
Conc: 45.36 ng/ml



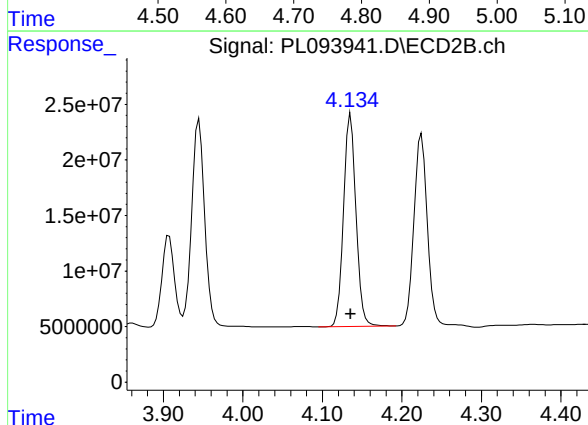
#7 delta-BHC

R.T.: 4.775 min  
Delta R.T.: 0.003 min  
Response: 159158634  
Conc: 45.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

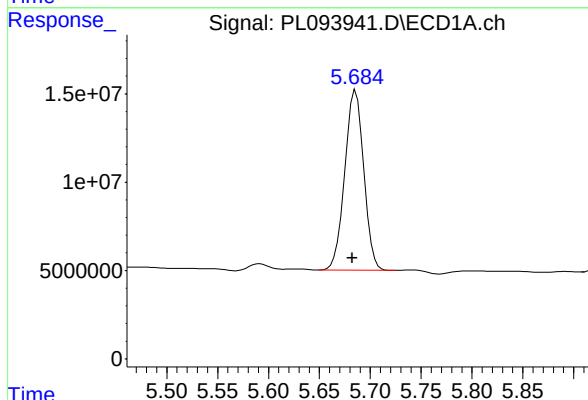
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



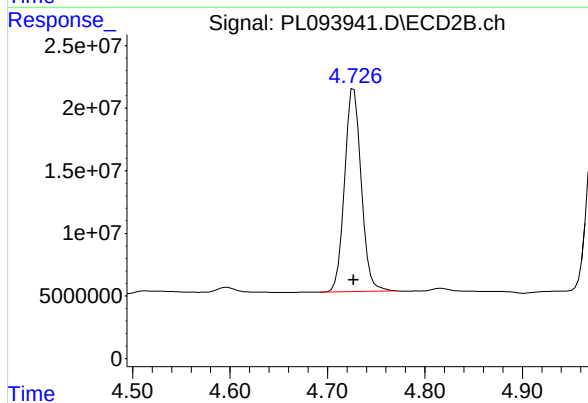
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 207239446  
Conc: 43.62 ng/ml



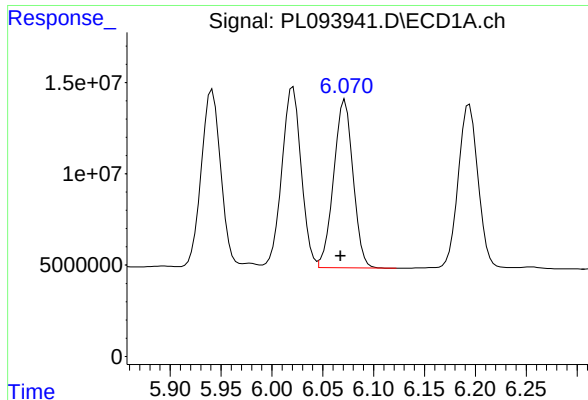
#8 Heptachlor epoxide

R.T.: 5.686 min  
Delta R.T.: 0.003 min  
Response: 132098839  
Conc: 44.42 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 192412348  
Conc: 46.03 ng/ml



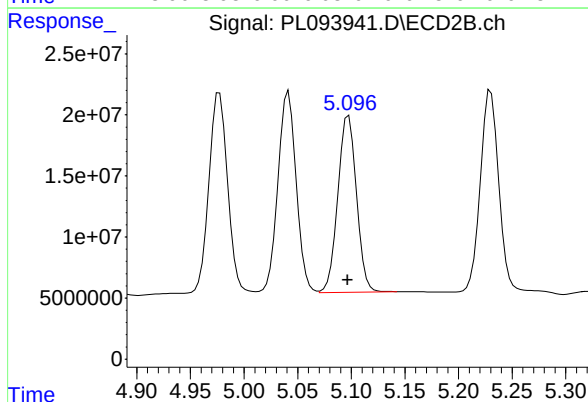
## #9 Endosulfan I

R.T.: 6.072 min  
Delta R.T.: 0.004 min  
Response: 121851374  
Conc: 46.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

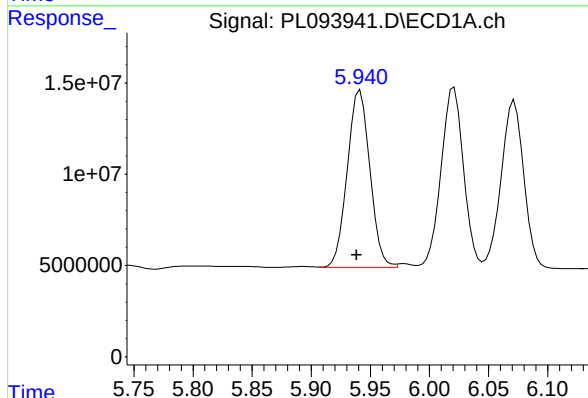
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



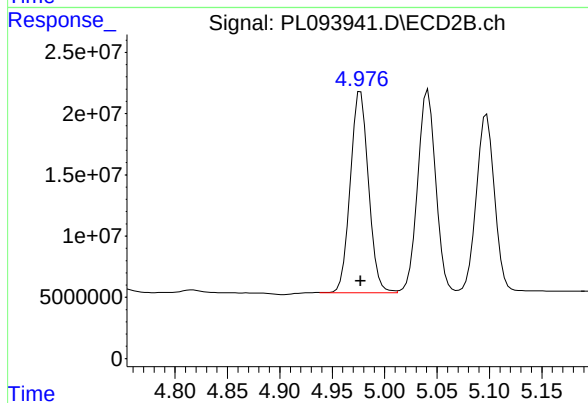
## #9 Endosulfan I

R.T.: 5.098 min  
Delta R.T.: 0.001 min  
Response: 175304199  
Conc: 45.22 ng/ml



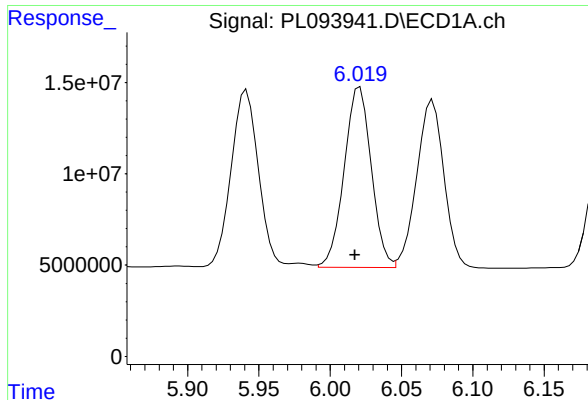
## #10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.002 min  
Response: 129062469  
Conc: 46.30 ng/ml m



## #10 gamma-Chlordane

R.T.: 4.976 min  
Delta R.T.: -0.001 min  
Response: 199870170  
Conc: 47.17 ng/ml m



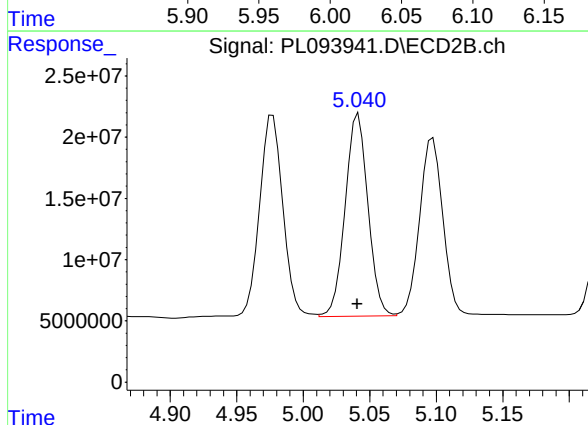
#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: 0.004 min  
Response: 130599407  
Conc: 46.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

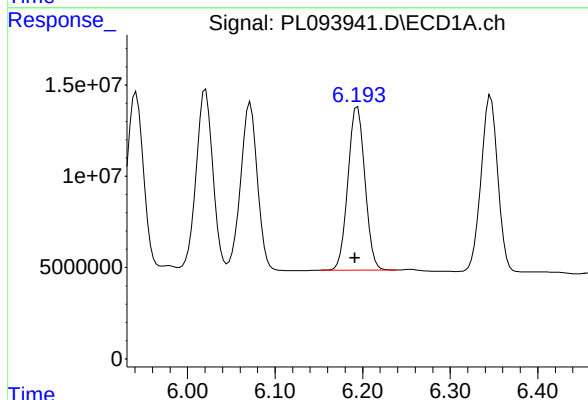
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



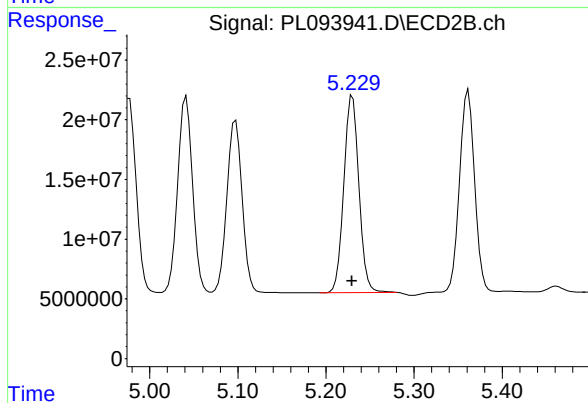
#11 alpha-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 196927472  
Conc: 47.04 ng/ml



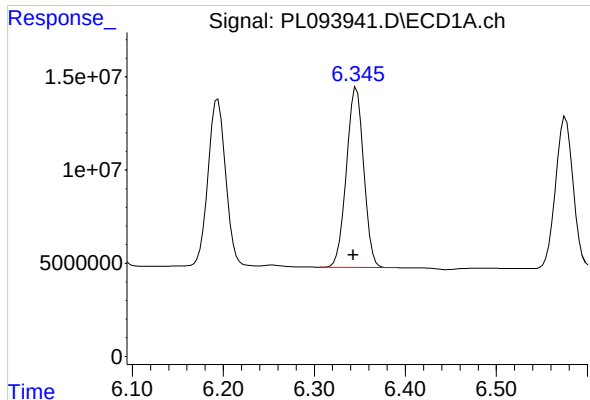
#12 4,4'-DDE

R.T.: 6.194 min  
Delta R.T.: 0.003 min  
Response: 120305149  
Conc: 49.41 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min  
Delta R.T.: 0.000 min  
Response: 196843014  
Conc: 49.09 ng/ml



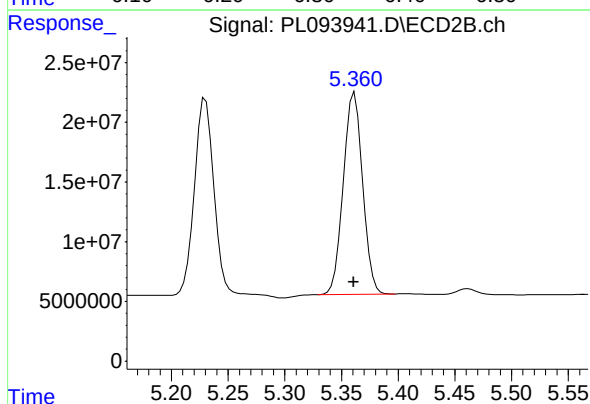
#13 Dieldrin

R.T.: 6.346 min  
Delta R.T.: 0.003 min  
Response: 128016367  
Conc: 46.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

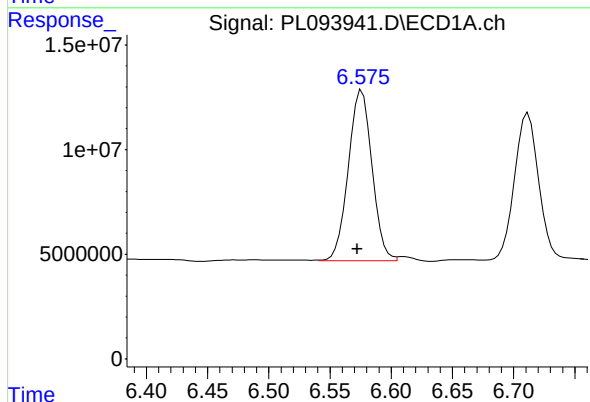
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



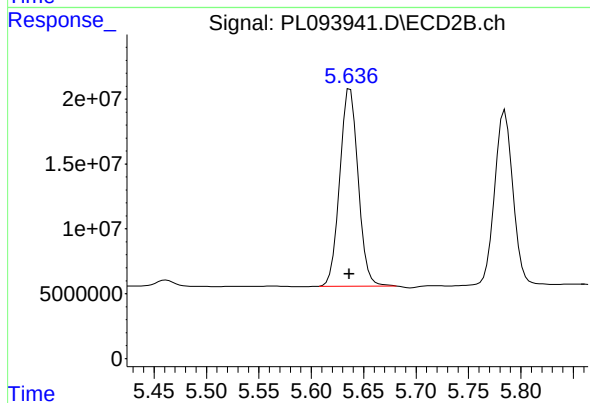
#13 Dieldrin

R.T.: 5.362 min  
Delta R.T.: 0.000 min  
Response: 200100466  
Conc: 46.58 ng/ml



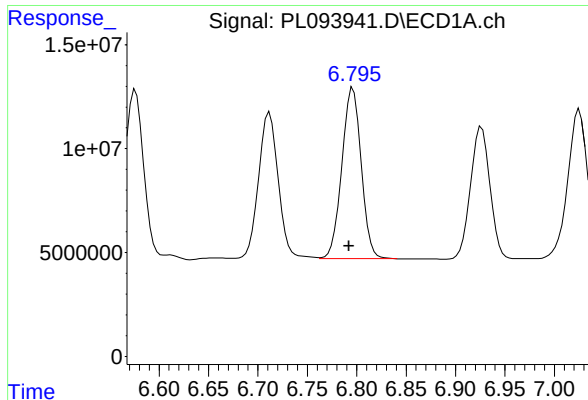
#14 Endrin

R.T.: 6.575 min  
Delta R.T.: 0.002 min  
Response: 110213851  
Conc: 47.00 ng/ml m



#14 Endrin

R.T.: 5.637 min  
Delta R.T.: 0.000 min  
Response: 186080914  
Conc: 50.39 ng/ml



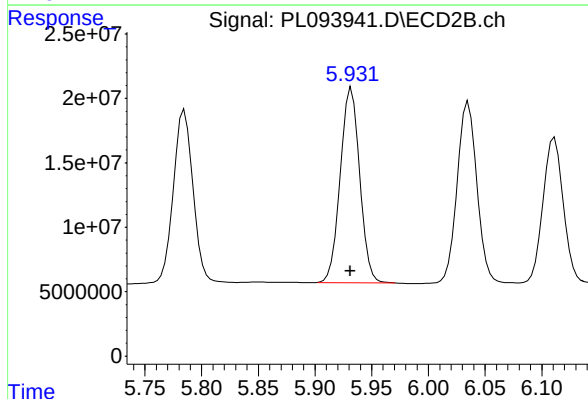
## #15 Endosulfan II

R.T.: 6.796 min  
Delta R.T.: 0.004 min  
Response: 111724724  
Conc: 46.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

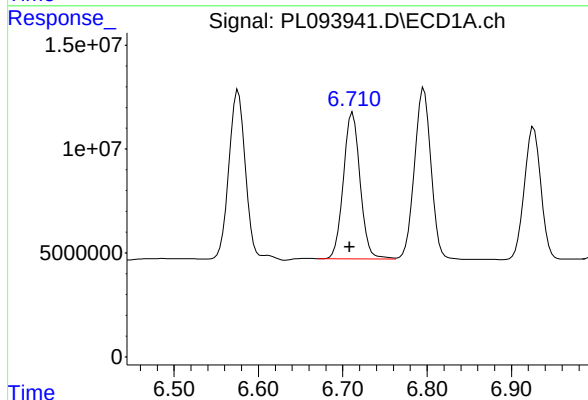
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



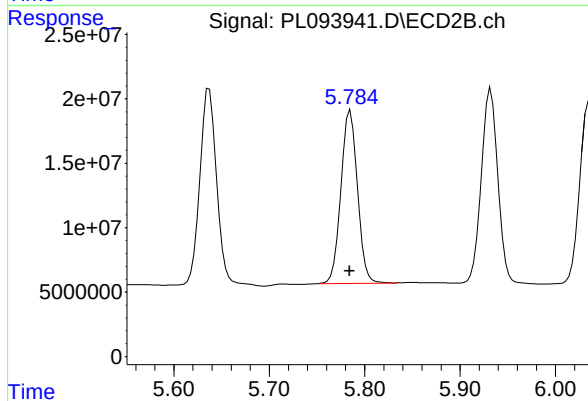
## #15 Endosulfan II

R.T.: 5.932 min  
Delta R.T.: 0.000 min  
Response: 179824512  
Conc: 48.55 ng/ml



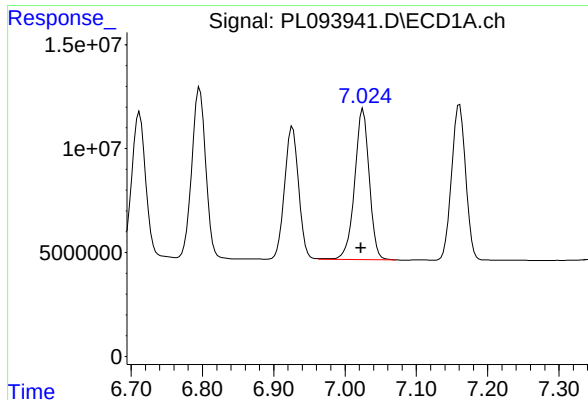
## #16 4,4'-DDD

R.T.: 6.712 min  
Delta R.T.: 0.004 min  
Response: 96870322  
Conc: 50.97 ng/ml



## #16 4,4'-DDD

R.T.: 5.785 min  
Delta R.T.: 0.000 min  
Response: 161568406  
Conc: 51.19 ng/ml



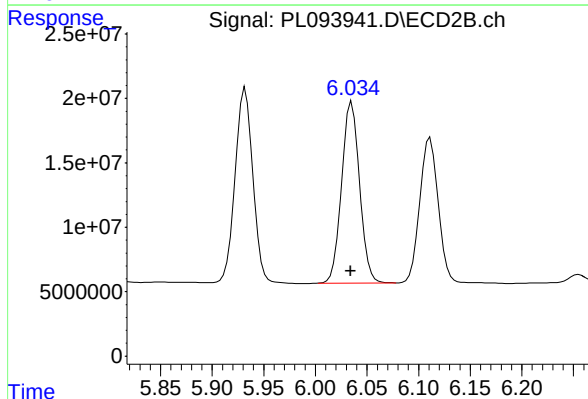
#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: 0.003 min  
Response: 103511557  
Conc: 52.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

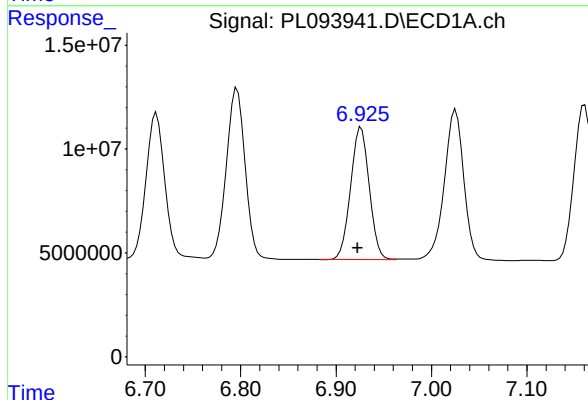
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



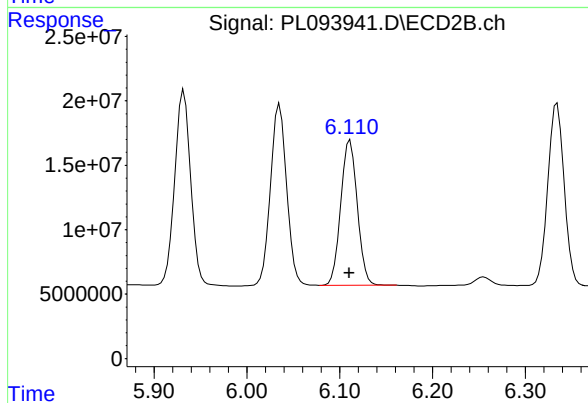
#17 4,4'-DDT

R.T.: 6.035 min  
Delta R.T.: 0.001 min  
Response: 170558141  
Conc: 52.41 ng/ml



#18 Endrin aldehyde

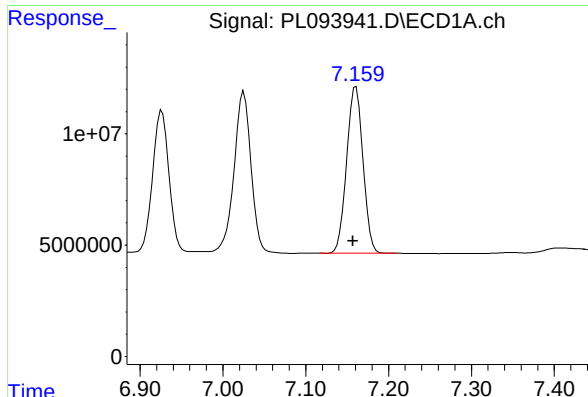
R.T.: 6.926 min  
Delta R.T.: 0.004 min  
Response: 87351319  
Conc: 44.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min  
Delta R.T.: 0.001 min  
Response: 139823266  
Conc: 45.92 ng/ml





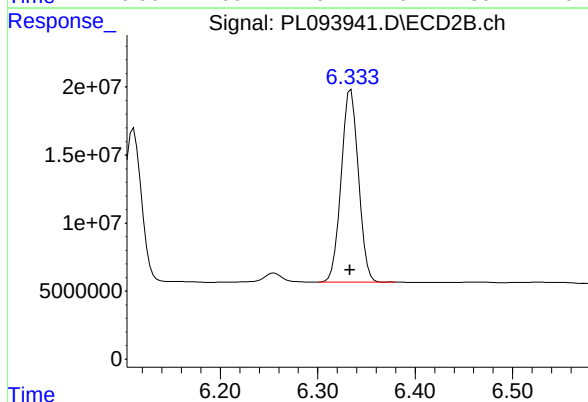
## #19 Endosulfan Sulfate

R.T.: 7.161 min  
Delta R.T.: 0.003 min  
Response: 102686507  
Conc: 45.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

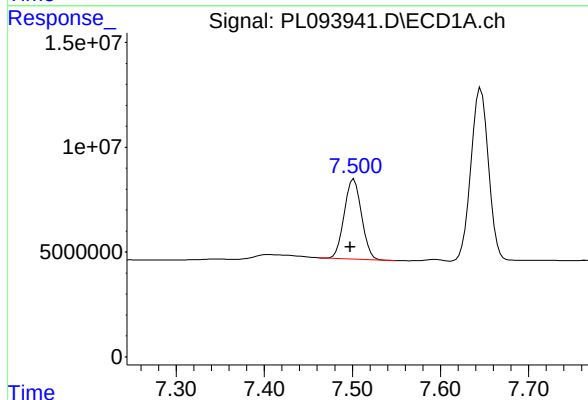
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



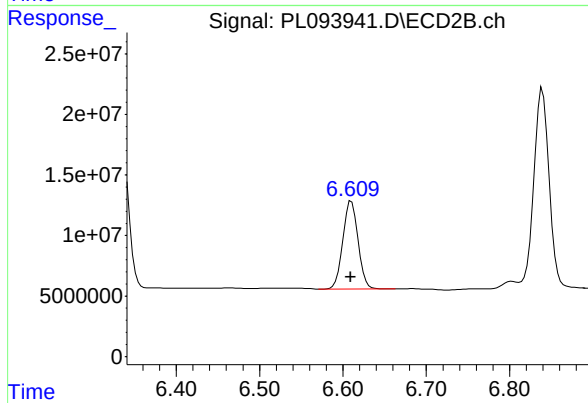
## #19 Endosulfan Sulfate

R.T.: 6.334 min  
Delta R.T.: 0.000 min  
Response: 173296175  
Conc: 48.60 ng/ml



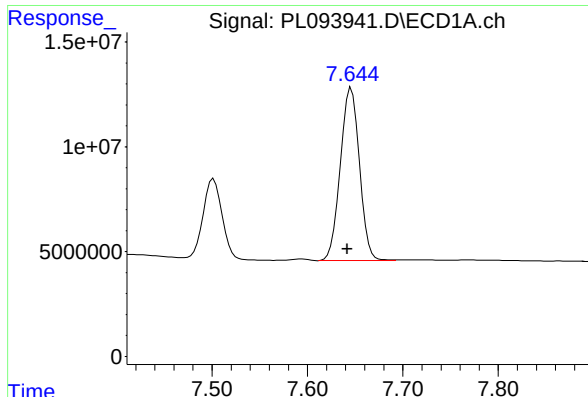
## #20 Methoxychlor

R.T.: 7.502 min  
Delta R.T.: 0.004 min  
Response: 51975133  
Conc: 49.81 ng/ml



## #20 Methoxychlor

R.T.: 6.610 min  
Delta R.T.: 0.000 min  
Response: 92217194  
Conc: 51.57 ng/ml



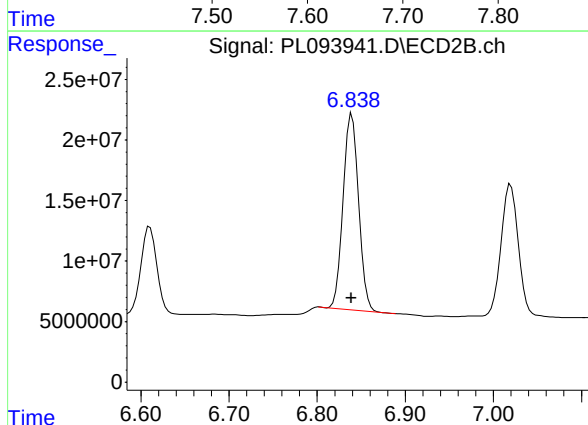
#21 Endrin ketone

R.T.: 7.646 min  
Delta R.T.: 0.004 min  
Response: 115075104  
Conc: 45.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

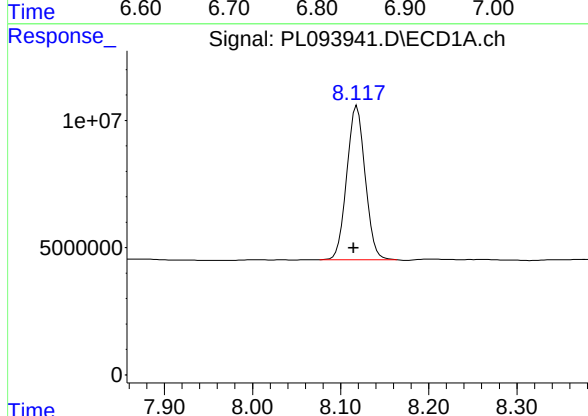
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



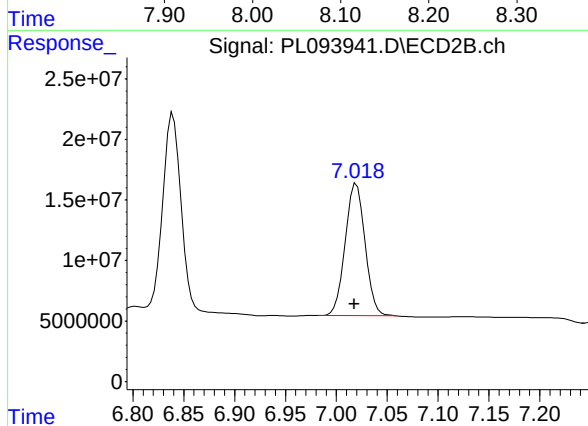
#21 Endrin ketone

R.T.: 6.839 min  
Delta R.T.: 0.000 min  
Response: 197623235  
Conc: 47.11 ng/ml



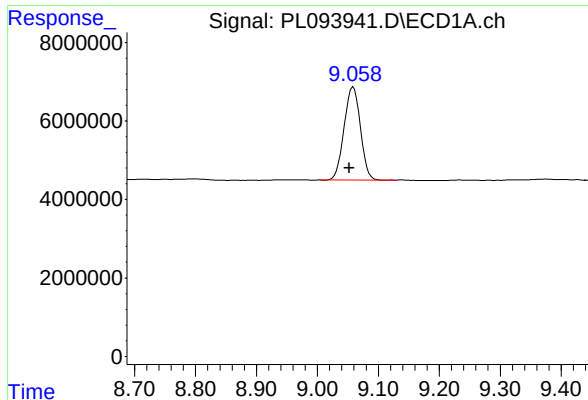
#22 Mirex

R.T.: 8.119 min  
Delta R.T.: 0.004 min  
Response: 87775989  
Conc: 42.15 ng/ml



#22 Mirex

R.T.: 7.020 min  
Delta R.T.: 0.002 min  
Response: 147863707  
Conc: 43.72 ng/ml



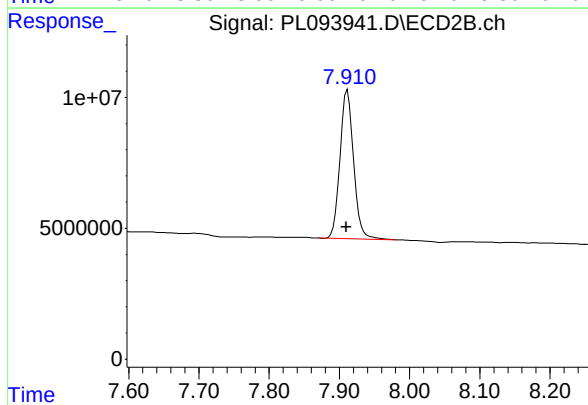
#28 Decachlorobiphenyl

R.T.: 9.059 min  
Delta R.T.: 0.006 min  
Response: 44293906  
Conc: 21.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB166413BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.002 min  
Response: 76038120  
Conc: 21.70 ng/ml

## Report of Analysis

|                    |                                       |                    |                     |
|--------------------|---------------------------------------|--------------------|---------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/30/25            |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/30/25            |
| Client Sample ID:  | 357MS                                 | SDG No.:           | Q1242               |
| Lab Sample ID:     | Q1239-10MS                            | Matrix:            | SOIL                |
| Analytical Method: | SW8081                                | % Solid:           | 84.8      Decanted: |
| Sample Wt/Vol:     | 30.04      Units:    g                | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                                    | Test:              | Pesticide-TCL       |
| Extraction Type:   |                                       | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :                         |                    |                     |
| Prep Method :      | SW3541B                               |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093960.D        | 1         | 01/31/25 08:15 | 01/31/25 20:31 | PB166413      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 19.6  |           | 0.21     | 2.00       | ug/kg             |
| 319-85-7          | beta-BHC             | 19.9  |           | 0.58     | 2.00       | ug/kg             |
| 319-86-8          | delta-BHC            | 19.1  |           | 0.55     | 2.00       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 19.2  |           | 0.22     | 2.00       | ug/kg             |
| 76-44-8           | Heptachlor           | 19.1  |           | 0.20     | 2.00       | ug/kg             |
| 309-00-2          | Aldrin               | 19.3  |           | 0.16     | 2.00       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 20.0  |           | 0.27     | 2.00       | ug/kg             |
| 959-98-8          | Endosulfan I         | 19.0  |           | 0.20     | 2.00       | ug/kg             |
| 60-57-1           | Dieldrin             | 20.5  |           | 0.18     | 2.00       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 21.4  |           | 0.15     | 2.00       | ug/kg             |
| 72-20-8           | Endrin               | 20.2  |           | 0.19     | 2.00       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 19.5  |           | 0.35     | 2.00       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 22.0  |           | 0.22     | 2.00       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 18.4  |           | 0.15     | 2.00       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 18.9  |           | 0.20     | 2.00       | ug/kg             |
| 72-43-5           | Methoxychlor         | 17.5  |           | 0.45     | 2.00       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 17.5  |           | 0.26     | 2.00       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 13.7  |           | 0.46     | 2.00       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 20.4  |           | 0.20     | 2.00       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 21.0  |           | 0.22     | 2.00       | ug/kg             |
| 8001-35-2         | Toxaphene            | 38.9  | U         | 6.10     | 38.9       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 14.9  |           | 10 - 148 | 75%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 19.1  |           | 10 - 159 | 95%        | SPK: 20           |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/30/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/30/25      |
| Client Sample ID:  | 357MS                                 | SDG No.:           | Q1242         |
| Lab Sample ID:     | Q1239-10MS                            | Matrix:            | SOIL          |
| Analytical Method: | SW8081                                | % Solid:           | 84.8          |
| Sample Wt/Vol:     | 30.04                                 | 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 |
| PL093960.D        | 1         | 01/31/25 08:15 | 01/31/25 20:31 | PB166413      |

| 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\PL013125\  
 Data File : PL093960.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 20:31  
 Operator : AR\AJ  
 Sample : Q1239-10MS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 357MS

### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
 Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:33:46 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.536 | 2.774 | 51414596 | 58832338 | 19.094m | 18.024 |
| 28) SA Decachlor...         | 9.057 | 7.911 | 31279196 | 48142245 | 14.952  | 13.739 |
| Target Compounds            |       |       |          |          |         |        |
| 2) A alpha-BHC              | 3.994 | 3.276 | 191.6E6  | 239.2E6  | 49.969  | 48.930 |
| 3) MA gamma-BHC...          | 4.327 | 3.606 | 180.4E6  | 228.4E6  | 48.988  | 48.175 |
| 4) MA Heptachlor            | 4.915 | 3.945 | 159.2E6  | 218.3E6  | 48.569  | 46.904 |
| 5) MB Aldrin                | 5.257 | 4.224 | 161.0E6  | 224.1E6  | 49.201  | 49.116 |
| 6) B beta-BHC               | 4.525 | 3.906 | 81072574 | 101.5E6  | 50.439  | 50.802 |
| 7) B delta-BHC              | 4.772 | 4.135 | 170.9E6  | 228.3E6  | 48.751  | 48.042 |
| 8) B Heptachlo...           | 5.684 | 4.727 | 140.7E6  | 212.8E6  | 47.306  | 50.902 |
| 9) A Endosulfan I           | 6.069 | 5.097 | 128.2E6  | 186.2E6  | 48.520  | 48.027 |
| 10) B gamma-Chl...          | 5.940 | 4.977 | 143.7E6  | 226.2E6  | 51.550  | 53.387 |
| 11) B alpha-Chl...          | 6.019 | 5.041 | 140.8E6  | 218.0E6  | 50.489  | 52.061 |
| 12) B 4,4'-DDE              | 6.192 | 5.230 | 123.7E6  | 218.4E6  | 50.794  | 54.462 |
| 13) MA Dieldrin             | 6.345 | 5.361 | 135.5E6  | 224.8E6  | 48.827  | 52.339 |
| 14) MA Endrin               | 6.574 | 5.637 | 111.4E6  | 190.4E6  | 47.496  | 51.554 |
| 15) B Endosulfa...          | 6.794 | 5.932 | 114.6E6  | 184.5E6  | 47.558  | 49.804 |
| 16) A 4,4'-DDD              | 6.710 | 5.785 | 106.5E6  | 171.9E6  | 56.051  | 54.443 |
| 17) MA 4,4'-DDT             | 7.024 | 6.035 | 94770168 | 155.6E6  | 48.057  | 47.825 |
| 18) B Endrin al...          | 6.924 | 6.111 | 67631389 | 102.3E6  | 34.789  | 33.595 |
| 19) B Endosulfa...          | 7.159 | 6.334 | 105.0E6  | 167.0E6  | 46.401  | 46.818 |
| 20) A Methoxychlor          | 7.500 | 6.610 | 46323353 | 79508850 | 44.397m | 44.465 |
| 21) B Endrin ke...          | 7.645 | 6.839 | 112.2E6  | 187.1E6  | 44.489  | 44.597 |
| 22) Mirex                   | 8.119 | 7.019 | 88253104 | 150.1E6  | 42.379  | 44.370 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093960.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 20:31  
Operator : AR\AJ  
Sample : Q1239-10MS  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

357MS

## Manual Integrations

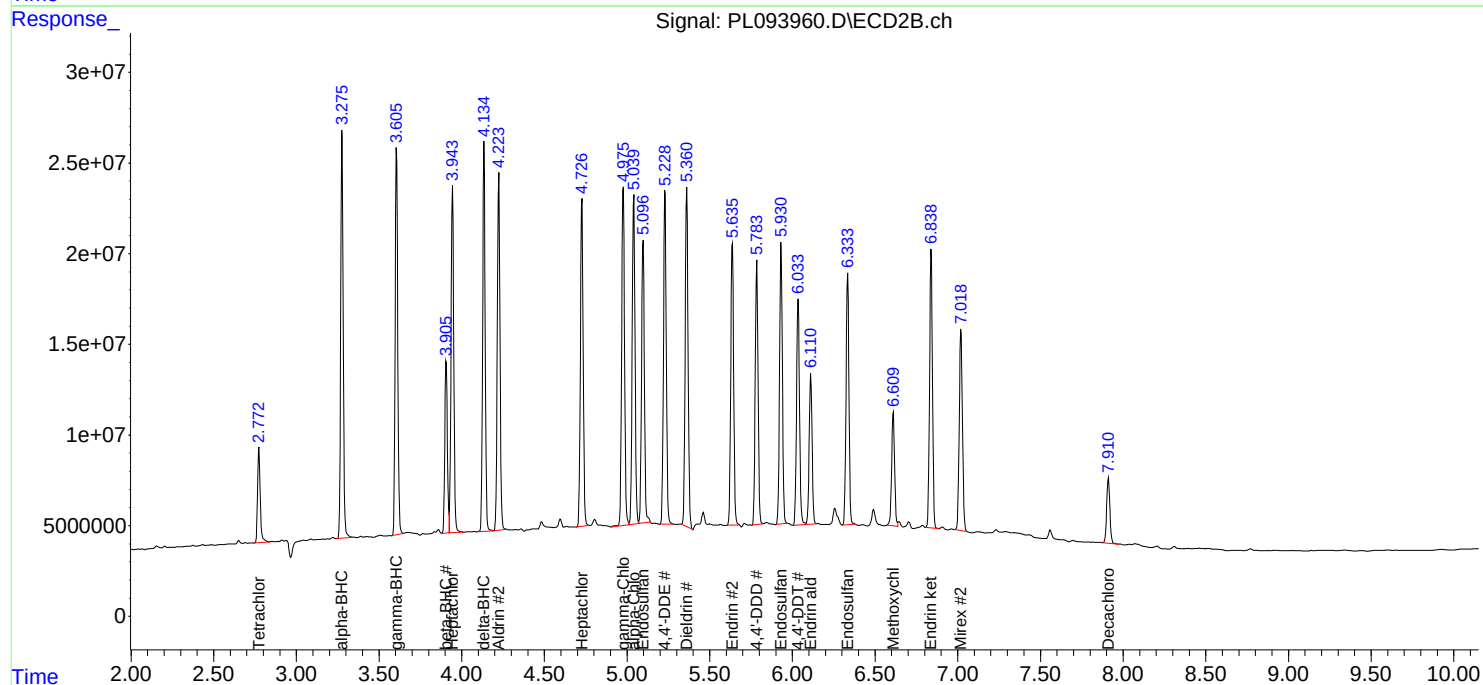
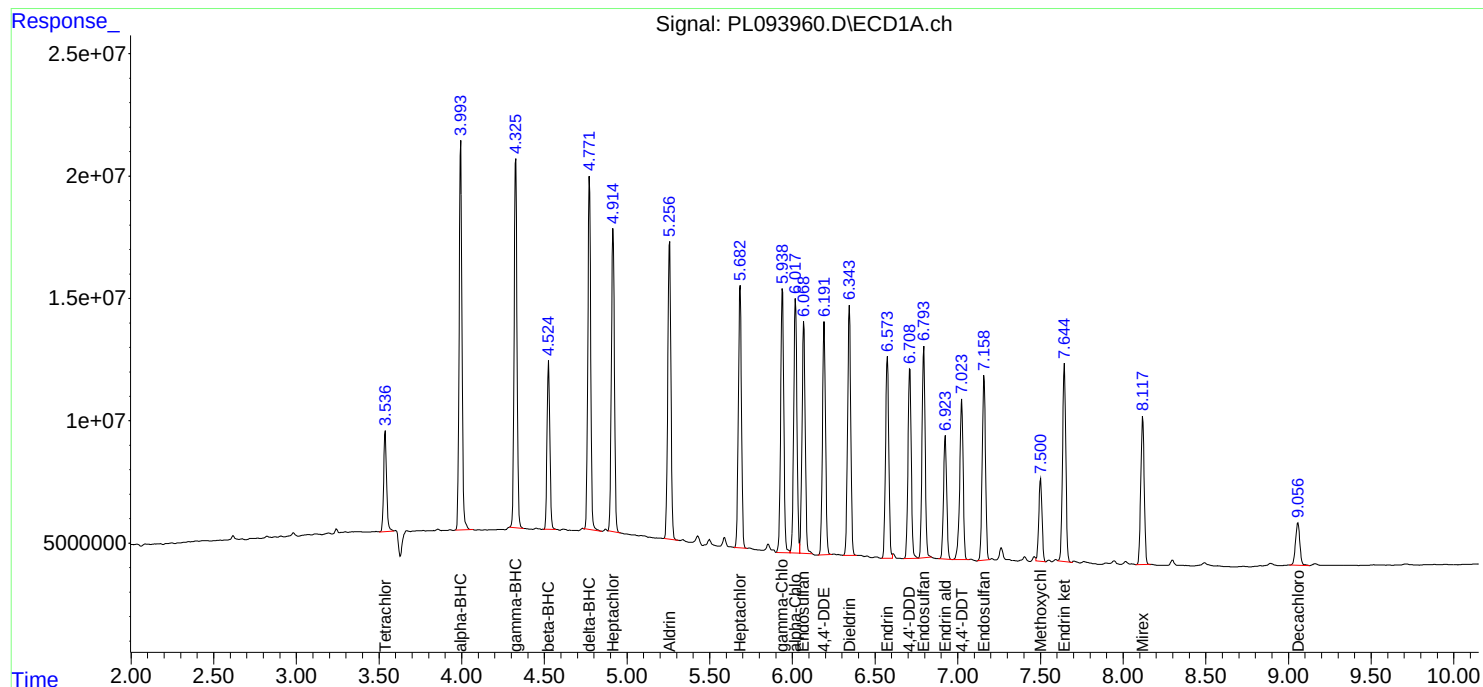
APPROVED

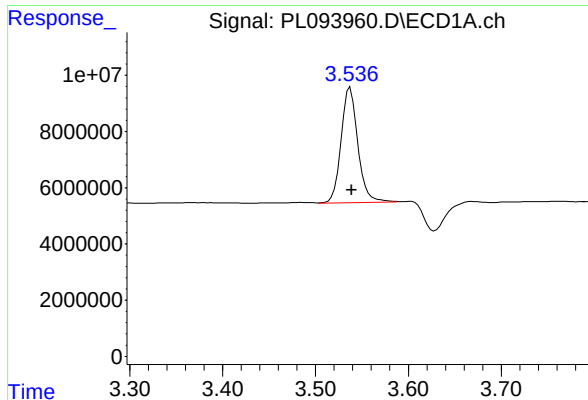
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:33:46 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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





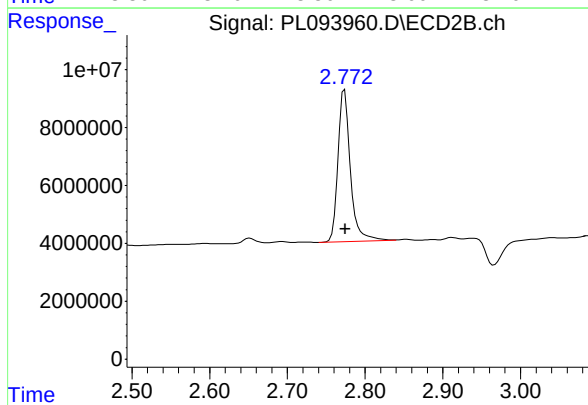
## #1 Tetrachloro-m-xylene

R.T.: 3.536 min  
Delta R.T.: -0.003 min  
Response: 51414596  
Conc: 19.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

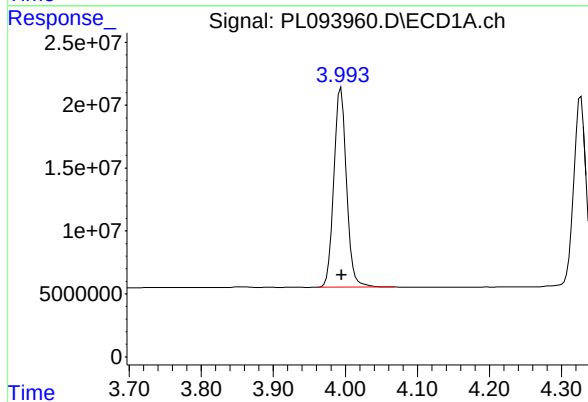
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



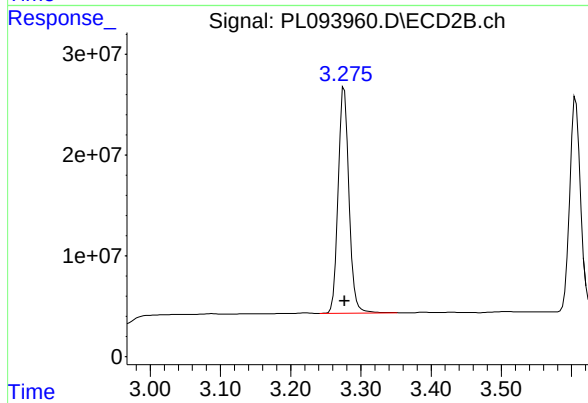
## #1 Tetrachloro-m-xylene

R.T.: 2.774 min  
Delta R.T.: 0.000 min  
Response: 58832338  
Conc: 18.02 ng/ml



## #2 alpha-BHC

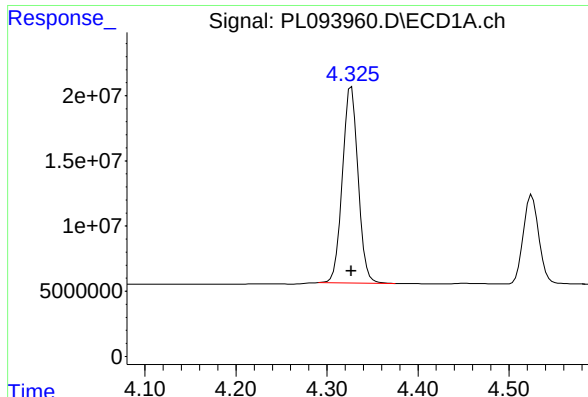
R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 191573060  
Conc: 49.97 ng/ml



## #2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: 0.000 min  
Response: 239216365  
Conc: 48.93 ng/ml





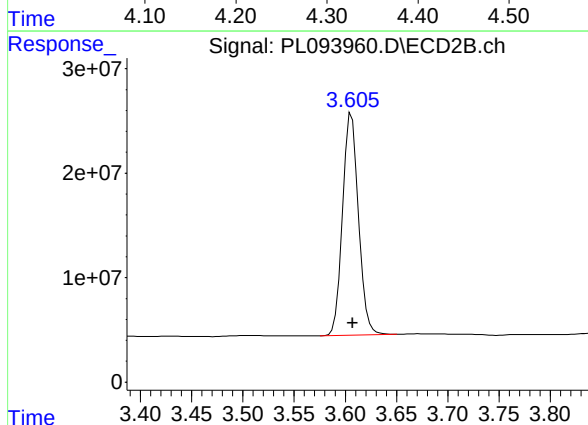
#3 gamma-BHC (Lindane)

R.T.: 4.327 min  
Delta R.T.: 0.000 min  
Response: 180414145  
Conc: 48.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

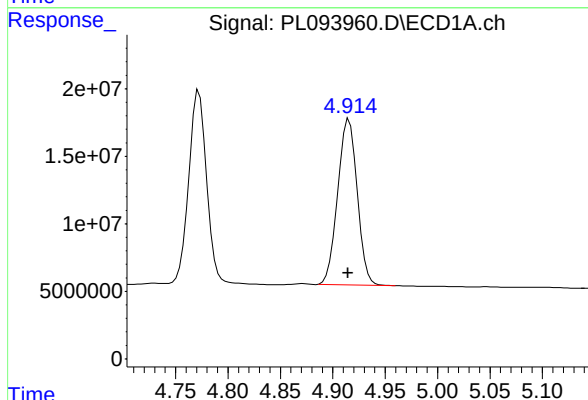
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



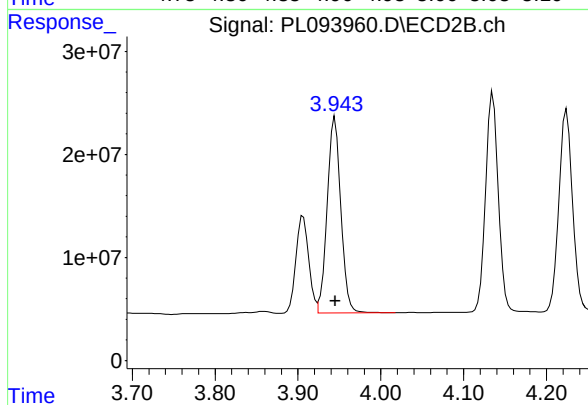
#3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: 0.000 min  
Response: 228406050  
Conc: 48.17 ng/ml



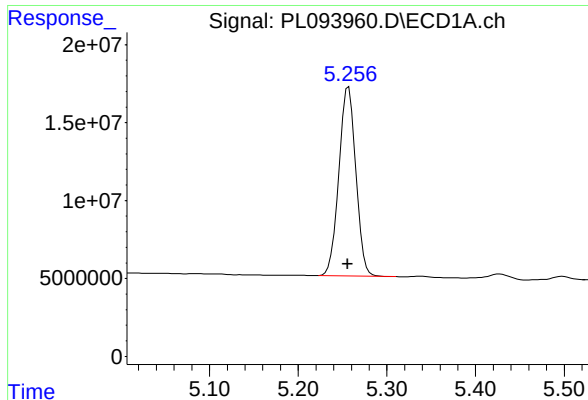
#4 Heptachlor

R.T.: 4.915 min  
Delta R.T.: 0.000 min  
Response: 159176402  
Conc: 48.57 ng/ml



#4 Heptachlor

R.T.: 3.945 min  
Delta R.T.: 0.000 min  
Response: 218328245  
Conc: 46.90 ng/ml



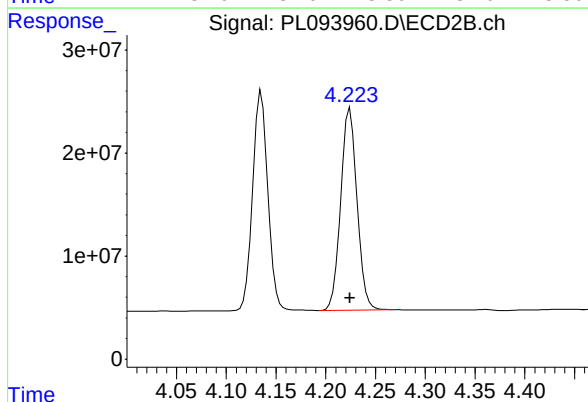
#5 Aldrin

R.T.: 5.257 min  
Delta R.T.: 0.001 min  
Response: 160983220  
Conc: 49.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

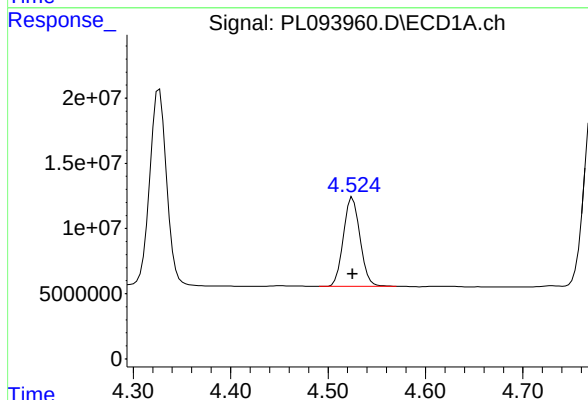
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



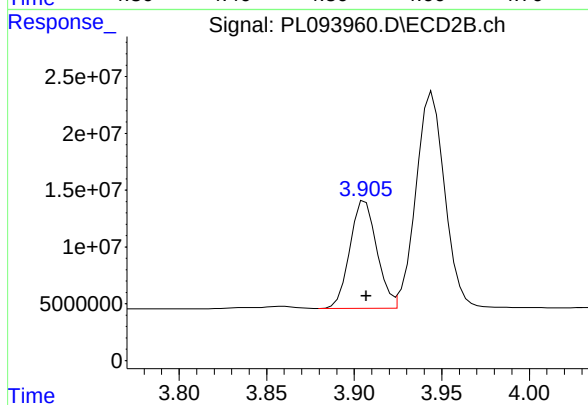
#5 Aldrin

R.T.: 4.224 min  
Delta R.T.: 0.000 min  
Response: 224056312  
Conc: 49.12 ng/ml



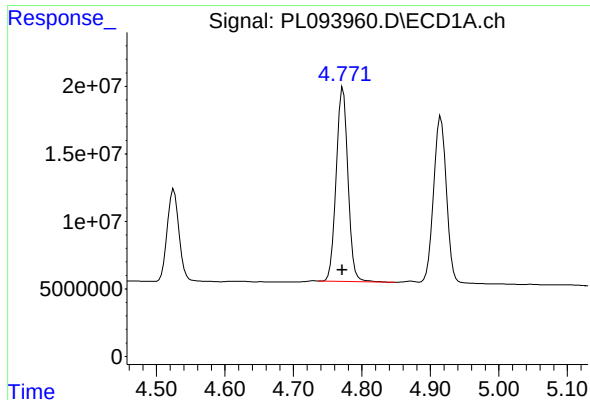
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 81072574  
Conc: 50.44 ng/ml



#6 beta-BHC

R.T.: 3.906 min  
Delta R.T.: 0.000 min  
Response: 101474057  
Conc: 50.80 ng/ml



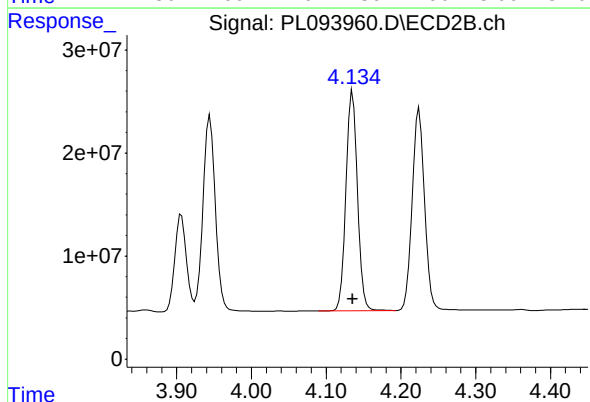
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 170885702  
Conc: 48.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

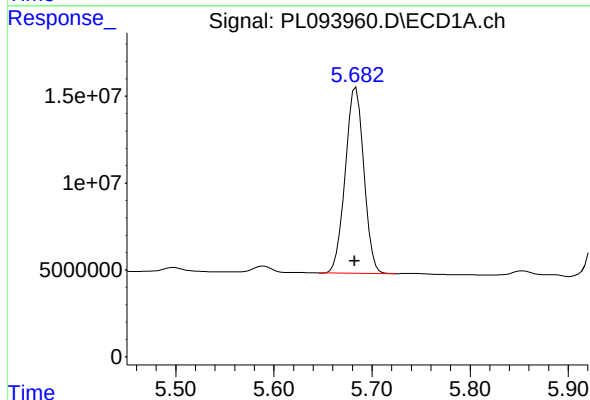
Manual Integrations  
APPROVED

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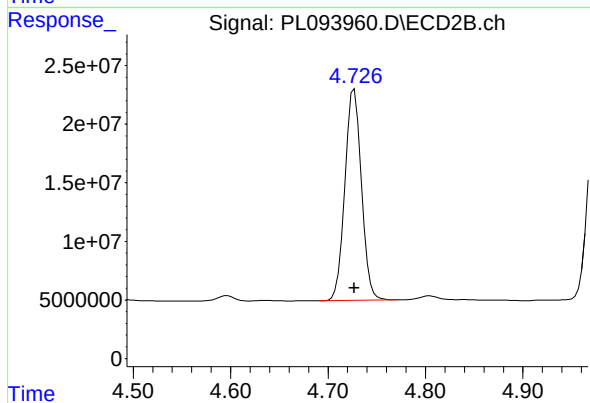
#7 delta-BHC

R.T.: 4.135 min  
Delta R.T.: 0.000 min  
Response: 228261078  
Conc: 48.04 ng/ml



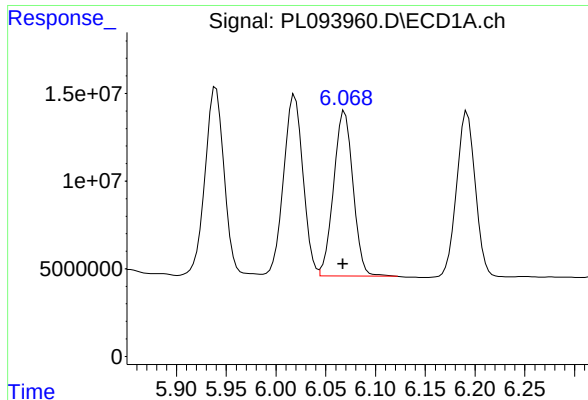
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: 0.001 min  
Response: 140679215  
Conc: 47.31 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min  
Delta R.T.: 0.000 min  
Response: 212784536  
Conc: 50.90 ng/ml



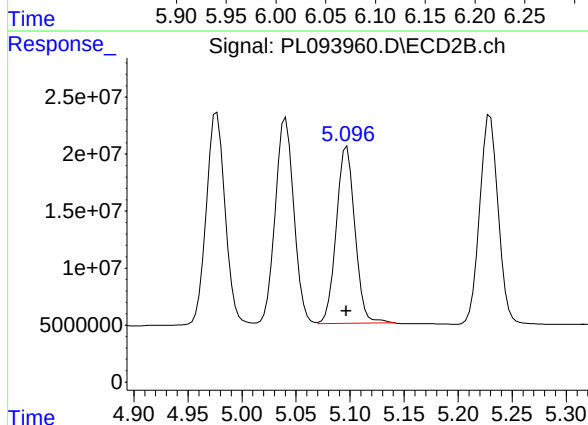
#9 Endosulfan I

R.T.: 6.069 min  
Delta R.T.: 0.002 min  
Response: 128231596  
Conc: 48.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

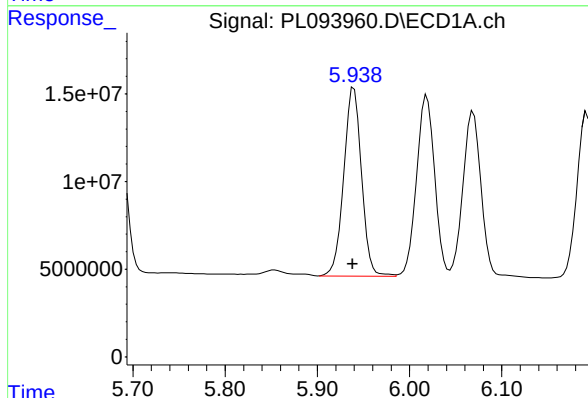
Manual Integrations  
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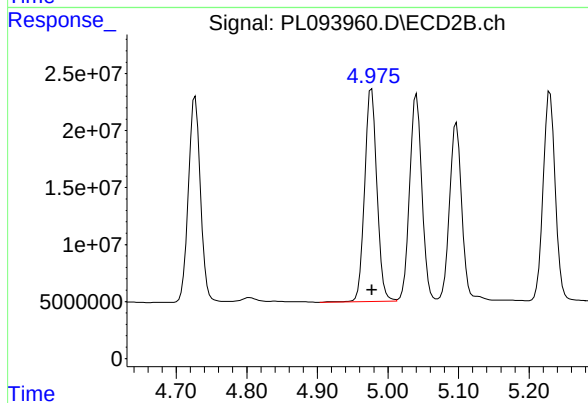
#9 Endosulfan I

R.T.: 5.097 min  
Delta R.T.: 0.000 min  
Response: 186197238  
Conc: 48.03 ng/ml



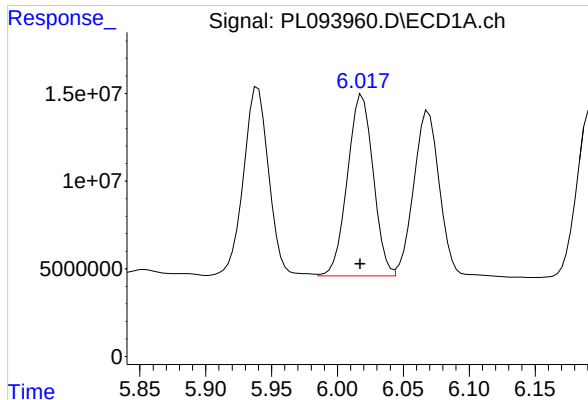
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.001 min  
Response: 143688480  
Conc: 51.55 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 226233417  
Conc: 53.39 ng/ml



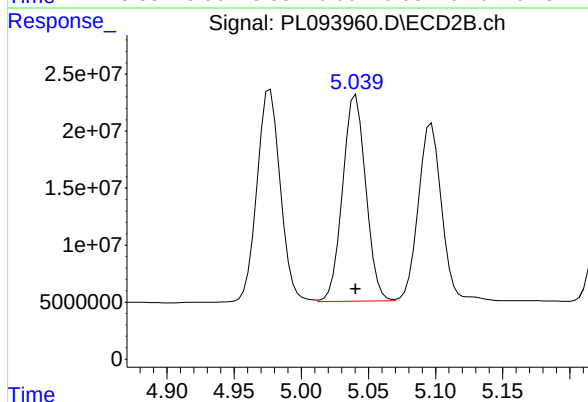
#11 alpha-Chlordane

R.T.: 6.019 min  
Delta R.T.: 0.002 min  
Response: 140783127  
Conc: 50.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

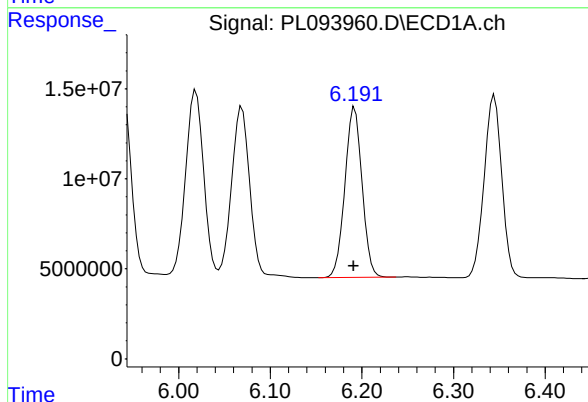
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



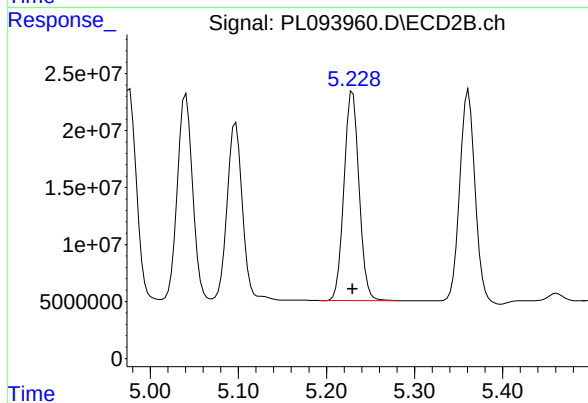
#11 alpha-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 217957882  
Conc: 52.06 ng/ml



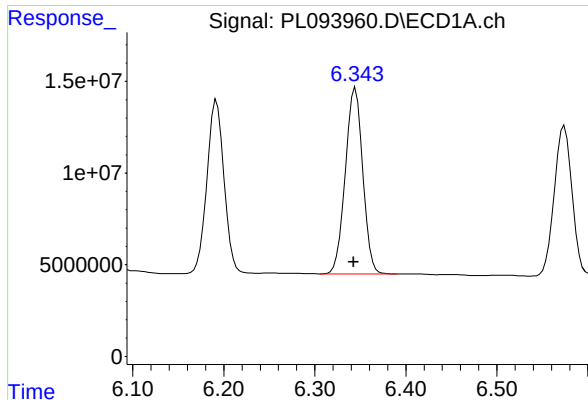
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 123663019  
Conc: 50.79 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min  
Delta R.T.: 0.000 min  
Response: 218364523  
Conc: 54.46 ng/ml



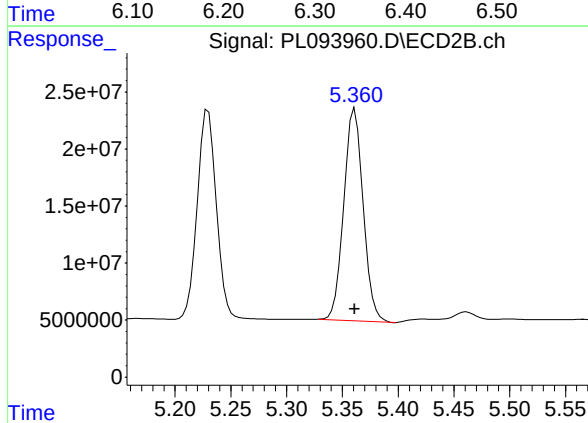
#13 Dieldrin

R.T.: 6.345 min  
Delta R.T.: 0.002 min  
Response: 135537422  
Conc: 48.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

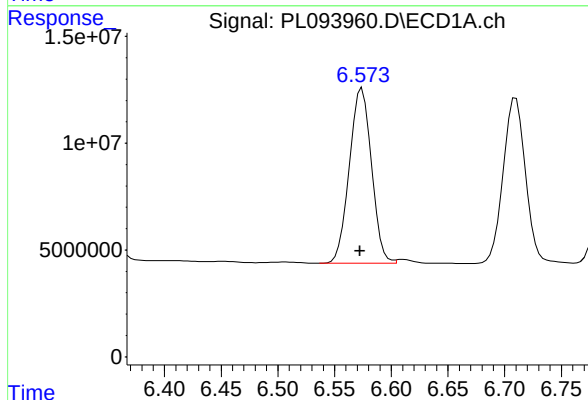
Manual Integrations  
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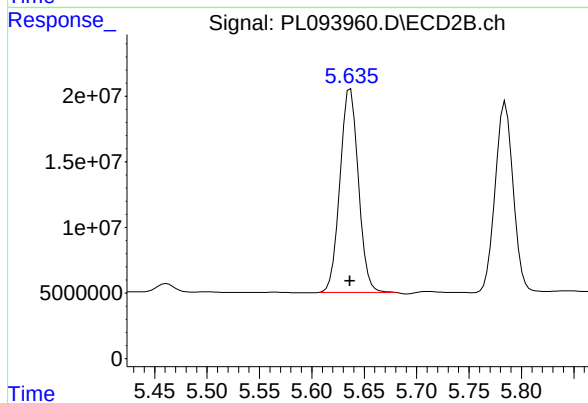
#13 Dieldrin

R.T.: 5.361 min  
Delta R.T.: 0.000 min  
Response: 224830219  
Conc: 52.34 ng/ml



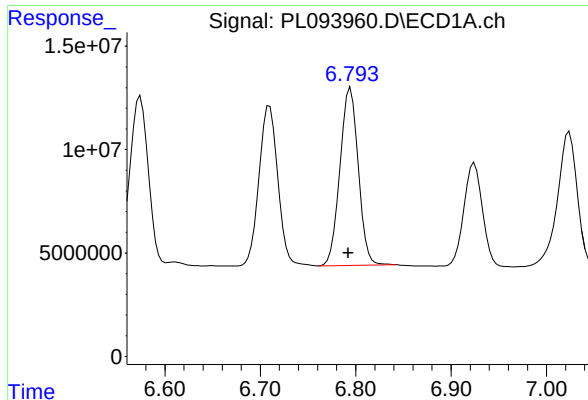
#14 Endrin

R.T.: 6.574 min  
Delta R.T.: 0.002 min  
Response: 111370119  
Conc: 47.50 ng/ml



#14 Endrin

R.T.: 5.637 min  
Delta R.T.: 0.000 min  
Response: 190373930  
Conc: 51.55 ng/ml



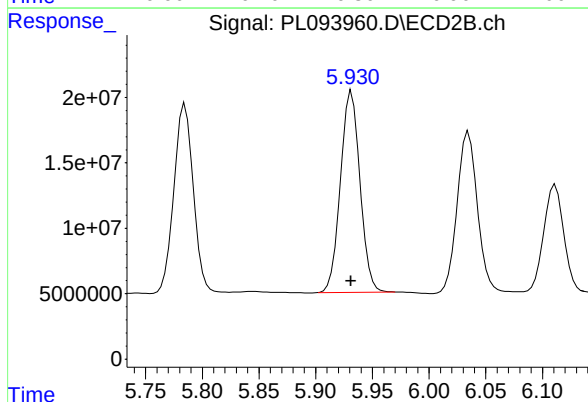
## #15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: 0.002 min  
Response: 114583644  
Conc: 47.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

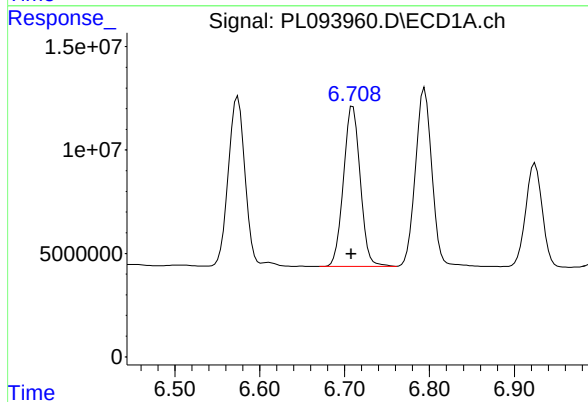
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



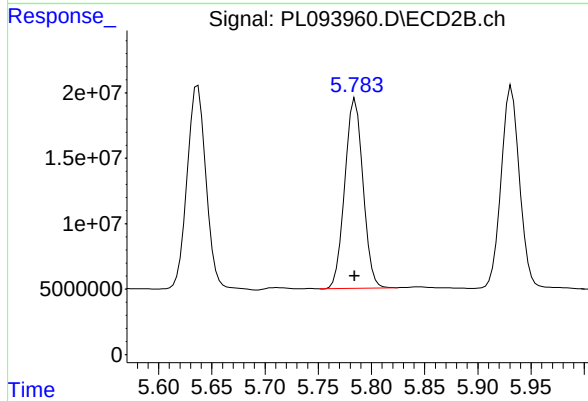
## #15 Endosulfan II

R.T.: 5.932 min  
Delta R.T.: 0.000 min  
Response: 184464053  
Conc: 49.80 ng/ml



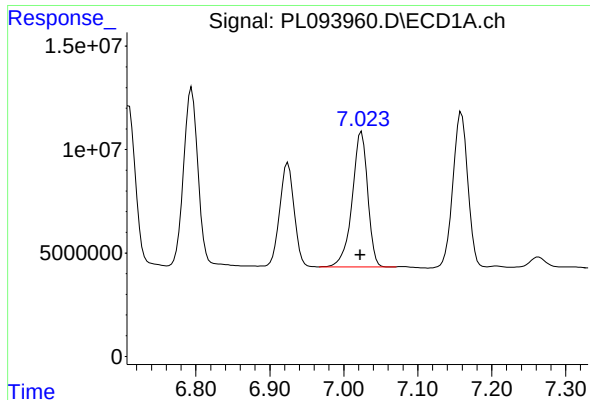
## #16 4,4'-DDD

R.T.: 6.710 min  
Delta R.T.: 0.002 min  
Response: 106527786  
Conc: 56.05 ng/ml



## #16 4,4'-DDD

R.T.: 5.785 min  
Delta R.T.: 0.000 min  
Response: 171850479  
Conc: 54.44 ng/ml



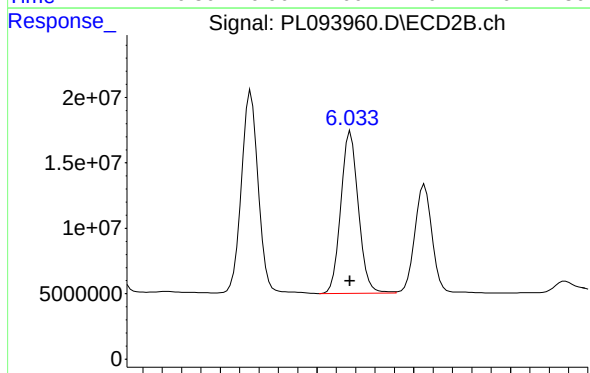
#17 4,4'-DDT

R.T.: 7.024 min  
Delta R.T.: 0.002 min  
Response: 94770168  
Conc: 48.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

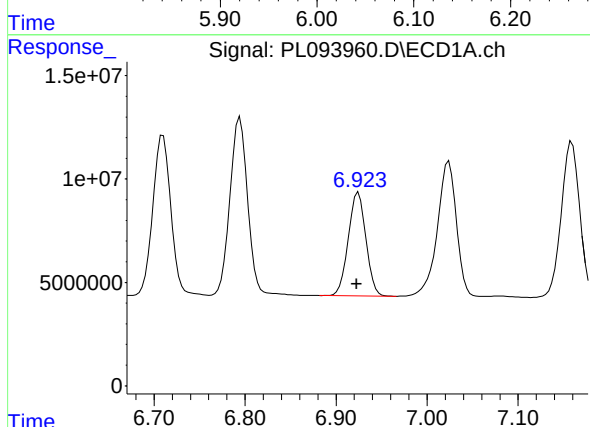
Manual Integrations  
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Supervised By :Ankita Jodhani 02/03/2025



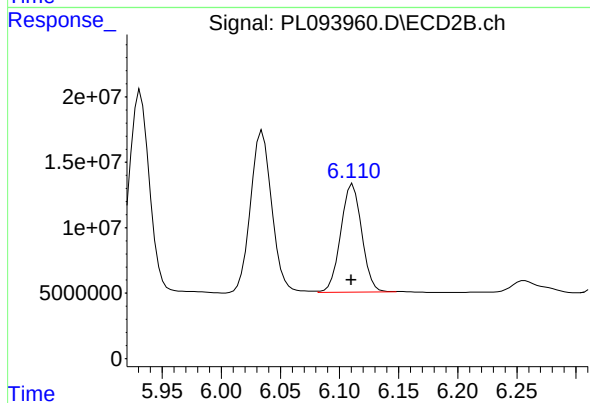
#17 4,4'-DDT

R.T.: 6.035 min  
Delta R.T.: 0.000 min  
Response: 155624195  
Conc: 47.82 ng/ml



#18 Endrin aldehyde

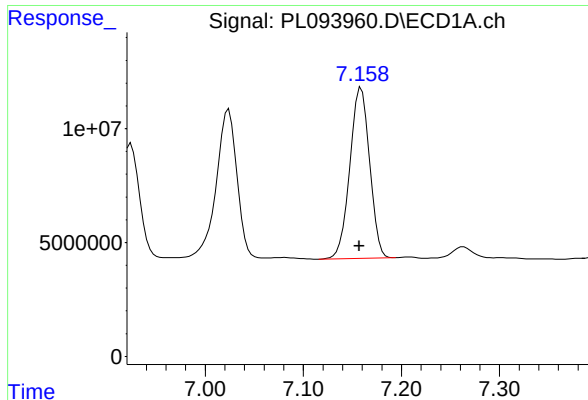
R.T.: 6.924 min  
Delta R.T.: 0.002 min  
Response: 67631389  
Conc: 34.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min  
Delta R.T.: 0.001 min  
Response: 102285489  
Conc: 33.60 ng/ml





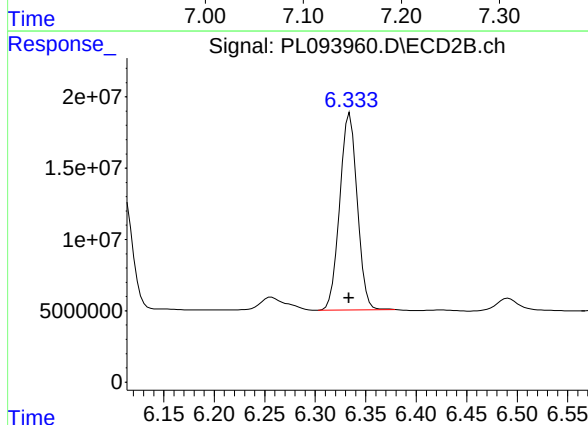
## #19 Endosulfan Sulfate

R.T.: 7.159 min  
Delta R.T.: 0.002 min  
Response: 105040812  
Conc: 46.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

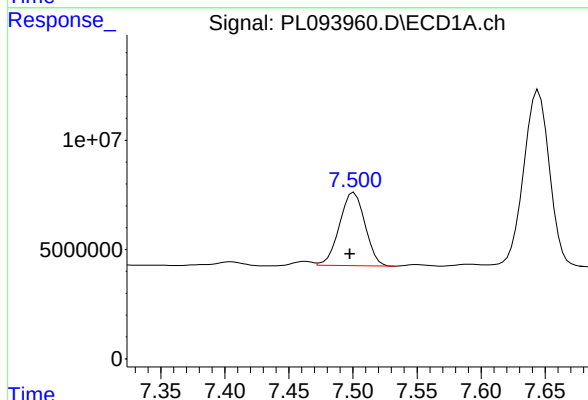
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



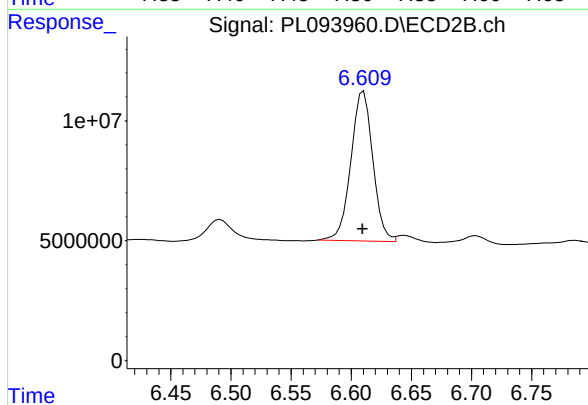
## #19 Endosulfan Sulfate

R.T.: 6.334 min  
Delta R.T.: 0.001 min  
Response: 166956037  
Conc: 46.82 ng/ml



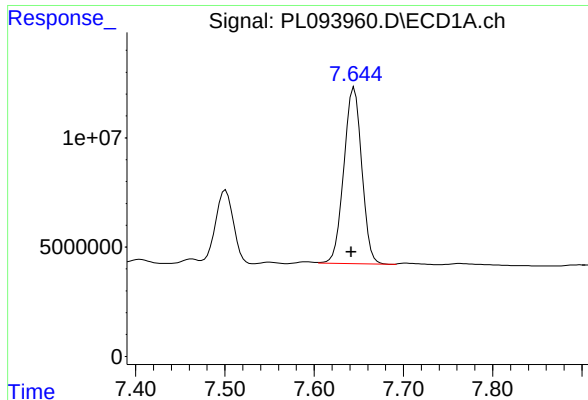
## #20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.002 min  
Response: 46323353  
Conc: 44.40 ng/ml m



## #20 Methoxychlor

R.T.: 6.610 min  
Delta R.T.: 0.001 min  
Response: 79508850  
Conc: 44.46 ng/ml



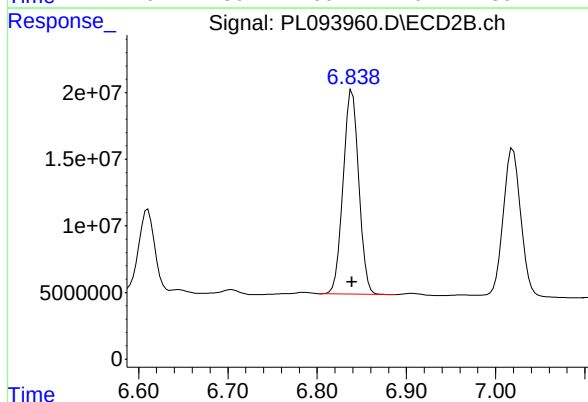
#21 Endrin ketone

R.T.: 7.645 min  
Delta R.T.: 0.003 min  
Response: 112229195  
Conc: 44.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

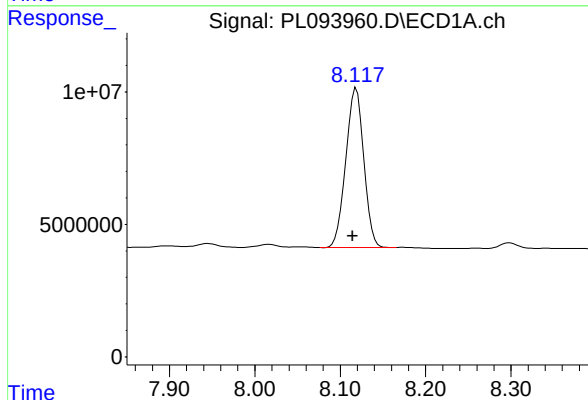
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



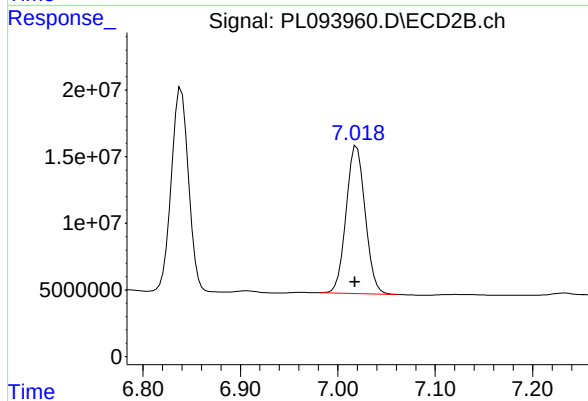
#21 Endrin ketone

R.T.: 6.839 min  
Delta R.T.: 0.000 min  
Response: 187096384  
Conc: 44.60 ng/ml



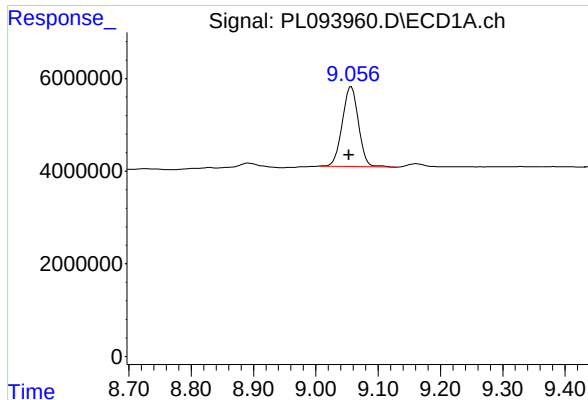
#22 Mirex

R.T.: 8.119 min  
Delta R.T.: 0.004 min  
Response: 88253104  
Conc: 42.38 ng/ml



#22 Mirex

R.T.: 7.019 min  
Delta R.T.: 0.002 min  
Response: 150055609  
Conc: 44.37 ng/ml



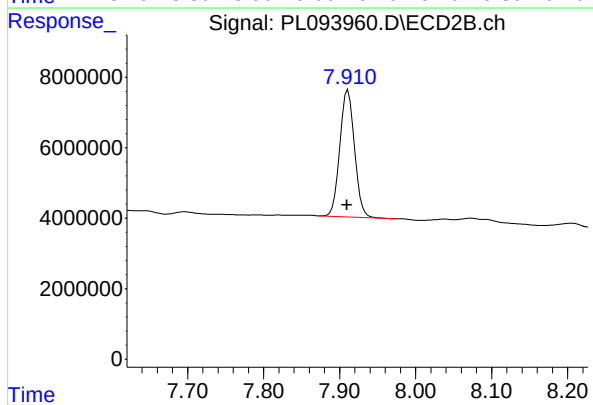
#28 Decachlorobiphenyl

R.T.: 9.057 min  
Delta R.T.: 0.004 min  
Response: 31279196  
Conc: 14.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.001 min  
Response: 48142245  
Conc: 13.74 ng/ml

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/30/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/30/25      |
| Client Sample ID:  | 357MSD                                | SDG No.:           | Q1242         |
| Lab Sample ID:     | Q1239-10MSD                           | Matrix:            | SOIL          |
| Analytical Method: | SW8081                                | % Solid:           | 84.8          |
| Sample Wt/Vol:     | 30.01                                 | 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 |
| PL093961.D        | 1         | 01/31/25 08:15 | 01/31/25 20:45 | PB166413      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 19.8  |           | 0.21     | 2.00       | ug/kg             |
| 319-85-7          | beta-BHC             | 20.1  |           | 0.58     | 2.00       | ug/kg             |
| 319-86-8          | delta-BHC            | 20.0  |           | 0.55     | 2.00       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 19.4  |           | 0.22     | 2.00       | ug/kg             |
| 76-44-8           | Heptachlor           | 20.3  |           | 0.20     | 2.00       | ug/kg             |
| 309-00-2          | Aldrin               | 19.5  |           | 0.17     | 2.00       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 20.0  |           | 0.27     | 2.00       | ug/kg             |
| 959-98-8          | Endosulfan I         | 19.5  |           | 0.20     | 2.00       | ug/kg             |
| 60-57-1           | Dieldrin             | 20.6  |           | 0.18     | 2.00       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 21.4  |           | 0.15     | 2.00       | ug/kg             |
| 72-20-8           | Endrin               | 20.9  |           | 0.19     | 2.00       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 20.1  |           | 0.35     | 2.00       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 22.2  |           | 0.22     | 2.00       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 19.7  |           | 0.15     | 2.00       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 20.5  |           | 0.20     | 2.00       | ug/kg             |
| 72-43-5           | Methoxychlor         | 19.8  |           | 0.45     | 2.00       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 18.8  |           | 0.26     | 2.00       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 18.7  |           | 0.46     | 2.00       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 20.6  |           | 0.20     | 2.00       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 20.9  |           | 0.22     | 2.00       | ug/kg             |
| 8001-35-2         | Toxaphene            | 38.9  | U         | 6.20     | 38.9       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 15.4  |           | 10 - 148 | 77%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 18.7  |           | 10 - 159 | 93%        | SPK: 20           |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/30/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/30/25      |
| Client Sample ID:  | 357MSD                                | SDG No.:           | Q1242         |
| Lab Sample ID:     | Q1239-10MSD                           | Matrix:            | SOIL          |
| Analytical Method: | SW8081                                | % Solid:           | 84.8          |
| Sample Wt/Vol:     | 30.01                                 | 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 |
| PL093961.D        | 1         | 01/31/25 08:15 | 01/31/25 20:45 | PB166413      |

| 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\PL013125\  
 Data File : PL093961.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jan 2025 20:45  
 Operator : AR\AJ  
 Sample : Q1239-10MSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

357MSD

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 01 00:34:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 21 14:58:05 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...          | 3.536 | 2.773 | 50300528 | 58521224 | 18.680m | 17.928  |
| 28) SA Decachlor...         | 9.056 | 7.911 | 32207548 | 47799485 | 15.396  | 13.641  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.993 | 3.276 | 193.1E6  | 241.4E6  | 50.362  | 49.377  |
| 3) MA gamma-BHC...          | 4.326 | 3.606 | 181.6E6  | 231.1E6  | 49.311  | 48.750  |
| 4) MA Heptachlor            | 4.914 | 3.944 | 169.1E6  | 232.1E6  | 51.608  | 49.869  |
| 5) MB Aldrin                | 5.256 | 4.223 | 162.2E6  | 223.9E6  | 49.585  | 49.085  |
| 6) B beta-BHC               | 4.525 | 3.906 | 82285429 | 101.8E6  | 51.194  | 50.971  |
| 7) B delta-BHC              | 4.772 | 4.134 | 178.5E6  | 234.6E6  | 50.937  | 49.368  |
| 8) B Heptachlo...           | 5.683 | 4.726 | 142.9E6  | 212.5E6  | 48.061  | 50.825  |
| 9) A Endosulfan I           | 6.069 | 5.096 | 131.1E6  | 190.7E6  | 49.609  | 49.182  |
| 10) B gamma-Chl...          | 5.939 | 4.975 | 142.5E6  | 225.5E6  | 51.108  | 53.213m |
| 11) B alpha-Chl...          | 6.018 | 5.040 | 142.0E6  | 219.5E6  | 50.916  | 52.436  |
| 12) B 4,4'-DDE              | 6.192 | 5.229 | 124.0E6  | 218.9E6  | 50.915  | 54.583  |
| 13) MA Dieldrin             | 6.344 | 5.360 | 135.7E6  | 225.5E6  | 48.886  | 52.484  |
| 14) MA Endrin               | 6.572 | 5.635 | 113.5E6  | 196.2E6  | 48.400m | 53.138m |
| 15) B Endosulfa...          | 6.794 | 5.931 | 118.0E6  | 189.3E6  | 48.982  | 51.113  |
| 16) A 4,4'-DDD              | 6.708 | 5.784 | 107.3E6  | 173.5E6  | 56.444m | 54.951  |
| 17) MA 4,4'-DDT             | 7.023 | 6.034 | 102.7E6  | 169.1E6  | 52.056  | 51.970  |
| 18) B Endrin al...          | 6.924 | 6.110 | 92653355 | 144.8E6  | 47.660  | 47.566  |
| 19) B Endosulfa...          | 7.159 | 6.333 | 109.0E6  | 178.8E6  | 48.131  | 50.138  |
| 20) A Methoxychlor          | 7.500 | 6.609 | 52631768 | 89126412 | 50.443  | 49.843  |
| 21) B Endrin ke...          | 7.644 | 6.838 | 121.0E6  | 200.4E6  | 47.957  | 47.780  |
| 22) Mirex                   | 8.117 | 7.019 | 88327251 | 149.6E6  | 42.414  | 44.228  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL013125\  
Data File : PL093961.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Jan 2025 20:45  
Operator : AR\AJ  
Sample : Q1239-10MSD  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

357MSD

## Manual Integrations

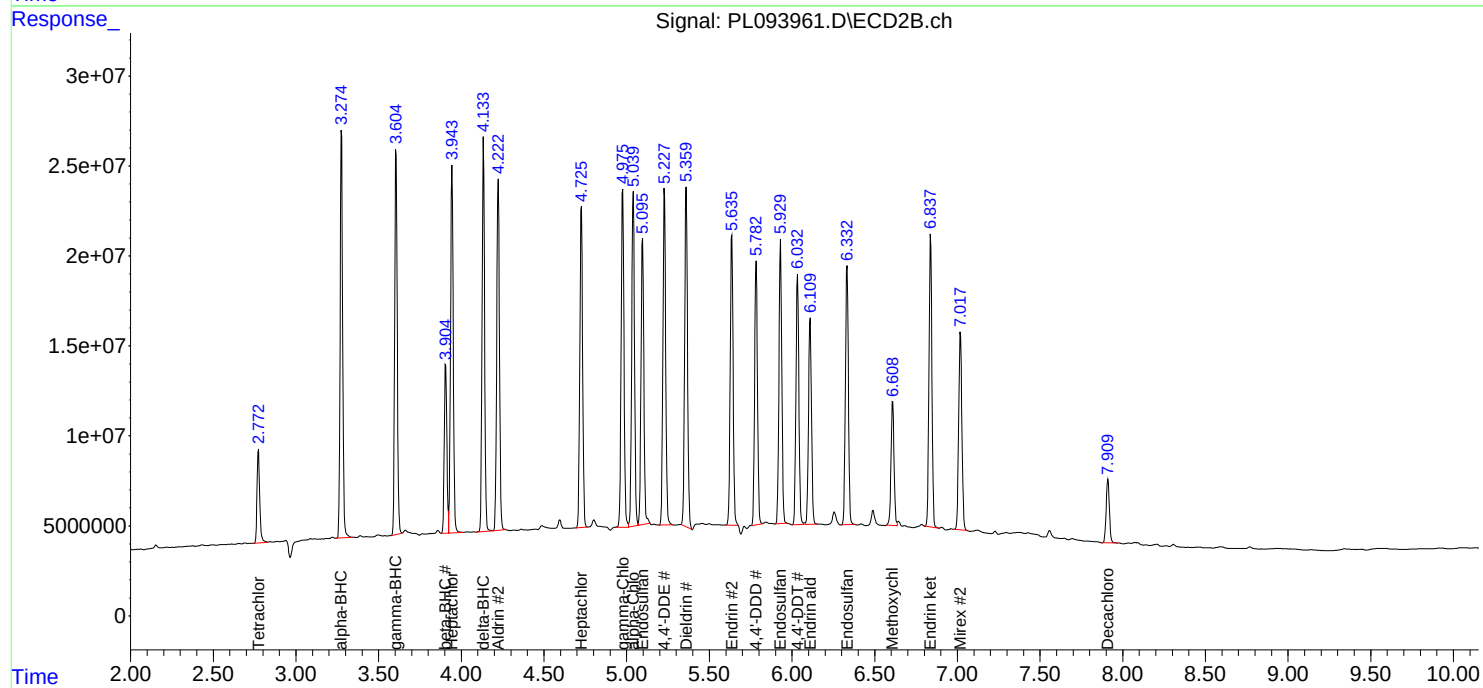
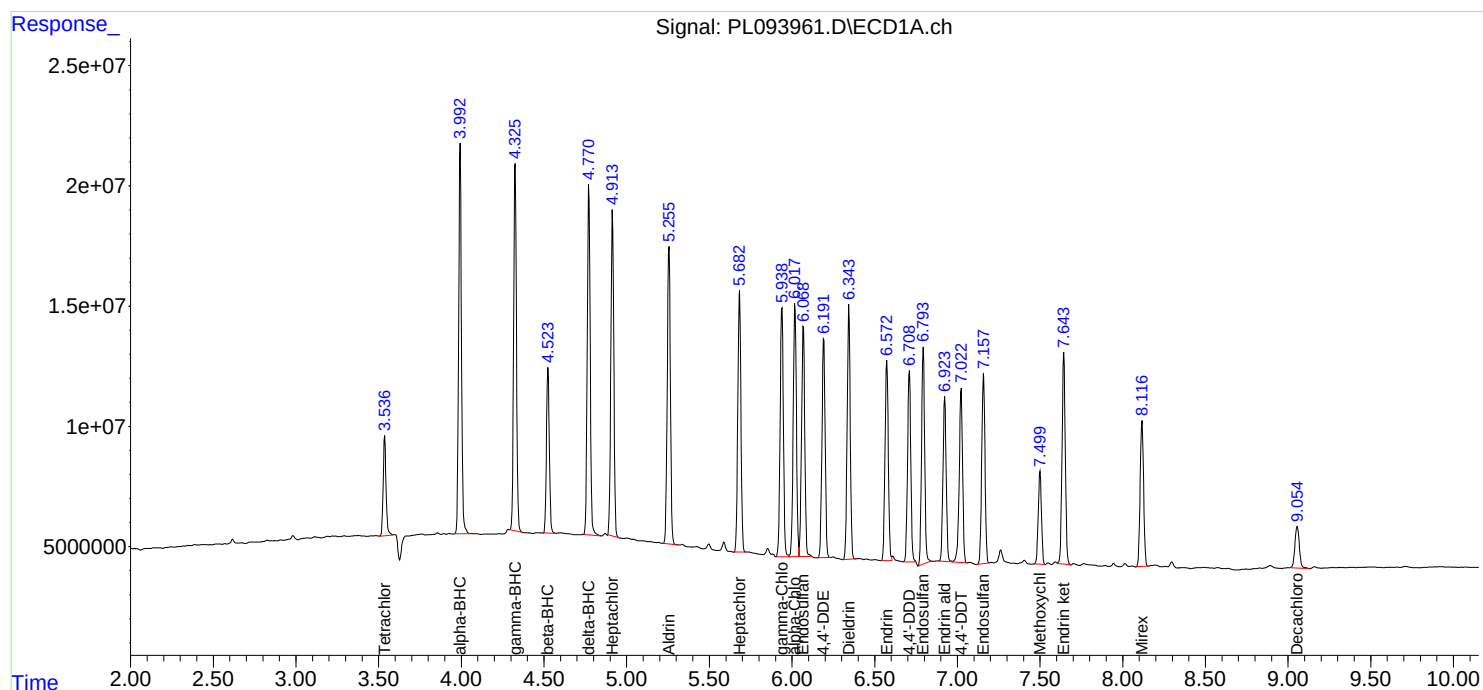
APPROVED

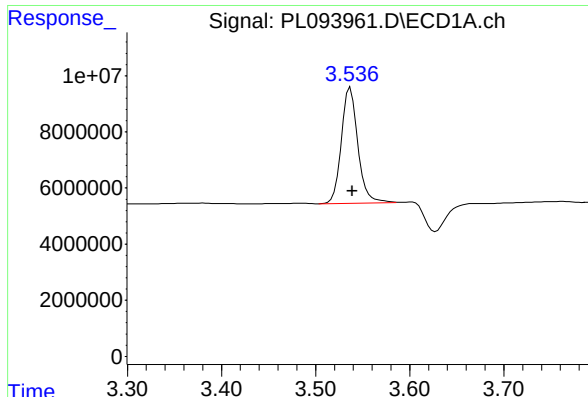
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 01 00:34:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 21 14:58:05 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





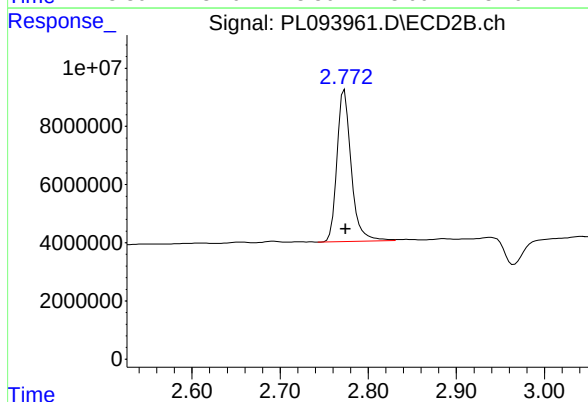
#1 Tetrachloro-m-xylene

R.T.: 3.536 min  
Delta R.T.: -0.003 min  
Response: 50300528  
Conc: 18.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

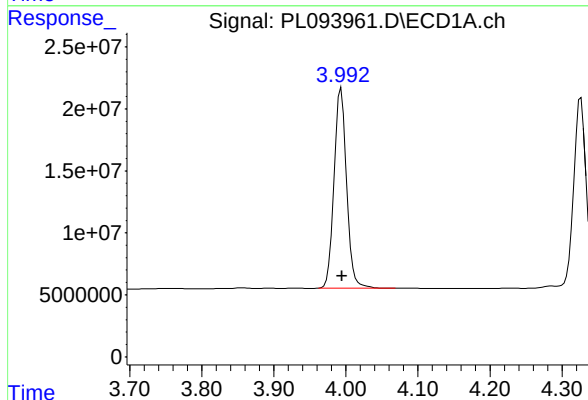
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



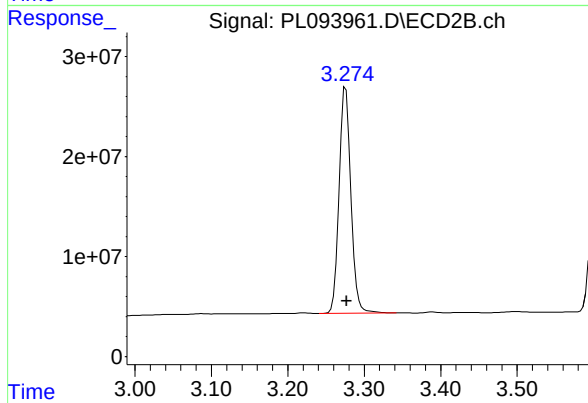
#1 Tetrachloro-m-xylene

R.T.: 2.773 min  
Delta R.T.: -0.001 min  
Response: 58521224  
Conc: 17.93 ng/ml



#2 alpha-BHC

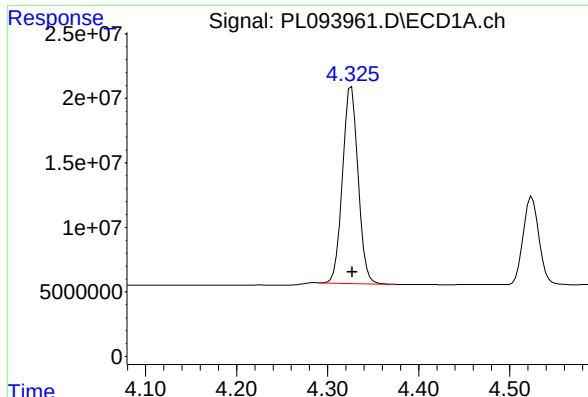
R.T.: 3.993 min  
Delta R.T.: -0.001 min  
Response: 193081300  
Conc: 50.36 ng/ml



#2 alpha-BHC

R.T.: 3.276 min  
Delta R.T.: -0.001 min  
Response: 241401784  
Conc: 49.38 ng/ml





#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 181606158  
Conc: 49.31 ng/ml

Instrument :

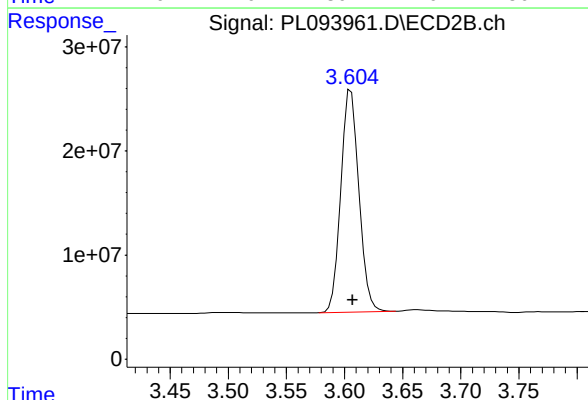
ECD\_L

ClientSampleId :

357MSD

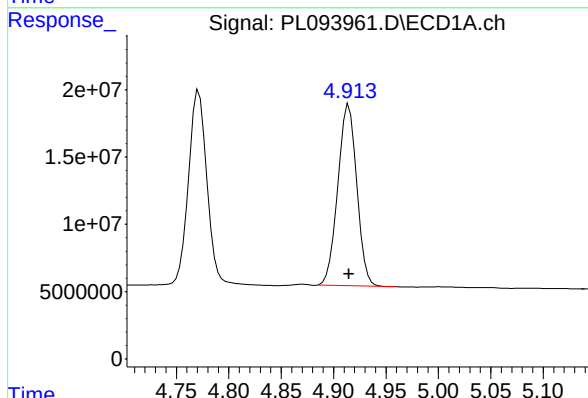
Manual Integrations  
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Supervised By :Ankita Jodhani 02/03/2025



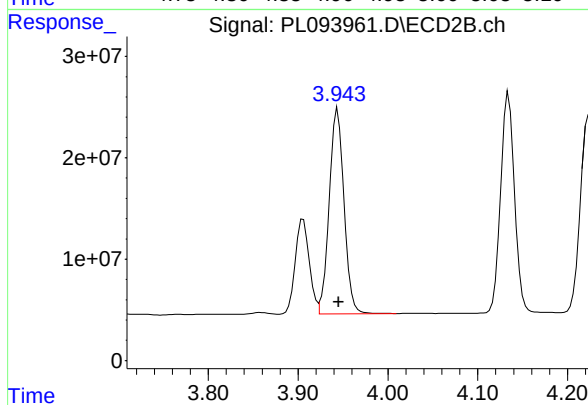
#3 gamma-BHC (Lindane)

R.T.: 3.606 min  
Delta R.T.: -0.001 min  
Response: 231135430  
Conc: 48.75 ng/ml



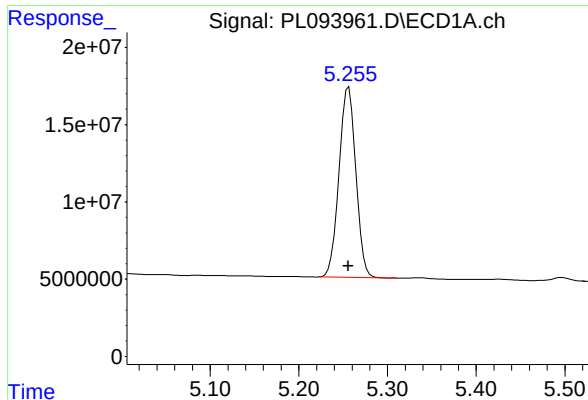
#4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 169137974  
Conc: 51.61 ng/ml



#4 Heptachlor

R.T.: 3.944 min  
Delta R.T.: -0.001 min  
Response: 232129771  
Conc: 49.87 ng/ml



#5 Aldrin

R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 162239210  
Conc: 49.58 ng/ml

Instrument :

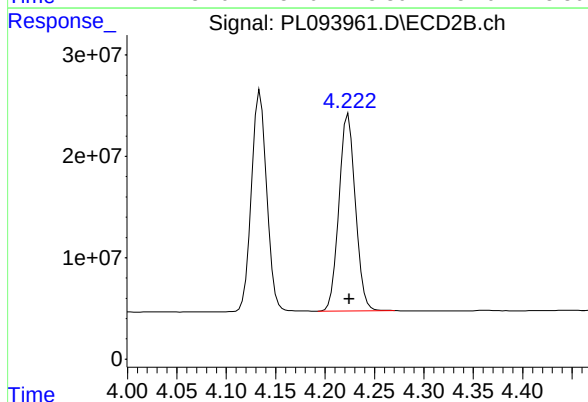
ECD\_L

ClientSampleId :

357MSD

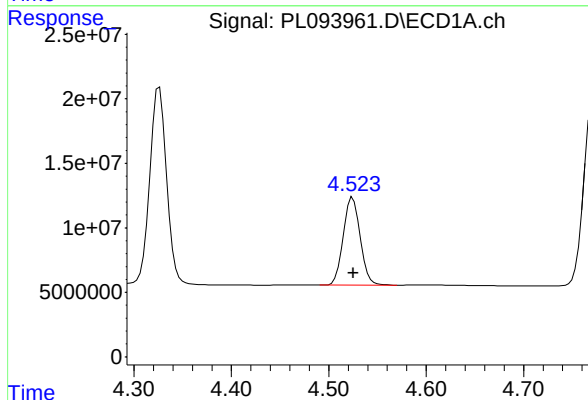
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 02/03/2025



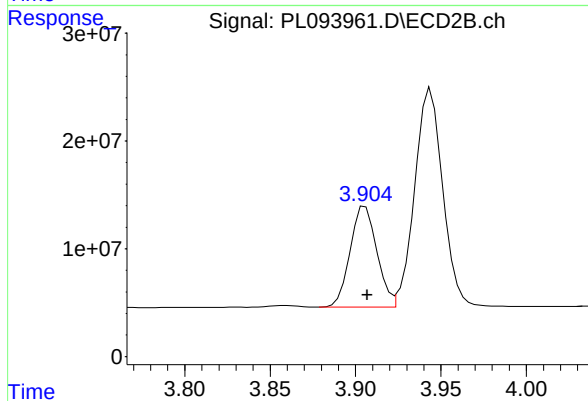
#5 Aldrin

R.T.: 4.223 min  
Delta R.T.: -0.001 min  
Response: 223914541  
Conc: 49.08 ng/ml



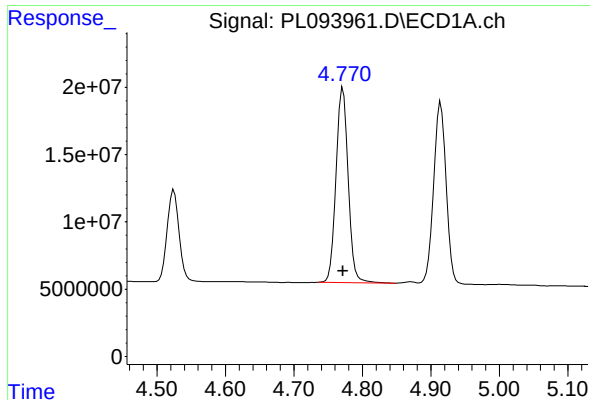
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 82285429  
Conc: 51.19 ng/ml



#6 beta-BHC

R.T.: 3.906 min  
Delta R.T.: -0.001 min  
Response: 101811998  
Conc: 50.97 ng/ml



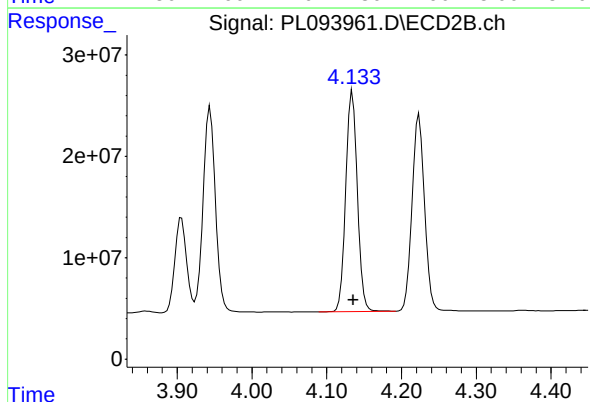
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 178547228  
Conc: 50.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

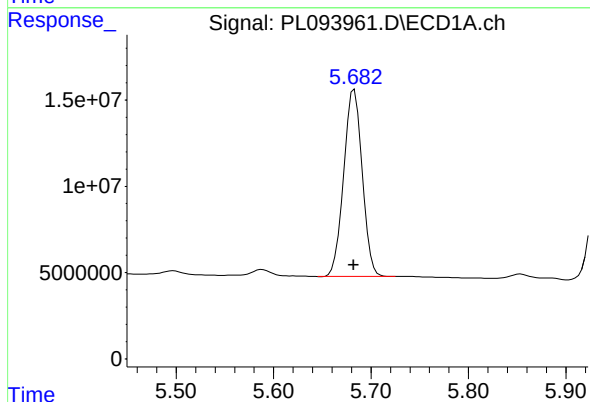
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



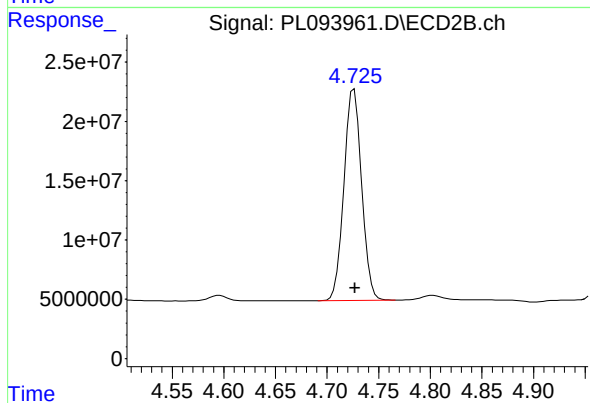
#7 delta-BHC

R.T.: 4.134 min  
Delta R.T.: -0.001 min  
Response: 234560895  
Conc: 49.37 ng/ml



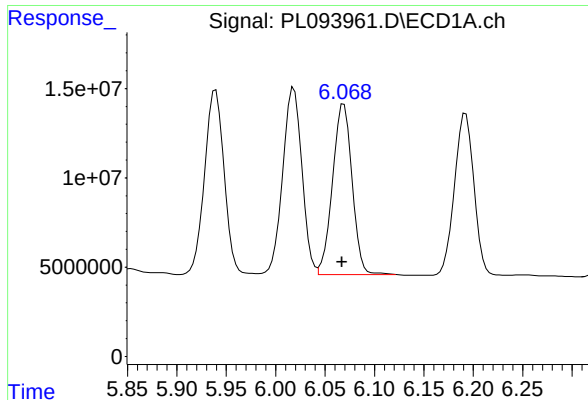
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 142925303  
Conc: 48.06 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min  
Delta R.T.: 0.000 min  
Response: 212460541  
Conc: 50.82 ng/ml



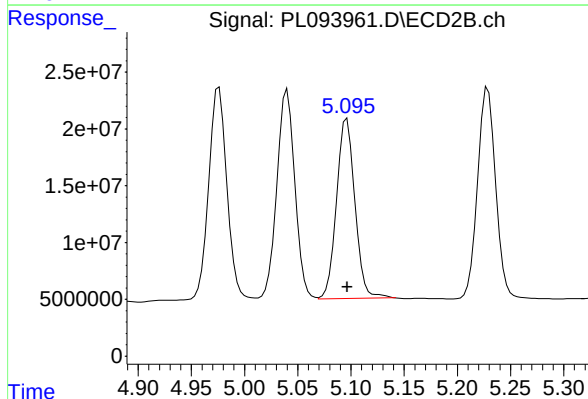
#9 Endosulfan I

R.T.: 6.069 min  
Delta R.T.: 0.002 min  
Response: 131110254  
Conc: 49.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

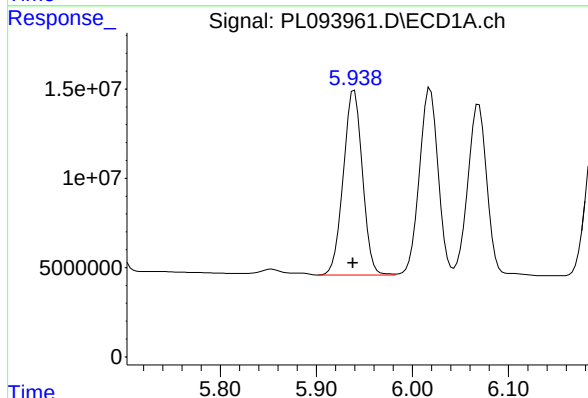
Manual Integrations  
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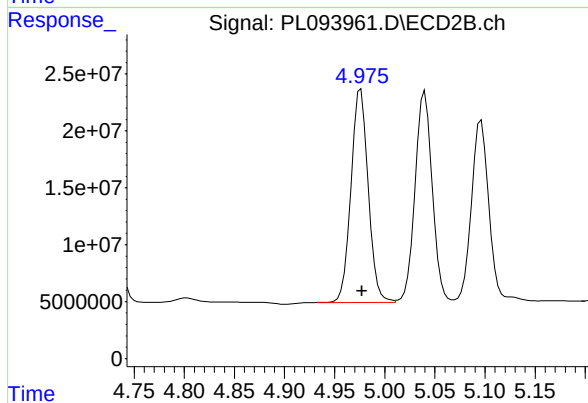
#9 Endosulfan I

R.T.: 5.096 min  
Delta R.T.: 0.000 min  
Response: 190673728  
Conc: 49.18 ng/ml



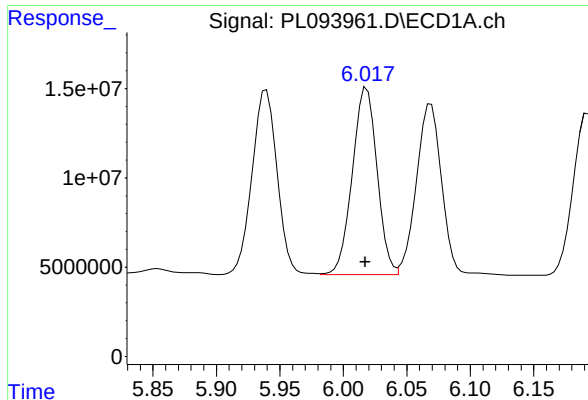
#10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.001 min  
Response: 142457749  
Conc: 51.11 ng/ml



#10 gamma-Chlordane

R.T.: 4.975 min  
Delta R.T.: -0.002 min  
Response: 225497434  
Conc: 53.21 ng/ml m



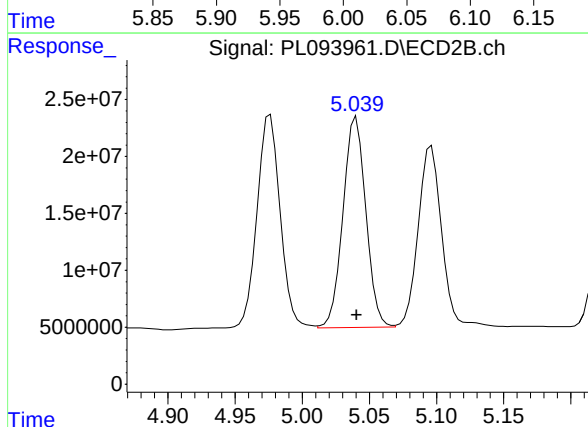
#11 alpha-Chlordane

R.T.: 6.018 min  
Delta R.T.: 0.001 min  
Response: 141973735  
Conc: 50.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

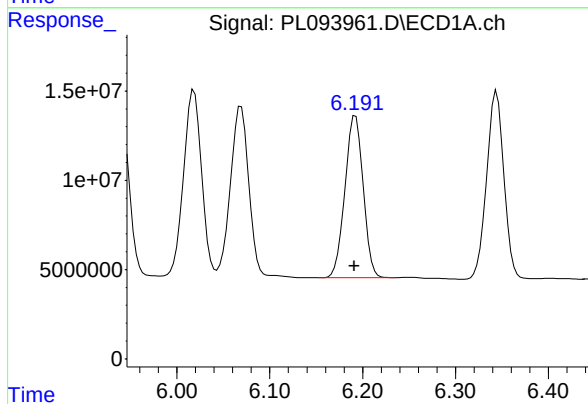
Manual Integrations  
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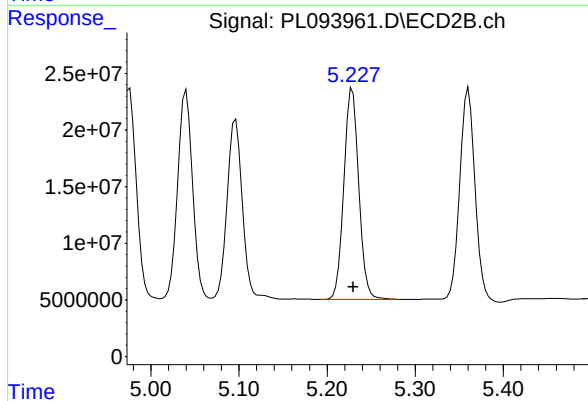
#11 alpha-Chlordane

R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 219526442  
Conc: 52.44 ng/ml



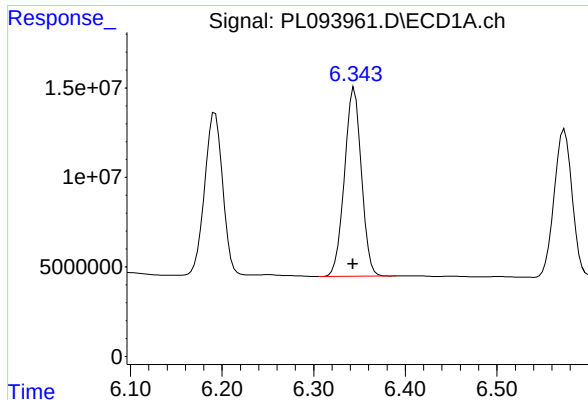
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: 0.001 min  
Response: 123956358  
Conc: 50.91 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min  
Delta R.T.: 0.000 min  
Response: 218850428  
Conc: 54.58 ng/ml



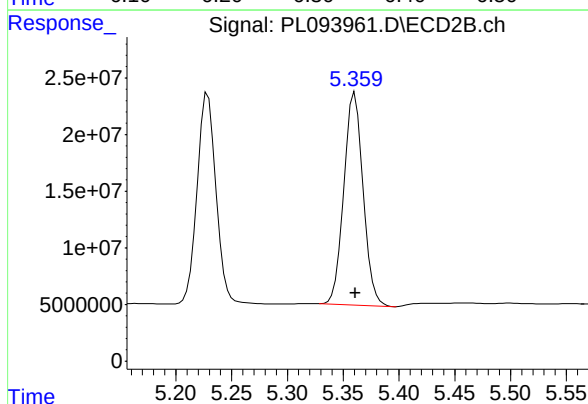
#13 Dieldrin

R.T.: 6.344 min  
Delta R.T.: 0.002 min  
Response: 135700909  
Conc: 48.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

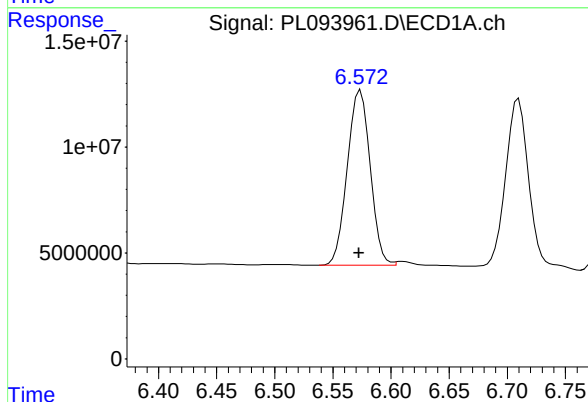
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



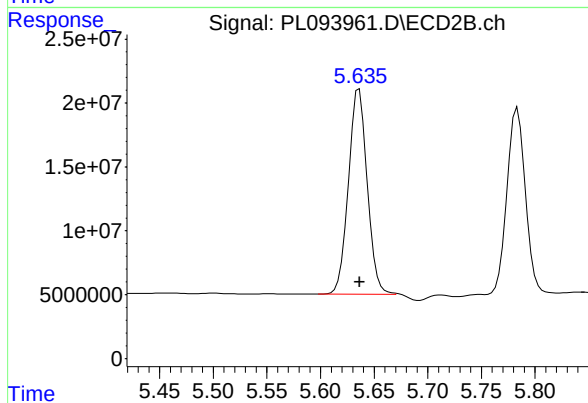
#13 Dieldrin

R.T.: 5.360 min  
Delta R.T.: 0.000 min  
Response: 225450604  
Conc: 52.48 ng/ml



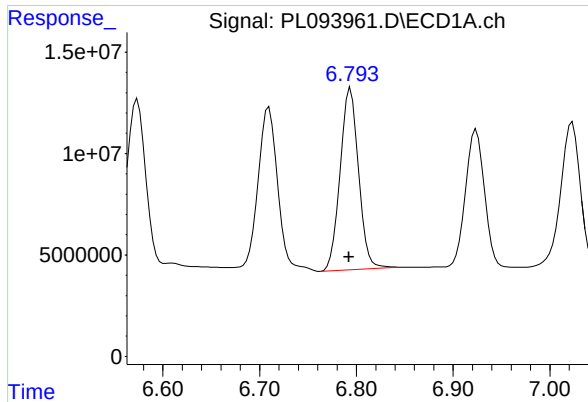
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 113489417  
Conc: 48.40 ng/ml m



#14 Endrin

R.T.: 5.635 min  
Delta R.T.: -0.002 min  
Response: 196220745  
Conc: 53.14 ng/ml m



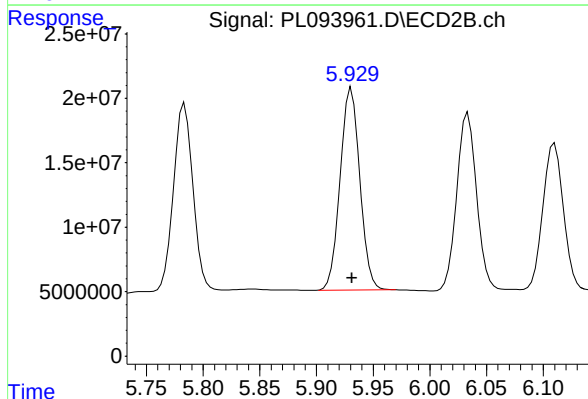
#15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: 0.002 min  
Response: 118015882  
Conc: 48.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

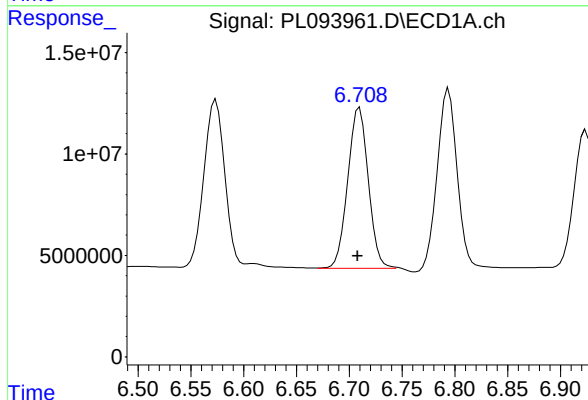
Manual Integrations  
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Reviewed By :Abdul Mirza 02/03/2025  
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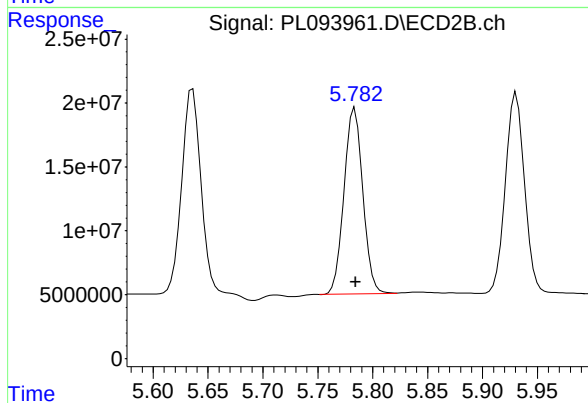
#15 Endosulfan II

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 189315492  
Conc: 51.11 ng/ml



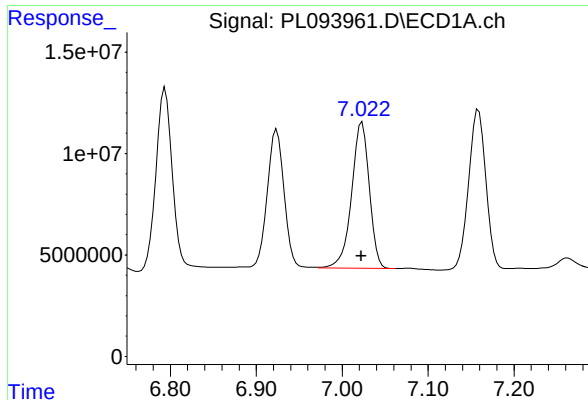
#16 4,4'-DDD

R.T.: 6.708 min  
Delta R.T.: 0.000 min  
Response: 107274421  
Conc: 56.44 ng/ml m



#16 4,4'-DDD

R.T.: 5.784 min  
Delta R.T.: 0.000 min  
Response: 173455259  
Conc: 54.95 ng/ml



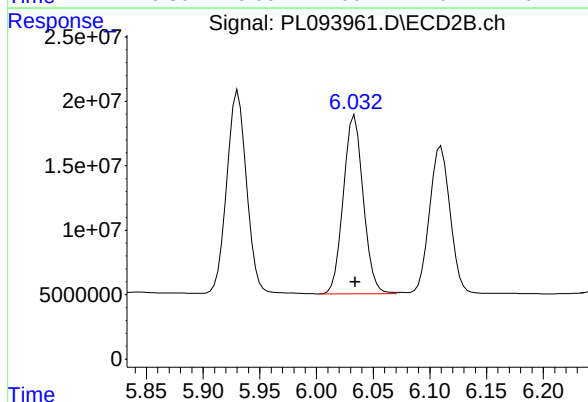
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.000 min  
Response: 102656848  
Conc: 52.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

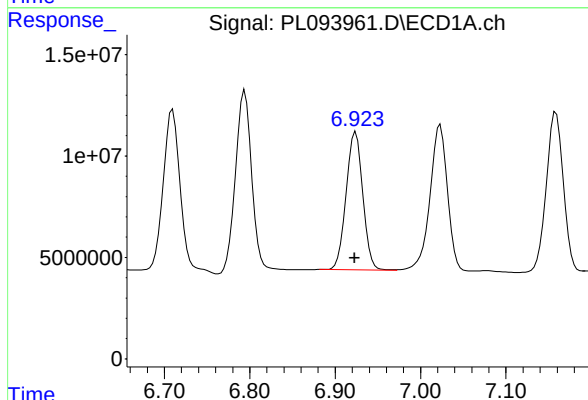
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



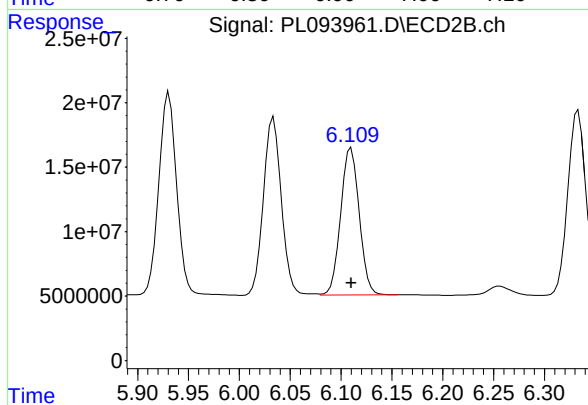
#17 4,4'-DDT

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 169112807  
Conc: 51.97 ng/ml



#18 Endrin aldehyde

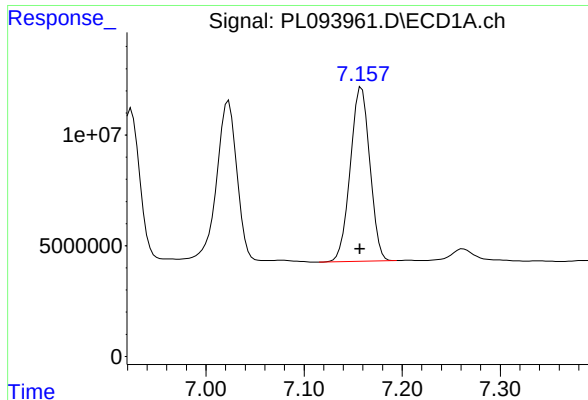
R.T.: 6.924 min  
Delta R.T.: 0.001 min  
Response: 92653355  
Conc: 47.66 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 144821876  
Conc: 47.57 ng/ml





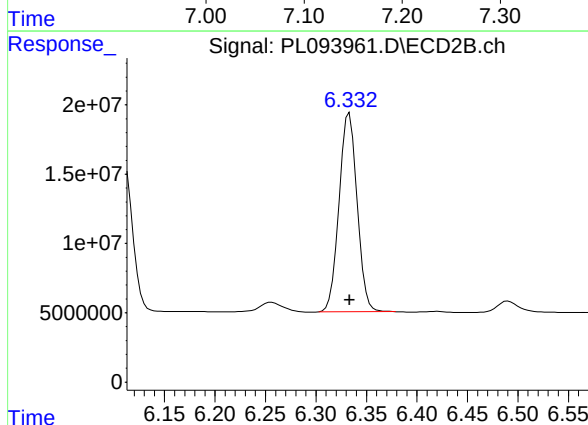
## #19 Endosulfan Sulfate

R.T.: 7.159 min  
Delta R.T.: 0.001 min  
Response: 108956035  
Conc: 48.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

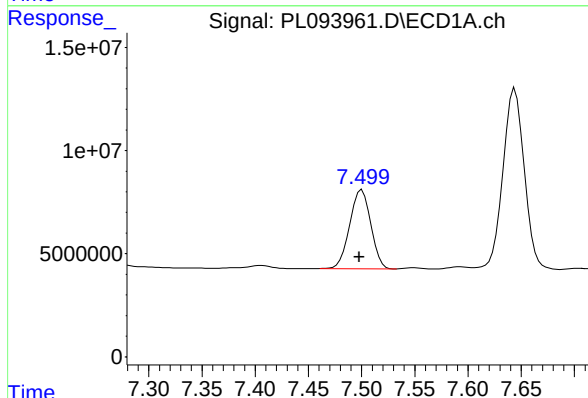
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



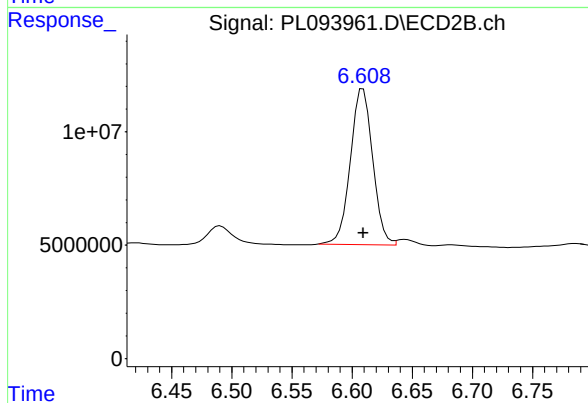
## #19 Endosulfan Sulfate

R.T.: 6.333 min  
Delta R.T.: 0.000 min  
Response: 178795532  
Conc: 50.14 ng/ml



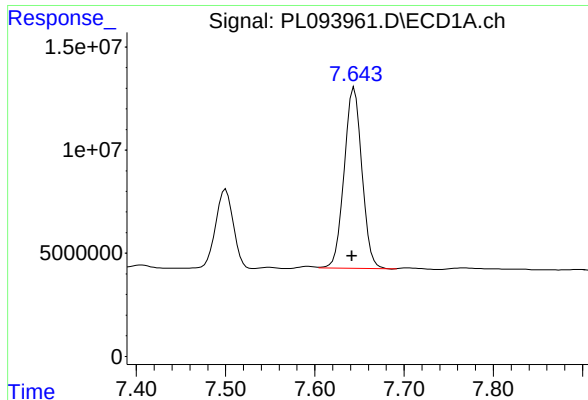
## #20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.002 min  
Response: 52631768  
Conc: 50.44 ng/ml



## #20 Methoxychlor

R.T.: 6.609 min  
Delta R.T.: 0.000 min  
Response: 89126412  
Conc: 49.84 ng/ml



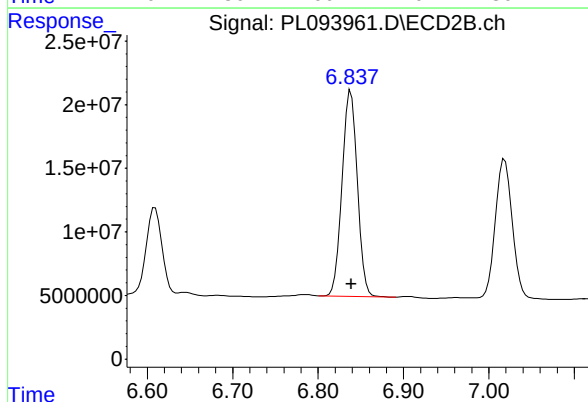
## #21 Endrin ketone

R.T.: 7.644 min  
Delta R.T.: 0.002 min  
Response: 120977141  
Conc: 47.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

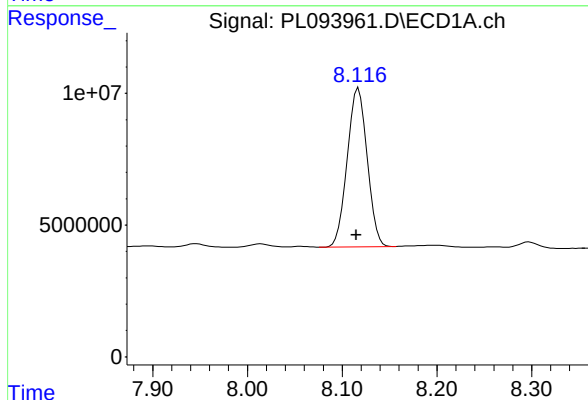
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



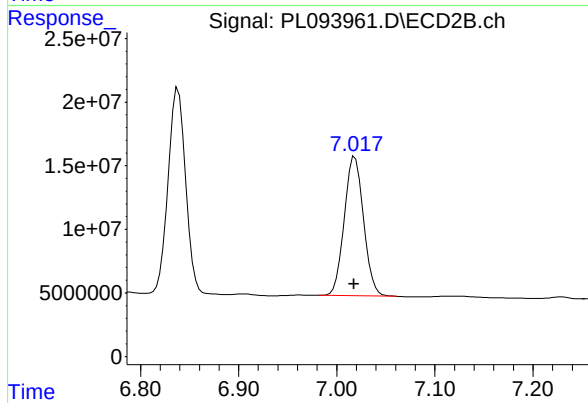
## #21 Endrin ketone

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 200448431  
Conc: 47.78 ng/ml



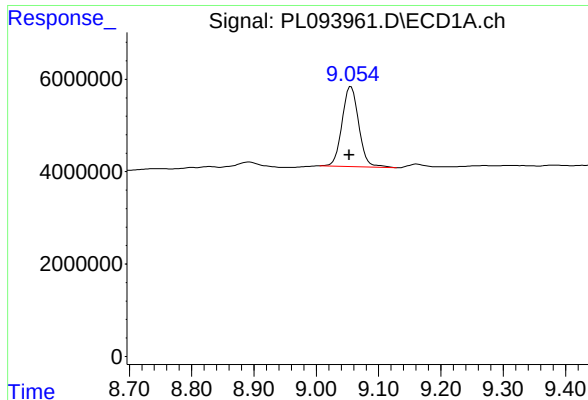
## #22 Mirex

R.T.: 8.117 min  
Delta R.T.: 0.003 min  
Response: 88327251  
Conc: 42.41 ng/ml



## #22 Mirex

R.T.: 7.019 min  
Delta R.T.: 0.000 min  
Response: 149573926  
Conc: 44.23 ng/ml



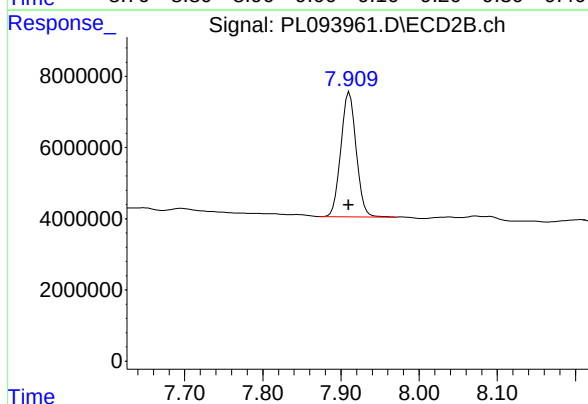
#28 Decachlorobiphenyl

R.T.: 9.056 min  
Delta R.T.: 0.003 min  
Response: 32207548  
Conc: 15.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
357MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/03/2025  
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: 0.001 min  
Response: 47799485  
Conc: 13.64 ng/ml

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL012125 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter       | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|-----------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PEM          | PL093726.D | 4,4"-DDD        | Abdul     | 1/22/2025 8:17:27 AM | Ankita        | 1/22/2025 8:30:27 | Peak Integrated by Software |
| PEM          | PL093726.D | 4,4"-DDE        | Abdul     | 1/22/2025 8:17:27 AM | Ankita        | 1/22/2025 8:30:27 | Peak Integrated by Software |
| PEM          | PL093726.D | Endrin aldehyde | Abdul     | 1/22/2025 8:17:27 AM | Ankita        | 1/22/2025 8:30:27 | Peak Integrated by Software |
| PCHLORICV500 | PL093744.D | Chlordane-2     | Abdul     | 1/22/2025 8:17:34 AM | Ankita        | 1/22/2025 8:30:28 | Peak Integrated by Software |
| PCHLORICV500 | PL093744.D | Chlordane-5     | Abdul     | 1/22/2025 8:17:34 AM | Ankita        | 1/22/2025 8:30:28 | Peak Integrated by Software |
| PCHLORICV500 | PL093744.D | Chlordane-5 #2  | Abdul     | 1/22/2025 8:17:34 AM | Ankita        | 1/22/2025 8:30:28 | Peak Integrated by Software |
| PEM          | PL093747.D | 4,4"-DDE        | Abdul     | 1/22/2025 8:17:08 AM | Ankita        | 1/22/2025 8:30:30 | Peak Integrated by Software |
| PEM          | PL093747.D | 4,4"-DDE #2     | Abdul     | 1/22/2025 8:17:08 AM | Ankita        | 1/22/2025 8:30:30 | Peak Integrated by Software |
| PSTDCCC050   | PL093748.D | Heptachlor      | Abdul     | 1/22/2025 8:17:12 AM | Ankita        | 1/22/2025 8:30:32 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pl013125 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter          | Review By | Review On           | Supervised By | Supervised On    | Reason                      |
|--------------|------------|--------------------|-----------|---------------------|---------------|------------------|-----------------------------|
| PEM          | PL093929.D | 4,4"-DDD           | Abdul     | 2/3/2025 9:48:09 AM | Ankita        | 2/3/2025 1:12:24 | Peak Integrated by Software |
| PEM          | PL093929.D | 4,4"-DDD #2        | Abdul     | 2/3/2025 9:48:09 AM | Ankita        | 2/3/2025 1:12:24 | Peak Integrated by Software |
| PEM          | PL093929.D | Endrin             | Abdul     | 2/3/2025 9:48:09 AM | Ankita        | 2/3/2025 1:12:24 | Peak Integrated by Software |
| PSTDCCC050   | PL093930.D | Endrin             | Abdul     | 2/3/2025 9:48:14 AM | Ankita        | 2/3/2025 1:12:25 | Peak Integrated by Software |
| PCHLORCCC500 | PL093931.D | Chlordane-2        | Abdul     | 2/3/2025 9:48:17 AM | Ankita        | 2/3/2025 1:12:27 | Peak Integrated by Software |
| PCHLORCCC500 | PL093931.D | Chlordane-5        | Abdul     | 2/3/2025 9:48:17 AM | Ankita        | 2/3/2025 1:12:27 | Peak Integrated by Software |
| PCHLORCCC500 | PL093931.D | Chlordane-5 #2     | Abdul     | 2/3/2025 9:48:17 AM | Ankita        | 2/3/2025 1:12:27 | Peak Integrated by Software |
| PB166413BS   | PL093941.D | Endrin             | Abdul     | 2/3/2025 9:48:34 AM | Ankita        | 2/3/2025 1:12:35 | Peak Integrated by Software |
| PB166413BS   | PL093941.D | gamma-Chlordane    | Abdul     | 2/3/2025 9:48:34 AM | Ankita        | 2/3/2025 1:12:35 | Peak Integrated by Software |
| PB166413BS   | PL093941.D | gamma-Chlordane #2 | Abdul     | 2/3/2025 9:48:34 AM | Ankita        | 2/3/2025 1:12:35 | Peak Integrated by Software |
| PSTDCCC050   | PL093943.D | Endrin             | Abdul     | 2/3/2025 9:48:38 AM | Ankita        | 2/3/2025 1:12:36 | Peak Integrated by Software |
| PCHLORCCC500 | PL093944.D | Chlordane-2        | Abdul     | 2/3/2025 9:48:41 AM | Ankita        | 2/3/2025 1:12:38 | Peak Integrated by Software |
| PCHLORCCC500 | PL093944.D | Chlordane-5        | Abdul     | 2/3/2025 9:48:41 AM | Ankita        | 2/3/2025 1:12:38 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pl013125 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter            | Review By | Review On           | Supervised By | Supervised On    | Reason                      |
|--------------|------------|----------------------|-----------|---------------------|---------------|------------------|-----------------------------|
| PCHLORCCC500 | PL093944.D | Chlordane-5 #2       | Abdul     | 2/3/2025 9:48:41 AM | Ankita        | 2/3/2025 1:12:38 | Peak Integrated by Software |
| PTOXCCC500   | PL093945.D | Toxaphene-2          | Abdul     | 2/3/2025 9:48:44 AM | Ankita        | 2/3/2025 1:12:40 | Peak Integrated by Software |
| PTOXCCC500   | PL093945.D | Toxaphene-5 #2       | Abdul     | 2/3/2025 9:48:44 AM | Ankita        | 2/3/2025 1:12:40 | Peak Integrated by Software |
| PEM          | PL093958.D | 4,4"-DDE             | Abdul     | 2/3/2025 9:49:29 AM | Ankita        | 2/3/2025 1:13:27 | Peak Integrated by Software |
| PEM          | PL093958.D | 4,4"-DDE #2          | Abdul     | 2/3/2025 9:49:29 AM | Ankita        | 2/3/2025 1:13:27 | Peak Integrated by Software |
| PEM          | PL093958.D | Endrin               | Abdul     | 2/3/2025 9:49:29 AM | Ankita        | 2/3/2025 1:13:27 | Peak Integrated by Software |
| PSTDCCC050   | PL093959.D | Endrin               | Abdul     | 2/3/2025 9:54:37 AM | Ankita        | 2/3/2025 1:13:28 | Peak Integrated by Software |
| PSTDCCC050   | PL093959.D | gamma-Chlordane #2   | Abdul     | 2/3/2025 9:54:37 AM | Ankita        | 2/3/2025 1:13:28 | Peak Integrated by Software |
| Q1239-10MS   | PL093960.D | Methoxychlor         | Abdul     | 2/3/2025 9:54:42 AM | Ankita        | 2/3/2025 1:13:30 | Peak Integrated by Software |
| Q1239-10MS   | PL093960.D | Tetrachloro-m-xylene | Abdul     | 2/3/2025 9:54:42 AM | Ankita        | 2/3/2025 1:13:30 | Peak Integrated by Software |
| Q1239-10MSD  | PL093961.D | 4,4"-DDD             | Abdul     | 2/3/2025 9:54:46 AM | Ankita        | 2/3/2025 1:13:32 | Peak Integrated by Software |
| Q1239-10MSD  | PL093961.D | Endrin               | Abdul     | 2/3/2025 9:54:46 AM | Ankita        | 2/3/2025 1:13:32 | Peak Integrated by Software |
| Q1239-10MSD  | PL093961.D | Endrin #2            | Abdul     | 2/3/2025 9:54:46 AM | Ankita        | 2/3/2025 1:13:32 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pl013125 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter            | Review By | Review On           | Supervised By | Supervised On    | Reason                      |
|-------------|------------|----------------------|-----------|---------------------|---------------|------------------|-----------------------------|
| Q1239-10MSD | PL093961.D | gamma-Chlordane #2   | Abdul     | 2/3/2025 9:54:46 AM | Ankita        | 2/3/2025 1:13:32 | Peak Integrated by Software |
| Q1239-10MSD | PL093961.D | Tetrachloro-m-xylene | Abdul     | 2/3/2025 9:54:46 AM | Ankita        | 2/3/2025 1:13:32 | Peak Integrated by Software |
| Q1242-03    | PL093967.D | 4,4"-DDT             | Abdul     | 2/3/2025 9:49:47 AM | Ankita        | 2/3/2025 1:13:43 | Peak Integrated by Software |
| Q1242-03    | PL093967.D | 4,4"-DDT #2          | Abdul     | 2/3/2025 9:49:47 AM | Ankita        | 2/3/2025 1:13:43 | Peak Integrated by Software |
| Q1242-03    | PL093967.D | alpha-Chlordane      | Abdul     | 2/3/2025 9:49:47 AM | Ankita        | 2/3/2025 1:13:43 | Peak Integrated by Software |
| Q1242-03    | PL093967.D | alpha-Chlordane #2   | Abdul     | 2/3/2025 9:49:47 AM | Ankita        | 2/3/2025 1:13:43 | Peak Integrated by Software |
| Q1242-03    | PL093967.D | Endrin               | Abdul     | 2/3/2025 9:49:47 AM | Ankita        | 2/3/2025 1:13:43 | Peak Integrated by Software |
| Q1242-03    | PL093967.D | Endrin #2            | Abdul     | 2/3/2025 9:49:47 AM | Ankita        | 2/3/2025 1:13:43 | Peak Integrated by Software |
| Q1242-03    | PL093967.D | Tetrachloro-m-xylene | Abdul     | 2/3/2025 9:49:47 AM | Ankita        | 2/3/2025 1:13:43 | Peak Integrated by Software |
| PSTDCCC050  | PL093971.D | Endrin               | Abdul     | 2/3/2025 9:49:56 AM | Ankita        | 2/3/2025 1:14:06 | Peak Integrated by Software |
| PSTDCCC050  | PL093978.D | Endrin               | Abdul     | 2/3/2025 9:54:09 AM | Ankita        | 2/3/2025 1:14:16 | Peak Integrated by Software |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL012125**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 1/22/2025 8:17:54 AM               |
| Supervise By             | Ankita                                                                                  | Supervise On      | 1/22/2025 8:30:39 AM               |
| SubDirectory             | PL012125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

| Sr# | Sampleld      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PL093724.D     | 21 Jan 2025 10:03 | AR\AJ    | Ok     |
| 2   | I.BLK         | PL093725.D     | 21 Jan 2025 10:16 | AR\AJ    | Ok     |
| 3   | PEM           | PL093726.D     | 21 Jan 2025 10:30 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PL093727.D     | 21 Jan 2025 10:43 | AR\AJ    | Ok     |
| 5   | PSTDICC100    | PL093728.D     | 21 Jan 2025 10:57 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PL093729.D     | 21 Jan 2025 11:10 | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PL093730.D     | 21 Jan 2025 11:24 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PL093731.D     | 21 Jan 2025 11:38 | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PL093732.D     | 21 Jan 2025 11:51 | AR\AJ    | Ok     |
| 10  | PCHLORICC1000 | PL093733.D     | 21 Jan 2025 12:05 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PL093734.D     | 21 Jan 2025 12:18 | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PL093735.D     | 21 Jan 2025 12:32 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PL093736.D     | 21 Jan 2025 12:45 | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PL093737.D     | 21 Jan 2025 12:59 | AR\AJ    | Ok     |
| 15  | PTOXICC1000   | PL093738.D     | 21 Jan 2025 13:12 | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PL093739.D     | 21 Jan 2025 13:26 | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PL093740.D     | 21 Jan 2025 13:39 | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PL093741.D     | 21 Jan 2025 13:53 | AR\AJ    | Ok     |
| 19  | PTOXICC100    | PL093742.D     | 21 Jan 2025 14:07 | AR\AJ    | Ok     |
| 20  | PSTDICV050    | PL093743.D     | 21 Jan 2025 14:20 | AR\AJ    | Ok     |
| 21  | PCHLORICV500  | PL093744.D     | 21 Jan 2025 14:47 | AR\AJ    | Ok,M   |



Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL012125**

| Review By                | Abdul                                                                                   | Review On         | 1/22/2025 8:17:54 AM               |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 1/22/2025 8:30:39 AM               |
| SubDirectory             | PL012125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |            |            |                   |       |          |
|----|------------|------------|-------------------|-------|----------|
| 22 | PTOXICV500 | PL093745.D | 21 Jan 2025 15:14 | AR\AJ | Ok       |
| 23 | I.BLK      | PL093746.D | 21 Jan 2025 15:41 | AR\AJ | Ok       |
| 24 | PEM        | PL093747.D | 21 Jan 2025 15:54 | AR\AJ | Ok,M     |
| 25 | PSTDCCC050 | PL093748.D | 21 Jan 2025 16:07 | AR\AJ | Ok,M     |
| 26 | Q1093-01RE | PL093749.D | 21 Jan 2025 16:21 | AR\AJ | Confirms |
| 27 | I.BLK      | PL093750.D | 21 Jan 2025 16:34 | AR\AJ | Ok       |
| 28 | PSTDCCC050 | PL093751.D | 21 Jan 2025 16:48 | AR\AJ | Ok       |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL013125**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 2/3/2025 9:55:31 AM                |
| Supervise By             | Ankita                                                                                  | Supervise On      | 2/3/2025 1:14:23 PM                |
| SubDirectory             | PL013125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | HEXANE       | PL093927.D     | 31 Jan 2025 10:38 | AR\AJ    | Ok     |
| 2   | I.BLK        | PL093928.D     | 31 Jan 2025 10:51 | AR\AJ    | Ok     |
| 3   | PEM          | PL093929.D     | 31 Jan 2025 11:04 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050   | PL093930.D     | 31 Jan 2025 11:17 | AR\AJ    | Ok,M   |
| 5   | PCHLORCCC500 | PL093931.D     | 31 Jan 2025 11:54 | AR\AJ    | Ok,M   |
| 6   | PTOXCCC500   | PL093932.D     | 31 Jan 2025 12:07 | AR\AJ    | Ok     |
| 7   | PB166365BL   | PL093933.D     | 31 Jan 2025 12:29 | AR\AJ    | Ok     |
| 8   | PB166365BS   | PL093934.D     | 31 Jan 2025 13:08 | AR\AJ    | Ok     |
| 9   | PB166365BSD  | PL093935.D     | 31 Jan 2025 13:22 | AR\AJ    | Ok,M   |
| 10  | PB166365BS   | PL093936.D     | 31 Jan 2025 13:35 | AR\AJ    | Ok,M   |
| 11  | PB166365BS   | PL093937.D     | 31 Jan 2025 13:49 | AR\AJ    | Ok,M   |
| 12  | Q1211-01     | PL093938.D     | 31 Jan 2025 14:02 | AR\AJ    | Ok     |
| 13  | Q1211-02     | PL093939.D     | 31 Jan 2025 14:15 | AR\AJ    | Ok,M   |
| 14  | PB166413BL   | PL093940.D     | 31 Jan 2025 14:28 | AR\AJ    | Ok     |
| 15  | PB166413BS   | PL093941.D     | 31 Jan 2025 14:43 | AR\AJ    | Ok,M   |
| 16  | I.BLK        | PL093942.D     | 31 Jan 2025 14:57 | AR\AJ    | Ok     |
| 17  | PSTDCCC050   | PL093943.D     | 31 Jan 2025 15:10 | AR\AJ    | Ok,M   |
| 18  | PCHLORCCC500 | PL093944.D     | 31 Jan 2025 15:23 | AR\AJ    | Ok,M   |
| 19  | PTOXCCC500   | PL093945.D     | 31 Jan 2025 16:34 | AR\AJ    | Ok,M   |
| 20  | Q1232-03     | PL093946.D     | 31 Jan 2025 17:01 | AR\AJ    | Ok,M   |
| 21  | Q1232-07     | PL093947.D     | 31 Jan 2025 17:14 | AR\AJ    | Ok,M   |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL013125**

| Review By                | Abdul                                                                                   | Review On         | 2/3/2025 9:55:31 AM                |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 2/3/2025 1:14:23 PM                |
| SubDirectory             | PL013125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | Q1232-11    | PL093948.D | 31 Jan 2025 17:27 | AR\AJ | Ok,M |
| 23 | Q1232-15    | PL093949.D | 31 Jan 2025 17:40 | AR\AJ | Ok,M |
| 24 | Q1232-19    | PL093950.D | 31 Jan 2025 17:53 | AR\AJ | Ok,M |
| 25 | Q1235-03    | PL093951.D | 31 Jan 2025 18:07 | AR\AJ | Ok,M |
| 26 | Q1235-07    | PL093952.D | 31 Jan 2025 18:20 | AR\AJ | Ok,M |
| 27 | Q1239-01    | PL093953.D | 31 Jan 2025 18:33 | AR\AJ | Ok,M |
| 28 | Q1239-04    | PL093954.D | 31 Jan 2025 18:46 | AR\AJ | Ok,M |
| 29 | Q1239-07    | PL093955.D | 31 Jan 2025 18:59 | AR\AJ | Ok,M |
| 30 | Q1239-10    | PL093956.D | 31 Jan 2025 19:12 | AR\AJ | Ok,M |
| 31 | I.BLK       | PL093957.D | 31 Jan 2025 19:26 | AR\AJ | Ok   |
| 32 | PEM         | PL093958.D | 31 Jan 2025 19:39 | AR\AJ | Ok,M |
| 33 | PSTDCCC050  | PL093959.D | 31 Jan 2025 20:18 | AR\AJ | Ok,M |
| 34 | Q1239-10MS  | PL093960.D | 31 Jan 2025 20:31 | AR\AJ | Ok,M |
| 35 | Q1239-10MSD | PL093961.D | 31 Jan 2025 20:45 | AR\AJ | Ok,M |
| 36 | Q1241-03    | PL093962.D | 31 Jan 2025 20:58 | AR\AJ | Ok,M |
| 37 | Q1241-07    | PL093963.D | 31 Jan 2025 21:11 | AR\AJ | Ok,M |
| 38 | Q1241-11    | PL093964.D | 31 Jan 2025 21:24 | AR\AJ | Ok,M |
| 39 | Q1241-15    | PL093965.D | 31 Jan 2025 21:37 | AR\AJ | Ok,M |
| 40 | Q1241-19    | PL093966.D | 31 Jan 2025 21:50 | AR\AJ | Ok,M |
| 41 | Q1242-03    | PL093967.D | 31 Jan 2025 22:04 | AR\AJ | Ok,M |
| 42 | Q1243-01    | PL093968.D | 31 Jan 2025 22:17 | AR\AJ | Ok   |
| 43 | Q1244-01    | PL093969.D | 31 Jan 2025 22:30 | AR\AJ | Ok,M |
| 44 | I.BLK       | PL093970.D | 31 Jan 2025 22:43 | AR\AJ | Ok   |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL013125**

| Review By                | Abdul                                                                                   | Review On         | 2/3/2025 9:55:31 AM                |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 2/3/2025 1:14:23 PM                |
| SubDirectory             | PL013125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |                   |       |       |
|----|-------------|------------|-------------------|-------|-------|
| 45 | PSTDCCC050  | PL093971.D | 01 Feb 2025 00:57 | AR\AJ | Ok,M  |
| 46 | Q1215-03    | PL093972.D | 01 Feb 2025 01:10 | AR\AJ | Ok,M  |
| 47 | Q1215-03MS  | PL093973.D | 01 Feb 2025 01:24 | AR\AJ | Ok,M  |
| 48 | Q1215-03MSD | PL093974.D | 01 Feb 2025 01:37 | AR\AJ | Ok,M  |
| 49 | Q1216-15    | PL093975.D | 01 Feb 2025 01:50 | AR\AJ | ReRun |
| 50 | Q1219-01    | PL093976.D | 01 Feb 2025 02:03 | AR\AJ | Ok,M  |
| 51 | I.BLK       | PL093977.D | 01 Feb 2025 02:43 | AR\AJ | Ok    |
| 52 | PSTDCCC050  | PL093978.D | 01 Feb 2025 02:56 | AR\AJ | Ok,M  |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL012125**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 1/22/2025 8:17:54 AM               |
| Supervise By | Ankita   | Supervise On      | 1/22/2025 8:30:39 AM               |
| SubDirectory | PL012125 | HP Acquire Method | HP Processing Method pl012125 8081 |

| STD. NAME                | STD REF.#                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------|
| Tune/Reschk              | PP23793,PP24095                                                                         |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC                      | PP23686,PP23690,PP23695                                                                 |
| Internal Standard/PEM    |                                                                                         |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |
| Surrogate Standard       |                                                                                         |
| MS/MSD Standard          |                                                                                         |
| LCS Standard             |                                                                                         |

| Sr# | Sampleld      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PL093724.D     | 21 Jan 2025 10:03 |         | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PL093725.D     | 21 Jan 2025 10:16 |         | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PL093726.D     | 21 Jan 2025 10:30 |         | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PL093727.D     | 21 Jan 2025 10:43 |         | AR\AJ    | Ok     |
| 5   | PSTDICC100    | PSTDICC100    | PL093728.D     | 21 Jan 2025 10:57 |         | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PL093729.D     | 21 Jan 2025 11:10 |         | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PSTDICC050    | PL093730.D     | 21 Jan 2025 11:24 |         | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PL093731.D     | 21 Jan 2025 11:38 |         | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PSTDICC005    | PL093732.D     | 21 Jan 2025 11:51 |         | AR\AJ    | Ok     |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PL093733.D     | 21 Jan 2025 12:05 |         | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PL093734.D     | 21 Jan 2025 12:18 |         | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PCHLORICC500  | PL093735.D     | 21 Jan 2025 12:32 |         | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PL093736.D     | 21 Jan 2025 12:45 |         | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PCHLORICC050  | PL093737.D     | 21 Jan 2025 12:59 |         | AR\AJ    | Ok     |
| 15  | PTOXICC1000   | PTOXICC1000   | PL093738.D     | 21 Jan 2025 13:12 |         | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PTOXICC750    | PL093739.D     | 21 Jan 2025 13:26 |         | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PTOXICC500    | PL093740.D     | 21 Jan 2025 13:39 |         | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PTOXICC250    | PL093741.D     | 21 Jan 2025 13:53 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL012125**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 1/22/2025 8:17:54 AM               |
| Supervise By             | Ankita                                                                                  | Supervise On      | 1/22/2025 8:30:39 AM               |
| SubDirectory             | PL012125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |              |             |            |                   |                                        |       |          |
|----|--------------|-------------|------------|-------------------|----------------------------------------|-------|----------|
| 19 | PTOXICC100   | PTOXICC100  | PL093742.D | 21 Jan 2025 14:07 |                                        | AR\AJ | Ok       |
| 20 | PSTDICV050   | ICVPL012125 | PL093743.D | 21 Jan 2025 14:20 |                                        | AR\AJ | Ok       |
| 21 | PCHLORICV500 | ICVPL012125 | PL093744.D | 21 Jan 2025 14:47 |                                        | AR\AJ | Ok,M     |
| 22 | PTOXICV500   | ICVPL012125 | PL093745.D | 21 Jan 2025 15:14 |                                        | AR\AJ | Ok       |
| 23 | I.BLK        | I.BLK       | PL093746.D | 21 Jan 2025 15:41 |                                        | AR\AJ | Ok       |
| 24 | PEM          | PEM         | PL093747.D | 21 Jan 2025 15:54 |                                        | AR\AJ | Ok,M     |
| 25 | PSTDCCC050   | PSTDCCC050  | PL093748.D | 21 Jan 2025 16:07 |                                        | AR\AJ | Ok,M     |
| 26 | Q1093-01RE   | RT-3407RE   | PL093749.D | 21 Jan 2025 16:21 | F Flag coming , DCB high in 2nd column | AR\AJ | Confirms |
| 27 | I.BLK        | I.BLK       | PL093750.D | 21 Jan 2025 16:34 |                                        | AR\AJ | Ok       |
| 28 | PSTDCCC050   | PSTDCCC050  | PL093751.D | 21 Jan 2025 16:48 |                                        | AR\AJ | Ok       |

M : Manual Integration

Instrument ID: ECD\_L

### Daily Analysis Runlog For Sequence/QC Batch ID # PL013125

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 2/3/2025 9:55:31 AM                |
| Supervise By | Ankita   | Supervise On      | 2/3/2025 1:14:23 PM                |
| SubDirectory | PL013125 | HP Acquire Method | HP Processing Method pl012125 8081 |

| STD. NAME                | STD REF.#                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------|
| Tune/Reschk              | PP23793,PP24095                                                                         |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC                      | PP23686,PP23690,PP23695                                                                 |
| Internal Standard/PEM    |                                                                                         |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |
| Surrogate Standard       |                                                                                         |
| MS/MSD Standard          |                                                                                         |
| LCS Standard             |                                                                                         |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment                 | Operator | Status |
|-----|--------------|--------------------|----------------|-------------------|-------------------------|----------|--------|
| 1   | HEXANE       | HEXANE             | PL093927.D     | 31 Jan 2025 10:38 |                         | AR\AJ    | Ok     |
| 2   | I.BLK        | I.BLK              | PL093928.D     | 31 Jan 2025 10:51 |                         | AR\AJ    | Ok     |
| 3   | PEM          | PEM                | PL093929.D     | 31 Jan 2025 11:04 |                         | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050   | PSTDCCC050         | PL093930.D     | 31 Jan 2025 11:17 |                         | AR\AJ    | Ok,M   |
| 5   | PCHLORCCC500 | PCHLORCCC500       | PL093931.D     | 31 Jan 2025 11:54 |                         | AR\AJ    | Ok,M   |
| 6   | PTOXCCC500   | PTOXCCC500         | PL093932.D     | 31 Jan 2025 12:07 |                         | AR\AJ    | Ok     |
| 7   | PB166365BL   | PB166365BL         | PL093933.D     | 31 Jan 2025 12:29 |                         | AR\AJ    | Ok     |
| 8   | PB166365BS   | PB166365BS         | PL093934.D     | 31 Jan 2025 13:08 |                         | AR\AJ    | Ok     |
| 9   | PB166365BSD  | PB166365BSD        | PL093935.D     | 31 Jan 2025 13:22 |                         | AR\AJ    | Ok,M   |
| 10  | PB166365BS   | PB166365BS         | PL093936.D     | 31 Jan 2025 13:35 |                         | AR\AJ    | Ok,M   |
| 11  | PB166365BS   | PB166365BS         | PL093937.D     | 31 Jan 2025 13:49 |                         | AR\AJ    | Ok,M   |
| 12  | Q1211-01     | TAPHHA-MW01-01282  | PL093938.D     | 31 Jan 2025 14:02 | TCMX high in 1st column | AR\AJ    | Ok     |
| 13  | Q1211-02     | TAPIAL2-MW03-01282 | PL093939.D     | 31 Jan 2025 14:15 |                         | AR\AJ    | Ok,M   |
| 14  | PB166413BL   | PB166413BL         | PL093940.D     | 31 Jan 2025 14:28 |                         | AR\AJ    | Ok     |
| 15  | PB166413BS   | PB166413BS         | PL093941.D     | 31 Jan 2025 14:43 |                         | AR\AJ    | Ok,M   |
| 16  | I.BLK        | I.BLK              | PL093942.D     | 31 Jan 2025 14:57 |                         | AR\AJ    | Ok     |
| 17  | PSTDCCC050   | PSTDCCC050         | PL093943.D     | 31 Jan 2025 15:10 |                         | AR\AJ    | Ok,M   |
| 18  | PCHLORCCC500 | PCHLORCCC500       | PL093944.D     | 31 Jan 2025 15:23 |                         | AR\AJ    | Ok,M   |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL013125**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 2/3/2025 9:55:31 AM                |
| Supervise By             | Ankita                                                                                  | Supervise On      | 2/3/2025 1:14:23 PM                |
| SubDirectory             | PL013125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |                 |            |                   |                        |       |      |
|----|-------------|-----------------|------------|-------------------|------------------------|-------|------|
| 19 | PTOXC500    | PTOXC500        | PL093945.D | 31 Jan 2025 16:34 |                        | AR\AJ | Ok,M |
| 20 | Q1232-03    | JPP-46.2-012925 | PL093946.D | 31 Jan 2025 17:01 | DCB high in 2nd column | AR\AJ | Ok,M |
| 21 | Q1232-07    | JPP-46.1-012925 | PL093947.D | 31 Jan 2025 17:14 |                        | AR\AJ | Ok,M |
| 22 | Q1232-11    | JPP-42.1-012925 | PL093948.D | 31 Jan 2025 17:27 |                        | AR\AJ | Ok,M |
| 23 | Q1232-15    | JPP-42.2-012925 | PL093949.D | 31 Jan 2025 17:40 |                        | AR\AJ | Ok,M |
| 24 | Q1232-19    | JPP-51.1-012925 | PL093950.D | 31 Jan 2025 17:53 |                        | AR\AJ | Ok,M |
| 25 | Q1235-03    | JPP-51.2-012925 | PL093951.D | 31 Jan 2025 18:07 |                        | AR\AJ | Ok,M |
| 26 | Q1235-07    | JPP-16.1-012925 | PL093952.D | 31 Jan 2025 18:20 |                        | AR\AJ | Ok,M |
| 27 | Q1239-01    | 286             | PL093953.D | 31 Jan 2025 18:33 |                        | AR\AJ | Ok,M |
| 28 | Q1239-04    | 348             | PL093954.D | 31 Jan 2025 18:46 |                        | AR\AJ | Ok,M |
| 29 | Q1239-07    | RBR22266        | PL093955.D | 31 Jan 2025 18:59 |                        | AR\AJ | Ok,M |
| 30 | Q1239-10    | 357             | PL093956.D | 31 Jan 2025 19:12 |                        | AR\AJ | Ok,M |
| 31 | I.BLK       | I.BLK           | PL093957.D | 31 Jan 2025 19:26 |                        | AR\AJ | Ok   |
| 32 | PEM         | PEM             | PL093958.D | 31 Jan 2025 19:39 |                        | AR\AJ | Ok,M |
| 33 | PSTDCC050   | PSTDCC050       | PL093959.D | 31 Jan 2025 20:18 |                        | AR\AJ | Ok,M |
| 34 | Q1239-10MS  | 357MS           | PL093960.D | 31 Jan 2025 20:31 |                        | AR\AJ | Ok,M |
| 35 | Q1239-10MSD | 357MSD          | PL093961.D | 31 Jan 2025 20:45 | RPD Fail               | AR\AJ | Ok,M |
| 36 | Q1241-03    | JPP-3.5-013025  | PL093962.D | 31 Jan 2025 20:58 |                        | AR\AJ | Ok,M |
| 37 | Q1241-07    | JPP-5.3-013025  | PL093963.D | 31 Jan 2025 21:11 |                        | AR\AJ | Ok,M |



Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL013125**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 2/3/2025 9:55:31 AM                |
| Supervise By             | Ankita                                                                                  | Supervise On      | 2/3/2025 1:14:23 PM                |
| SubDirectory             | PL013125                                                                                | HP Acquire Method | HP Processing Method pl012125 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP24095                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |                    |            |                   |                         |       |       |
|----|-------------|--------------------|------------|-------------------|-------------------------|-------|-------|
| 38 | Q1241-11    | JPP-5.2-013025     | PL093964.D | 31 Jan 2025 21:24 |                         | AR\AJ | Ok,M  |
| 39 | Q1241-15    | JPP-5.4-013025     | PL093965.D | 31 Jan 2025 21:37 |                         | AR\AJ | Ok,M  |
| 40 | Q1241-19    | JPP-51.4-013025    | PL093966.D | 31 Jan 2025 21:50 |                         | AR\AJ | Ok,M  |
| 41 | Q1242-03    | JPP-6.2-013025     | PL093967.D | 31 Jan 2025 22:04 |                         | AR\AJ | Ok,M  |
| 42 | Q1243-01    | CL-01-01302025     | PL093968.D | 31 Jan 2025 22:17 |                         | AR\AJ | Ok    |
| 43 | Q1244-01    | EO-02-01302025     | PL093969.D | 31 Jan 2025 22:30 |                         | AR\AJ | Ok,M  |
| 44 | I.BLK       | I.BLK              | PL093970.D | 31 Jan 2025 22:43 |                         | AR\AJ | Ok    |
| 45 | PSTDCCC050  | PSTDCCC050         | PL093971.D | 01 Feb 2025 00:57 | Comp#22 recovery low    | AR\AJ | Ok,M  |
| 46 | Q1215-03    | JPP-29.1-012825    | PL093972.D | 01 Feb 2025 01:10 |                         | AR\AJ | Ok,M  |
| 47 | Q1215-03MS  | JPP-29.1-012825MS  | PL093973.D | 01 Feb 2025 01:24 |                         | AR\AJ | Ok,M  |
| 48 | Q1215-03MSD | JPP-29.1-012825MSD | PL093974.D | 01 Feb 2025 01:37 |                         | AR\AJ | Ok,M  |
| 49 | Q1216-15    | JPP-26.1-012825    | PL093975.D | 01 Feb 2025 01:50 | DCB high in both column | AR\AJ | ReRun |
| 50 | Q1219-01    | LAW-25-0015        | PL093976.D | 01 Feb 2025 02:03 | DCB high in 1st column  | AR\AJ | Ok,M  |
| 51 | I.BLK       | I.BLK              | PL093977.D | 01 Feb 2025 02:43 |                         | AR\AJ | Ok    |
| 52 | PSTDCCC050  | PSTDCCC050         | PL093978.D | 01 Feb 2025 02:56 | Comp#22 recovery low    | AR\AJ | Ok,M  |

M : Manual Integration

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:35  
In Date: 01/31/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:40  
Out Date: 02/01/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134497

| 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    |
|----------|-------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|-------------|
| Q1236-01 | WASTE             | 17     | 1.14            | 8.55          | 9.69                     | 8.12                       | 81.6    |             |
| Q1236-02 | VOC               | 18     | 1.13            | 8.71          | 9.84                     | 8.3                        | 82.3    |             |
| Q1236-03 | 1                 | 19     | 1.17            | 8.50          | 9.67                     | 8.2                        | 82.7    |             |
| Q1236-04 | 2                 | 20     | 1.17            | 8.60          | 9.77                     | 8.2                        | 81.7    |             |
| Q1236-05 | 3                 | 21     | 1.15            | 8.84          | 9.99                     | 8.35                       | 81.4    |             |
| Q1236-06 | 4                 | 22     | 1.16            | 8.53          | 9.69                     | 8.24                       | 83.0    |             |
| Q1236-07 | 5                 | 23     | 1.15            | 8.82          | 9.97                     | 8.48                       | 83.1    |             |
| Q1241-01 | JPP-3.5-013025    | 1      | 1.15            | 8.58          | 9.73                     | 8.41                       | 84.6    |             |
| Q1241-03 | JPP-3.5-013025    | 2      | 1.12            | 8.76          | 9.88                     | 8.3                        | 82.0    |             |
| Q1241-05 | JPP-5.3-013025    | 3      | 1.15            | 8.43          | 9.58                     | 8.68                       | 89.3    |             |
| Q1241-07 | JPP-5.3-013025    | 4      | 1.11            | 8.77          | 9.88                     | 8.81                       | 87.8    |             |
| Q1241-09 | JPP-5.2-013025    | 5      | 1.15            | 8.59          | 9.74                     | 8.65                       | 87.3    |             |
| Q1241-11 | JPP-5.2-013025    | 6      | 1.12            | 8.41          | 9.53                     | 8.58                       | 88.7    |             |
| Q1241-13 | JPP-5.4-013025    | 7      | 1.16            | 8.66          | 9.82                     | 8.69                       | 87.0    |             |
| Q1241-15 | JPP-5.4-013025    | 8      | 1.18            | 8.45          | 9.63                     | 8.5                        | 86.6    |             |
| Q1241-17 | JPP-51.4-013025   | 9      | 1.14            | 8.55          | 9.69                     | 9.12                       | 93.3    |             |
| Q1241-19 | JPP-51.4-013025   | 10     | 1.16            | 8.51          | 9.67                     | 9.09                       | 93.2    |             |
| Q1242-01 | JPP-6.2-013025    | 11     | 1.15            | 8.80          | 9.95                     | 8.32                       | 81.5    |             |
| Q1242-03 | JPP-6.2-013025    | 12     | 1.13            | 8.60          | 9.73                     | 8.11                       | 81.2    |             |
| Q1243-01 | CL-01-01302025    | 13     | 1.16            | 8.40          | 9.56                     | 9.12                       | 94.8    |             |
| Q1243-02 | CL-01-01302025-E2 | 14     | 1.13            | 8.70          | 9.83                     | 9.36                       | 94.6    |             |
| Q1244-01 | EO-02-01302025    | 15     | 1.18            | 8.71          | 9.89                     | 9.36                       | 93.9    |             |
| Q1244-02 | EO-02-01302025-E2 | 16     | 1.12            | 8.80          | 9.92                     | 9.42                       | 94.3    |             |
| Q1254-01 | OK-02-01312025    | 24     | 1.16            | 8.40          | 9.56                     | 8.48                       | 87.1    |             |
| Q1254-02 | OK-02-01312025-E2 | 25     | 1.15            | 8.83          | 9.98                     | 9.6                        | 95.7    |             |
| Q1257-01 | 013025            | 42     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q1258-01 | 112224A           | 43     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | debris      |
| Q1259-01 | 12825             | 44     | 1.14            | 8.70          | 9.84                     | 8.7                        | 86.9    |             |

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:35  
In Date: 01/31/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:40  
Out Date: 02/01/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134497

| 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        |
|----------|-----------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|-----------------|
| Q1260-01 | 12925-A               | 45     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | debris          |
| Q1260-02 | 12925-BC              | 46     | 1.16            | 8.42          | 9.58                     | 9.2                        | 95.5    |                 |
| Q1261-01 | CHRT-20430            | 47     | 1.14            | 8.43          | 9.57                     | 5.86                       | 56.0    |                 |
| Q1261-02 | CHRT-20430-E2         | 48     | 1.12            | 8.77          | 9.89                     | 5.93                       | 54.8    |                 |
| Q1262-01 | ETGI-371              | 49     | 1.15            | 8.70          | 9.85                     | 8.64                       | 86.1    |                 |
| Q1262-02 | ETGI-371-E2           | 50     | 1.16            | 8.82          | 9.98                     | 8.78                       | 86.4    |                 |
| Q1262-03 | CONCRETE-PAD          | 51     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | CONCRETE sample |
| Q1262-04 | CONCRETE-PAD-E2       | 52     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | CONCRETE sample |
| Q1262-05 | 3762                  | 53     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | debris          |
| Q1263-01 | KMA9027-1-1           | 54     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc            |
| Q1263-02 | KMA9027-1-2           | 55     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc            |
| Q1263-03 | BC274653-1-1          | 56     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc            |
| Q1263-04 | BC274653-1-2          | 57     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc            |
| Q1264-01 | AUD-1606              | 26     | 1.18            | 8.62          | 9.8                      | 9.63                       | 98.0    |                 |
| Q1264-02 | AUD-25-0008           | 27     | 1.11            | 8.71          | 9.82                     | 7.77                       | 76.5    |                 |
| Q1265-01 | AUD-25-0006           | 28     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample     |
| Q1267-01 | TRE-25-0003           | 29     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample     |
| Q1267-02 | TRE-25-0009           | 30     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample     |
| Q1267-03 | TRE-25-0011           | 31     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample     |
| Q1268-05 | SVOC-GPC-BLANK        | 32     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-06 | PEST-GPC-BLANK        | 33     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-07 | PEST-GPC-BLANK-SPIKE  | 34     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-08 | PCB-GPC-BLANK         | 35     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-09 | PCB-GPC-BLANK-SPIKE   | 36     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-10 | SVOC-GPC2-BLANK       | 37     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-11 | PEST-GPC2-BLANK       | 38     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-12 | PEST-GPC2-BLANK-SPIKE | 39     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |
| Q1268-13 | PCB-GPC2-BLANK        | 40     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |                 |

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:35  
In Date: 01/31/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:40  
Out Date: 02/01/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134497

| 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   |
|----------|----------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|------------|
| Q1268-14 | PCB-GPC2-BLANK-SPIKE | 41     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   |            |
| Q1269-01 | VNJ-231              | 58     | 1.17            | 8.81          | 9.98                     | 9.00                       | 88.9    |            |
| Q1269-02 | VNJ-231-E2           | 59     | 1.12            | 8.86          | 9.98                     | 9.1                        | 90.1    |            |
| Q1270-01 | BC247799-1-1         | 60     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc       |
| Q1270-02 | BC247799-1-2         | 61     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc       |
| Q1270-03 | BC274768-1-1         | 62     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc       |
| Q1270-04 | BC274768-1-2         | 63     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc       |
| Q1270-05 | BC274768-2-1         | 64     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc       |
| Q1270-06 | BC274768-2-2         | 65     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc       |
| Q1271-01 | RBR200030            | 66     | 1.12            | 8.74          | 9.86                     | 8.87                       | 88.7    |            |
| Q1271-02 | RBR200030-E2         | 67     | 1.17            | 8.53          | 9.7                      | 9.02                       | 92.0    |            |
| Q1271-03 | 3189-3196            | 68     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oil sample |

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

# WORKLIST(Hardcopy Internal Chain)

2134497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

| Sample   | Customer Sample   | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1236-01 | WASTE             | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1236-02 | VOC               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1236-03 | 1                 | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1236-04 | 2                 | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1236-05 | 3                 | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1236-06 | 4                 | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1236-07 | 5                 | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-01 | JPP-3.5-013025    | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-03 | JPP-3.5-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-05 | JPP-5.3-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-07 | JPP-5.3-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-09 | JPP-5.2-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-11 | JPP-5.2-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-13 | JPP-5.4-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-15 | JPP-5.4-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-17 | JPP-5.1.4-013025  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1241-19 | JPP-5.1.4-013025  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1242-01 | JPP-6.2-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1242-03 | JPP-6.2-013025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1243-01 | CL-01-01302025    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | Chemtech -SO |
| Q1243-02 | CL-01-01302025-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | N41                         | 01/30/2025   | Chemtech -SO |

Date/Time 01/31/25 16:10

Raw Sample Received by: TO WDC

Raw Sample Relinquished by: RS C E A T - I A W

Date/Time 01/31/25

Raw Sample Received by: RS C E A T - I A W

Raw Sample Relinquished by: TO WDC



# WORKLIST(Hardcopy Internal Chain)

13497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

| Sample   | Customer Sample   | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1244-01 | EO-02-01302025    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | N51                         | 01/30/2025   | Chemtech -SO |
| Q1244-02 | EO-02-01302025-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | N51                         | 01/30/2025   | Chemtech -SO |
| Q1254-01 | OK-02-01312025    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1254-02 | OK-02-01312025-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1257-01 | 013025            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1258-01 | 112224A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1259-01 | 12825             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1260-01 | 12925-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/31/2025   | Chemtech -SO |
| Q1260-02 | 12925-BC          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/31/2025   | Chemtech -SO |
| Q1261-01 | CHRT-20430        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/31/2025   | Chemtech -SO |
| Q1261-02 | CHRT-20430-E2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/31/2025   | Chemtech -SO |
| Q1262-01 | ETGI-371          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1262-02 | ETGI-371-E2       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1262-03 | CONCRETE-PAD      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1262-04 | CONCRETE-PAD-E2   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1262-05 | 3762              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1263-01 | KMA9027-1-1       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N11                         | 01/31/2025   | Chemtech -SO |
| Q1263-02 | KMA9027-1-2       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N11                         | 01/31/2025   | Chemtech -SO |
| Q1263-03 | BC274653-1-1      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N11                         | 01/31/2025   | Chemtech -SO |
| Q1263-04 | BC274653-1-2      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N11                         | 01/31/2025   | Chemtech -SO |
| Q1264-01 | AUD-1606          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/31/2025   | Chemtech -SO |

Date/Time 01/31/25 16:10

Raw Sample Received by: SQ wdcj

Raw Sample Relinquished by: RJ c.EXT-1061

Date/Time 01/31/25

Raw Sample Received by: RJ c.EXT-1061

Raw Sample Relinquished by: SQ wdcj

## WORKLIST(Hardcopy Internal Chain)

B134497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

| Sample   | Customer Sample       | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1264-02 | AUD-25-0008           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/31/2025   | Chemtech -SO |
| Q1265-01 | AUD-25-0006           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1267-01 | TRE-25-0003           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1267-02 | TRE-25-0009           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1267-03 | TRE-25-0011           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/31/2025   | Chemtech -SO |
| Q1268-05 | SVOC-GPC-BLANK        | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-06 | PEST-GPC-BLANK        | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-07 | PEST-GPC-BLANK-SPIKE  | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-08 | PCB-GPC-BLANK         | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-09 | PCB-GPC-BLANK-SPIKE   | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-10 | SVOC-GPC2-BLANK       | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-11 | PEST-GPC2-BLANK       | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-12 | PEST-GPC2-BLANK-SPIKE | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-13 | PCB-GPC2-BLANK        | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1268-14 | PCB-GPC2-BLANK-SPIKE  | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1269-01 | VNJ-231               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1269-02 | VNJ-231-E2            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D11                         | 01/31/2025   | Chemtech -SO |
| Q1270-01 | BC247799-1-1          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 01/31/2025   | Chemtech -SO |
| Q1270-02 | BC247799-1-2          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 01/31/2025   | Chemtech -SO |
| Q1270-03 | BC247468-1-1          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 01/31/2025   | Chemtech -SO |
| Q1270-04 | BC247468-1-2          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 01/31/2025   | Chemtech -SO |

Date/Time 01/31/25 16:10  
Raw Sample Received by: SA WOC  
Raw Sample Relinquished by: RS (EST-Web)

Date/Time 01/31/25

Raw Sample Received by: RS (EST-Web)

Raw Sample Relinquished by: SA WOC

# WORKLIST(Hardcopy Internal Chain)

1234567

WorkList Name : %1-013125      WorkList ID : 187328      Department : Wet-Chemistry      Date : 01-31-2025 07:56:55

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1270-05 | BC274768-2-1    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 01/31/2025   | Chemtech -SO |
| Q1270-06 | BC274768-2-2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 01/31/2025   | Chemtech -SO |
| Q1271-01 | RBR200030       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D21                         | 01/31/2025   | Chemtech -SO |
| Q1271-02 | RBR200030-E2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D21                         | 01/31/2025   | Chemtech -SO |
| Q1271-03 | 3189-3196       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D21                         | 01/31/2025   | Chemtech -SO |

Date/Time 01/31/25 16:10  
 Raw Sample Received by: J8 WPC  
 Raw Sample Relinquished by: RJ C-ET-106

Date/Time 01/31/25 17:50  
 Raw Sample Received by: RJ C-ET-106  
 Raw Sample Relinquished by: J8 WPC



**SOP ID:** M3541-ASE Extraction-14

**Clean Up SOP #:** Florisil

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** RJ

**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 :** 01/31/2025

**Extraction Start Time :** 08:15

**Extraction End Date :** 01/31/2025

**Extraction End Time :** 11:15

**Concentration By:** EH

**Supervisor By :** rajesh

**Extraction Method:** ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 500 PPB             | PP24091             |
| Surrogate     | 1.0ML    | 200 PPB             | PP24123             |
| 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            | EP2579     |
| Baked Na2SO4       | N/A            | EP2580     |
| Sand               | N/A            | E2865      |
| Hexane             | N/A            | E3872      |
| Florisil           | N/A            | E3806      |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

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

40 ML Vial lot# 03-40 BTS721.

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 01/31/25    | RJ (Sat 10:45)                          | Y.P. PESTHUB         |
| 11:20       | Preparation Group                       | Analysis Group       |

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 01/31/2025

| Sample ID       | Client Sample ID | Test          | g / mL | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|---------------|--------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |               |        |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB166413BL      | PBLK413          | Pesticide-TCL | 30.02  | N/A | ritesh         | Evelyn     | 10                 |       |          | U7-1        |
| PB166413BS      | PLCS413          | Pesticide-TCL | 30.01  | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q1232-03        | JPP-46.2-012925  | Pesticide-TCL | 30.05  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 3           |
| Q1232-07        | JPP-46.1-012925  | Pesticide-TCL | 30.02  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 4           |
| Q1232-11        | JPP-42.1-012925  | Pesticide-TCL | 30.08  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 5           |
| Q1232-15        | JPP-42.2-012925  | Pesticide-TCL | 30.06  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 6           |
| Q1232-19        | JPP-51.1-012925  | Pesticide-TCL | 30.04  | N/A | ritesh         | Evelyn     | 10                 | C     |          | U6-1        |
| Q1235-03        | JPP-51.2-012925  | Pesticide-TCL | 30.01  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 2           |
| Q1235-07        | JPP-16.1-012925  | Pesticide-TCL | 30.02  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 3           |
| Q1239-01        | 286              | Pesticide-TCL | 30.08  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 4           |
| Q1239-04        | 348              | Pesticide-TCL | 30.09  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 5           |
| Q1239-07        | RBR22266         | Pesticide-TCL | 30.05  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 6           |
| Q1239-10        | 357              | Pesticide-TCL | 30.02  | N/A | ritesh         | Evelyn     | 10                 | C     |          | U5-1        |
| Q1239-10MS      | 357MS            | Pesticide-TCL | 30.04  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 2           |
| Q1239-10MS<br>D | 357MSD           | Pesticide-TCL | 30.01  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 3           |
| Q1241-03        | JPP-3.5-013025   | Pesticide-TCL | 30.03  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 4           |
| Q1241-07        | JPP-5.3-013025   | Pesticide-TCL | 30.07  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 5           |
| Q1241-11        | JPP-5.2-013025   | Pesticide-TCL | 30.04  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 6           |
| Q1241-15        | JPP-5.4-013025   | Pesticide-TCL | 30.06  | N/A | ritesh         | Evelyn     | 10                 | C     |          | U4-1        |
| Q1241-19        | JPP-51.4-013025  | Pesticide-TCL | 30.02  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 2           |
| Q1242-03        | JPP-6.2-013025   | Pesticide-TCL | 30.01  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 3           |
| Q1243-01        | CL-01-01302025   | Pesticide-TCL | 30.05  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 4           |
| Q1244-01        | EO-02-01302025   | Pesticide-TCL | 30.03  | N/A | ritesh         | Evelyn     | 10                 | C     |          | 5           |

\* Extracts relinquished on the same date as received.

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1235      WorkList ID : 187330      Department : Extraction      Date : 01-31-2025 08:11:56

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| Q1232-03 | JPP-46.2-012925 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1232-07 | JPP-46.1-012925 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1232-11 | JPP-42.1-012925 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1232-15 | JPP-42.2-012925 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1232-19 | JPP-51.1-012925 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1235-03 | JPP-51.2-012925 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1235-07 | JPP-16.1-012925 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1239-01 | 286             | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/29/2025   | 8081B  |
| Q1239-04 | 348             | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | N31                         | 01/30/2025   | 8081B  |
| Q1239-07 | RBR22266        | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | N31                         | 01/30/2025   | 8081B  |
| Q1239-10 | 357             | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | N31                         | 01/30/2025   | 8081B  |
| Q1241-03 | JPP-3.5-013025  | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | N31                         | 01/30/2025   | 8081B  |
| Q1241-07 | JPP-5.3-013025  | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | 8081B  |
| Q1241-11 | JPP-5.2-013025  | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | 8081B  |
| Q1241-15 | JPP-5.4-013025  | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | 8081B  |
| Q1241-19 | JPP-51.4-013025 | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | 8081B  |
| Q1242-03 | JPP-6.2-013025  | Solid  | Pesticide-TCL | Cool 4 deg C | RUTW01   | E11                         | 01/30/2025   | 8081B  |
| Q1243-01 | CL-01-01302025  | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG05   | N41                         | 01/30/2025   | 8081B  |
| Q1244-01 | EO-02-01302025  | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG05   | N51                         | 01/30/2025   | 8081B  |

Date/Time 01/31/25 8:12  
 Raw Sample Received by: RJ (Get 104)  
 Raw Sample Relinquished by: CSN

Date/Time 01/31/25 8:35  
 Raw Sample Received by: CP SN  
 Raw Sample Relinquished by: RJ (Get 104)

Q1242-Pesticide-TCL

## Prep Standard - Chemical Standard Summary

**Order ID :** Q1242  
**Test :** Pesticide-TCL  
**Prepbatch ID :** PB166413,  
**Sequence ID/Qc Batch ID:** pl013125,

**Standard ID :**  
EP2579,EP2580,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP24091,PP24095,PP24123,

**Chemical ID :**  
E2865,E3551,E3792,E3805,E3806,E3843,E3846,E3847,E3872,P11146,P11896,P13036,P13039,P13245,P13349,P13350,P13353,P13359,P13402,

## 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="#">EP2579</a> | 01/06/2025       | 06/16/2025             | Rajesh Parikh      | None           | None             | RUPESHKUMAR SHAH<br>01/06/2025 |

**FROM** 8000.00000ml of E3846 + 8000.00000ml of E3847 = 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="#">EP2580</a> | 01/17/2025       | 07/01/2025             | Rajesh Parikh      | Extraction_SC<br>ALE_2<br>(EX-SC-2) | None             | RUPESHKUMAR SHAH<br>01/17/2025 |

**FROM** 4000.00000gram of E3551 = 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> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP23673</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 10/01/2024       |                                 |                         |                  |                        |                    |                |                  |                      |

**FROM** 1.00000ml of P13349 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                   | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3629             | 20 PPM PEST stock Solution 1st source(RESTEK) | <a href="#">PP23674</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 10/01/2024       |                                               |                         |                  |                        |                    |                |                  |                      |

**FROM** 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1472             | 20 PPM Pest Stock Solution 2nd Source | <a href="#">PP23675</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                       |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1273             | 20 PPM Mirex Stock (Primary Source) | <a href="#">PP23676</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>         |
|------------------|----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 3663             | 20 PPM MIREX Stock STD<br>(Secondary source) | <a href="#">PP23677</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |

**FROM** 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>         |
|------------------|----------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 3630             | 100/100 PPB PEST Working<br>std.1st Source(RESTEK) | <a href="#">PP23678</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |

**FROM** 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = 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="#">PP23679</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                                   |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = 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="#">PP23680</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

## 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 STD-RESTEK 2ND SOURCE | <a href="#">PP23681</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                              |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 383              | 1000/100 PPB Toxaphene STD (Restek) | <a href="#">PP23682</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

## 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="#">PP23683</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |

**FROM** 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>         |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 3632             | 50 PPB ICAL PEST<br>STD(RESTEK) | <a href="#">PP23686</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/01/2024 |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23678 = 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> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3988             | 50 PPB PEST ICV STD(RESTEK) | <a href="#">PP23687</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                             |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 529              | CHLOR 500 PPB STD | <a href="#">PP23690</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                   |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

## 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="#">PP23693</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 10/01/2024       |                       |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 534              | TOX 500 PPB STD | <a href="#">PP23695</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 10/01/2024       |                 |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

## 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> |
|------------------|-------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3670             | TOX 500 PPB ICV std ( RESTEK) | <a href="#">PP23698</a> | 09/21/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                               |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

| <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="#">PP23733</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                 |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 518              | Pest/PCB I.BLK 20 PPB | <a href="#">PP23793</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                       |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 99.90000ml of E3805 + 0.10000ml of PP23733 = 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> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 79               | 500 PPB Pesticide Spike Solution | <a href="#">PP24091</a> | 12/17/2024       | 03/11/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                  |                         |                  |                        |                    |                |                  | 12/18/2024           |

**FROM** 95.00000ml of E3843 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                             | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 4027             | Pesticide resolution Check Mixture 8081 | <a href="#">PP24095</a> | 12/23/2024       | 06/16/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                         |                         |                  |                        |                    |                |                  | 12/30/2024           |

**FROM** 1.00000ml of P13245 + 99.00000ml of E3847 = 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="#">PP24123</a> | 01/20/2025       | 06/26/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                  |                         |                  |                        |                    |                |                  | 01/20/2025           |

**FROM** 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml



## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 06/30/2025      | 04/30/2020 / RAJESH     | 04/28/2020 / RAJESH         | E2865          |

| Supplier                    | ItemCode / ItemName                                    | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 07/01/2025      | 01/03/2024 / Rajesh     | 07/20/2023 / Rajesh         | E3551          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/11/2025      | 09/12/2024 / Rajesh     | 09/11/2024 / Rajesh         | E3792          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/30/2025      | 09/30/2024 / Rajesh     | 09/25/2024 / Rajesh         | E3805          |

| Supplier                | ItemCode / ItemName                  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|--------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Agela Technologies Inc. | FS0006 / Cleanert Florisil cartridge | M06518 | 03/25/2025      | 10/01/2024 / Rajesh     | 09/25/2024 / Rajesh         | E3806          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/05/2025      | 12/05/2024 / Rajesh     | 12/05/2024 / Rajesh         | E3843          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/26/2025      | 12/26/2024 / Rajesh     | 12/13/2024 / Rajesh         | E3846          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 06/16/2025      | 12/16/2024 / Rajesh     | 12/13/2024 / Rajesh         | E3847          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 07/29/2025      | 01/29/2025 / Rajesh     | 01/29/2025 / Rajesh         | E3872          |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 102821 | 03/21/2025      | 09/21/2024 / Abdul      | 10/29/2021 / Abdul          | P11146         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0181737 | 03/21/2025      | 09/21/2024 / Abdul      | 06/17/2022 / Abdul          | P11896         |

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0200423 | 03/21/2025      | 09/21/2024 / Abdul      | 12/26/2023 / Abdul          | P13036         |

## 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 | A0199099 | 03/21/2025      | 09/21/2024 / Abdul      | 12/26/2023 / Abdul          | P13039         |

| Supplier                 | ItemCode / ItemName                             | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 19161 / 8081 pesticide resolution check mixture | 013124 | 06/23/2025      | 12/23/2024 / Abdul      | 02/09/2024 / Abdul          | P13245         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 03/21/2025      | 09/21/2024 / Abdul      | 04/22/2024 / Abdul          | P13349         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 04/03/2025      | 10/03/2024 / Ankita     | 04/22/2024 / Abdul          | P13350         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 07/20/2025      | 01/20/2025 / Abdul      | 04/22/2024 / Abdul          | P13353         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203830 | 03/21/2025      | 09/21/2024 / Abdul      | 05/03/2024 / Abdul          | P13359         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName           | Lot #    | Expiration Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|----------|-------------------------------|----------|-----------------|----------------------------|--------------------------------|-------------------|
| Restek   | 32005 / Toxaphene<br>Standard | A0203038 | 03/21/2025      | 09/21/2024 /<br>Abdul      | 05/15/2024 /<br>Abdul          | P13402            |

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Sand  
Purified  
Washed and Ignited



Material No.: 3382-05  
Batch No.: 0000243821  
Manufactured Date: 2018/04/09  
Retest Date: 2025/04/07  
Revision No: 1

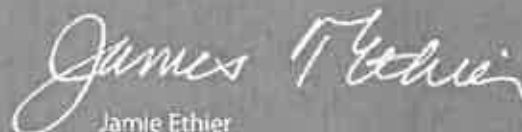
## Certificate of Analysis

| Test                      | Specification | Result |
|---------------------------|---------------|--------|
| Substances Soluble in HCl | $\leq 0.16\%$ | 0.01   |

For Laboratory, Research or Manufacturing Use  
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US  
Packaging Site: Paris Mfg Ctr & DC

E 2865

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MEXICO  
CP 64070  
TEL +52 81 13 52 57 57  
www.pqm.com.mx

## CERTIFICATE OF ANALYSIS

|                        |                                   |               |                                 |
|------------------------|-----------------------------------|---------------|---------------------------------|
| PRODUCT :              | SODIUM SULFATE CRYSTALS ANHYDROUS |               |                                 |
| QUALITY :              | ACS (CODE RMB3375)                | FORMULA :     | Na <sub>2</sub> SO <sub>4</sub> |
| SPECIFICATION NUMBER : | 6399                              | RELEASE DATE: | ABR/21/2023                     |
| LOT NUMBER :           | 313201                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.7 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.1         |
| Insoluble matter                         | Max. 0.01%     | 0.005 %     |
| Loss on ignition                         | Max. 0.5%      | 0.1 %       |
| Chloride (Cl)                            | Max. 0.001%    | <0.001 %    |
| Nitrogen compounds (as N)                | Max. 5 ppm     | <5 ppm      |
| Phosphate (PO <sub>4</sub> )             | Max. 0.001%    | <0.001 %    |
| Heavy metals (as Pb)                     | Max. 5 ppm     | <5 ppm      |
| Iron (Fe)                                | Max. 0.001%    | <0.001 %    |
| Calcium (Ca)                             | Max. 0.01%     | 0.002 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.003 %     |
| Extraction-concentration suitability     | Passes test    | Passes test |
| Appearance                               | Passes test    | Passes test |
| Identification                           | Passes test    | Passes test |
| Solubility and foreign matter            | Passes test    | Passes test |
| Retained on US Standard No. 10 sieve     | Max. 1%        | 0.1 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 97.3 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 2.5 %       |
| Through US Standard No. 100 sieve        | Max. 10%       | 0.1 %       |

### COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Hexanes (95% n-hexane)  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

Avantor™



Material No.: 9262-03  
Batch No.: 24C1862008  
Manufactured Date: 2024-01-30  
Expiration Date: 2025-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | ≥ 99.5 %      | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | ≥ 95 %        | 98 %        |
| Color (APHA)                                                                    | ≤ 10          | 5           |
| Residue after Evaporation                                                       | ≤ 1.0 ppm     | 0.4 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test   | Passes Test |
| Water (by KF, coulometric)                                                      | ≤ 0.05 %      | < 0.01 %    |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3192

Jamie Croak  
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9262-03  
Batch No.: 24C1862008  
Manufactured Date: 2024-01-30  
Expiration Date: 2025-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | ≥ 99.5 %      | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | ≥ 95 %        | 98 %        |
| Color (APHA)                                                                    | ≤ 10          | 5           |
| Residue after Evaporation                                                       | ≤ 1.0 ppm     | 0.4 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test   | Passes Test |
| Water (by KF, coulometric)                                                      | ≤ 0.05 %      | < 0.01 %    |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak  
Director Quality Operations, Bioscience Production



**Cleanert Florisil**

1g/6ml 30/pkg

固相萃取产品

LOT#:M06518

MFG#:F04074



Made in China

**CAT# FS0006**

Agela Technologies

E 3806



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

Recd. by RP on 12/5/24

E 3843

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

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (μeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846

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

Material No.: 9262-03  
Batch No.: 24G1962003  
Manufactured Date: 2024-05-23  
Expiration Date: 2025-08-22  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | 3           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | ≥ 99.5 %      | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | ≥ 95 %        | 98 %        |
| Color (APHA)                                                                    | ≤ 10          | 5           |
| Residue after Evaporation                                                       | ≤ 1.0 ppm     | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test   | Passes Test |
| Water (by KF, coulometric)                                                      | ≤ 0.05 %      | < 0.01 %    |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847

J. Croak

Jamie Croak  
Director Quality Operations, Bioscience Production

Material No.: 9262-03  
Batch No.: 24G1962003  
Manufactured Date: 2024-05-23  
Expiration Date: 2025-08-22  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | 3           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <sub>8</sub> Isomers) (by GC, corrected for water)     | ≥ 99.5 %      | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | ≥ 95 %        | 98 %        |
| Color (APHA)                                                                    | ≤ 10          | 5           |
| Residue after Evaporation                                                       | ≤ 1.0 ppm     | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test   | Passes Test |
| Water (by KF, coulometric)                                                      | ≤ 0.05 %      | < 0.01 %    |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 1/29/25

E 3872

J. Croak

Jamie Croak  
Director Quality Operations, Bioscience Production



# CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

## Certificate of Analysis



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32021 **Lot No.:** A0181737  
**Description :** Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** May 31, 2028 **Storage:** 10°C or colder  
**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                                   | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                       |
|---------------|------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------|
| 1             | Chlordane<br>CAS # 57-74-9<br>Purity ----%<br>(Lot 978545) | 1,006.0 µg/mL               | +/- 5.9753 µg/mL Gravimetric<br>+/- 31.8975 µg/mL Unstressed<br>+/- 41.6615 µg/mL Stressed |

**Solvent:** Hexane  
CAS # 110-54-3  
Purity 99%

#### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892  
↓  
P 11896  
5

06/17/2022

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

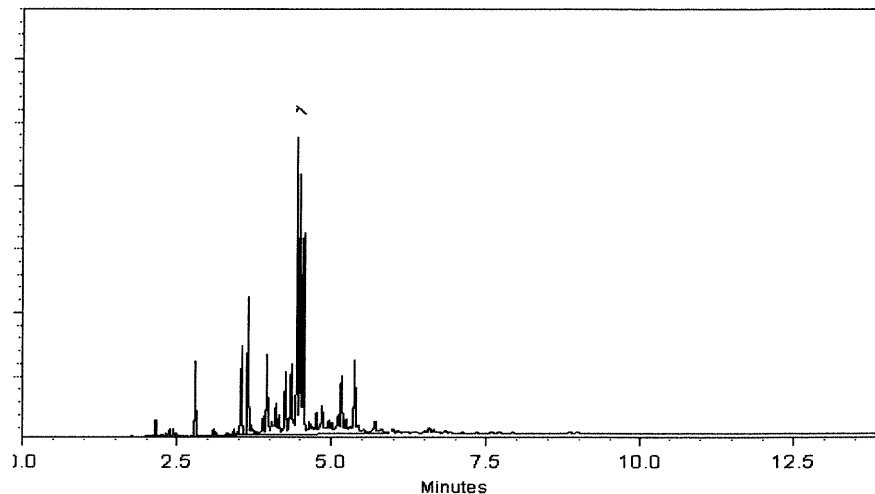
**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Josh McCloskey*  
Josh McCloskey - Operations Technician I

**Date Mixed:** 11-Feb-2022

**Balance:** B442140311

*Marlina Cowan*  
Marlina Cowan - Operations Tech I

**Date Passed:** 24-Feb-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 11892  
↓  
P 11896 / (5)

*AK*  
06/17/2022





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. :** 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%

P 13039  
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 P13043  
 1  
 5  
 12/26/23

## Quality Confirmation Test

**Column:**  
 30m x .25mm x .2um  
 Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
 helium-constant pressure 20 psi.

**Temp. Program:**  
 150°C to 300°C  
 @ 4°C/min. (hold 5 min.)

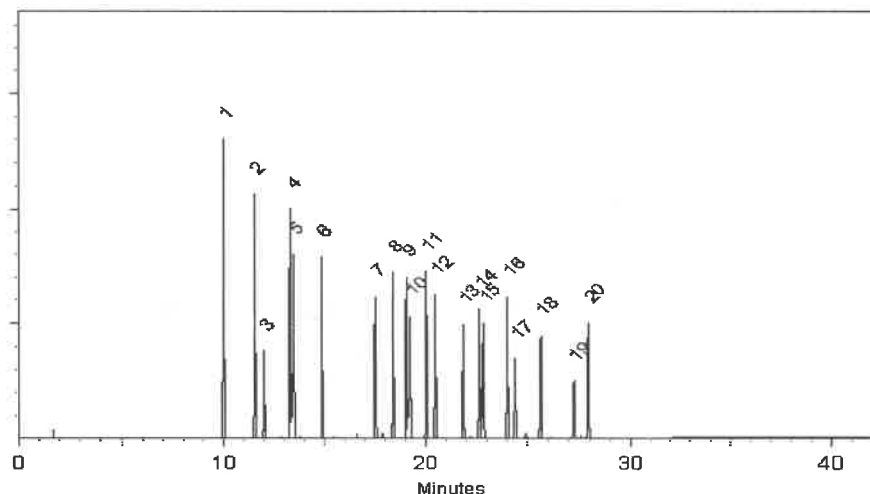
**Inj. Temp:**  
 200°C

**Det. Temp:**  
 300°C

**Det. Type:**  
 ECD

**Split Vent:**  
 Split ratio 50:1

**Inj. Vol**  
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Josh McCloskey*  
 Josh McCloskey - Operations Technician I

**Date Mixed:** 19-Jun-2023

**Balance Serial #** 1128360905

*Jennifer Pollino*  
 Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 23-Jun-2023

Manufactured under Restek's ISO 9001:2015  
 Registered Quality System  
 Certificate #FM 80397



## CERTIFIED WEIGHT REPORT

Part Number: **79136**  
 Lot Number: **102821**  
 Description: **Mirex**

Solvent(s): **Acetone**  
 Lot#: **81025**

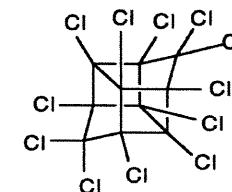
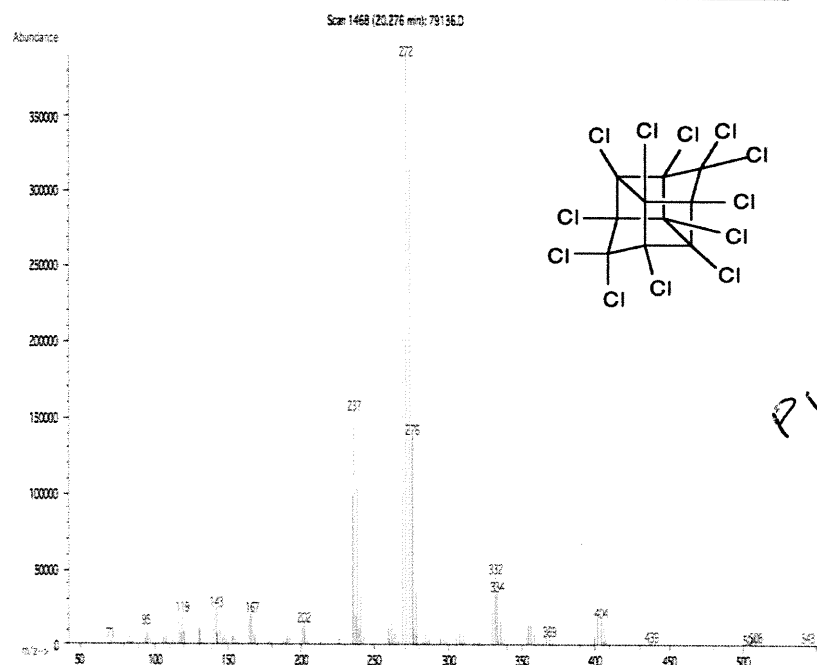
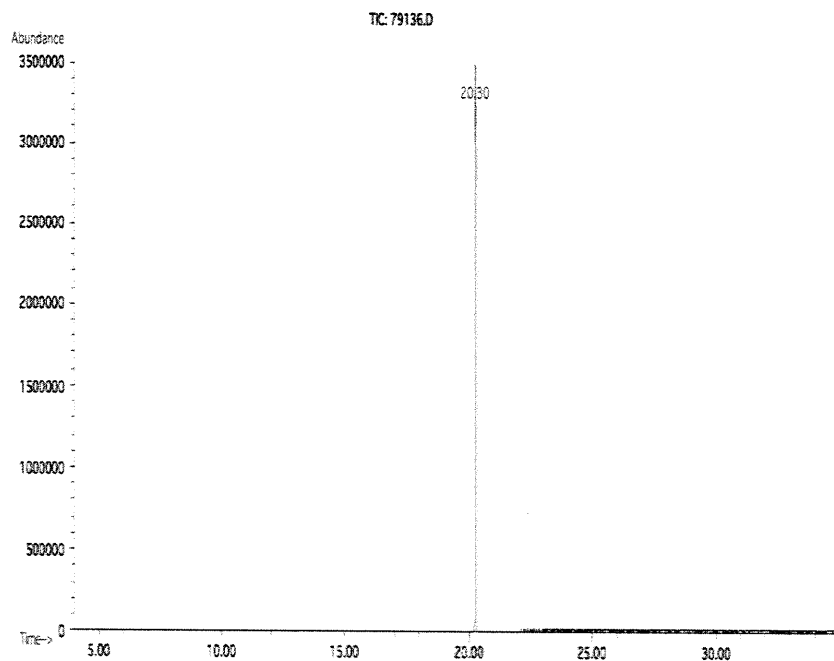
Expiration Date: **102826**  
 Recommended Storage: **Refrigerate (4 °C)**  
 Nominal Concentration (µg/mL): **1000**  
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**  
 5E-05 Balance Uncertainty  
 0.006 Flask Uncertainty

|                        |                 |        |
|------------------------|-----------------|--------|
| <i>Eli Aliaga</i>      |                 | 102821 |
| Formulated By:         | Eli Aliaga      | DATE   |
| <i>Pedro L. Rentas</i> |                 | 102821 |
| Reviewed By:           | Pedro L. 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<br>(Solvent Safety Info. On Attached pg.) |                |                  |
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|------------------------------------|-----------------------------------------------------------|----------------|------------------|
|          |     |            |                      |            |                    |                   |                   |                     |                                    | CAS#                                                      | OSHA PEL (TWA) | LD50             |
| 1. Mirex | 437 | 9492400    | 1000                 | 99.4       | 0.5                | 0.05034           | 0.05039           | 1000.9              | 10.3                               | 2385-85-5                                                 | N/A            | 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.



P11142  
 To  
 P11146  
 AR  
 11/02/21

- 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).



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Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

### chromatographic plus



#### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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.)

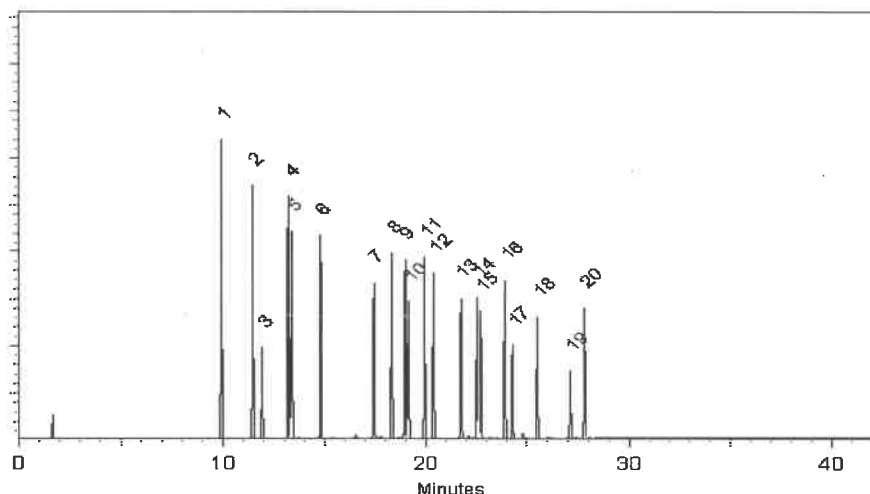
**Inj. Temp:**  
200°C

**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**  
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):  
 Hexane 273615 (50%)  
 Toluene 28508 (50%)

|                |                 |        |
|----------------|-----------------|--------|
|                |                 | 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



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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.:** A0206810

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348  
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P13357  
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DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.3 µg/mL                 | +/- 11.1143                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638    | 99%    | 200.6 µg/mL                 | +/- 11.1298                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.



# Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

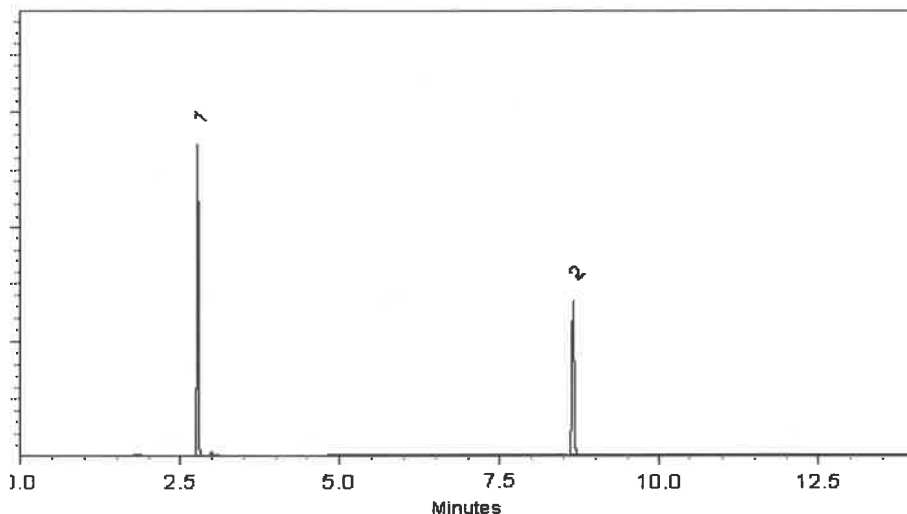
ECD

**Split Vent:**

10 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Laith Clemente*  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

*Jennifer J. Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13348  
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P13357  
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*SAUF*  
04/25/2025



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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.:** A0206810

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348  
↓  
P13357  
10  
DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.3 µg/mL                 | +/- 11.1143                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638    | 99%    | 200.6 µg/mL                 | +/- 11.1298                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.



# Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

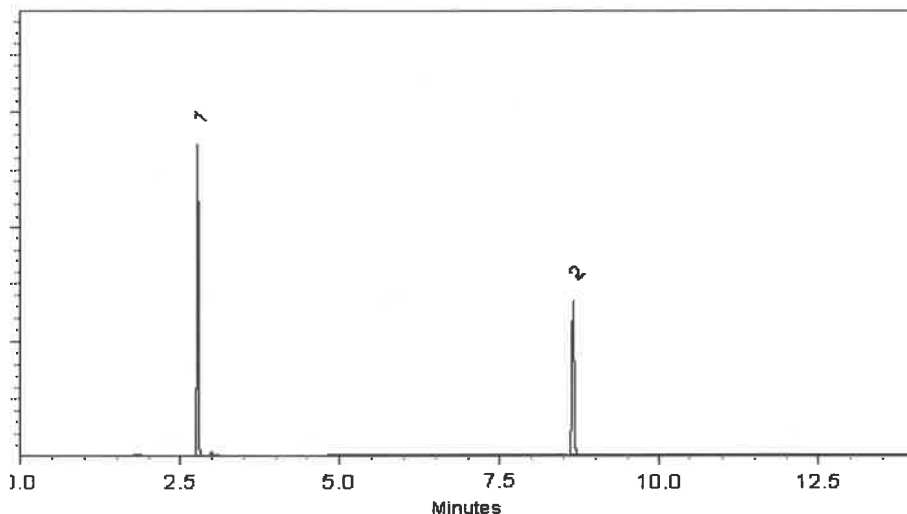
ECD

**Split Vent:**

10 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Laith Clemente*  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

*Jennifer J Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 13348  
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P 13357  
10

*SAUF*  
04/25/2025



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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.:** A0206810

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

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P13357  
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DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.3 µg/mL                 | +/- 11.1143                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638    | 99%    | 200.6 µg/mL                 | +/- 11.1298                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

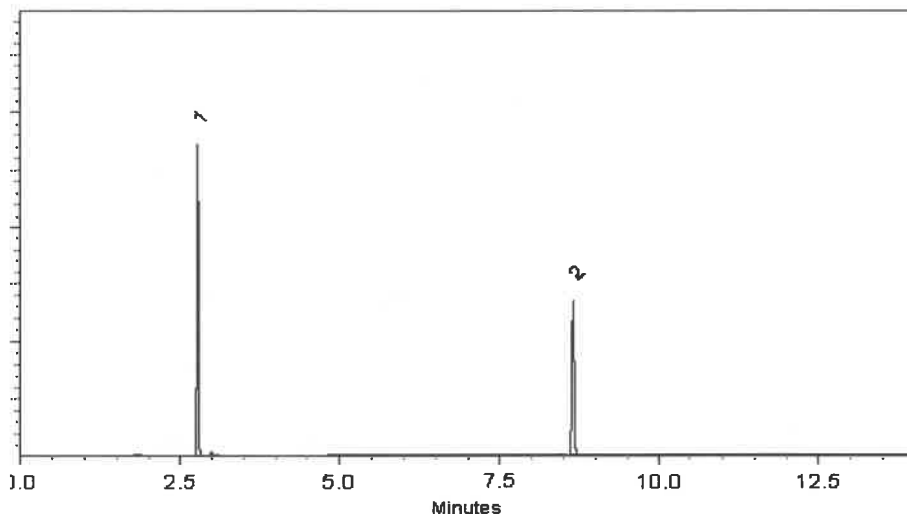
ECD

**Split Vent:**

10 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Laith Clemente*  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

*Jennifer J Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 13348  
↓  
P 13357  
10

*SAUF*  
04/25/2025



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32005 **Lot No.:** A0203038  
**Description :** Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** January 31, 2028 **Storage:** 10°C or colder  
**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | ----%  | 1,009.0 µg/mL               | +/- 55.9920                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

P 13358  
↓  
P 13369  
(12)

✓  
05-06-2024

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

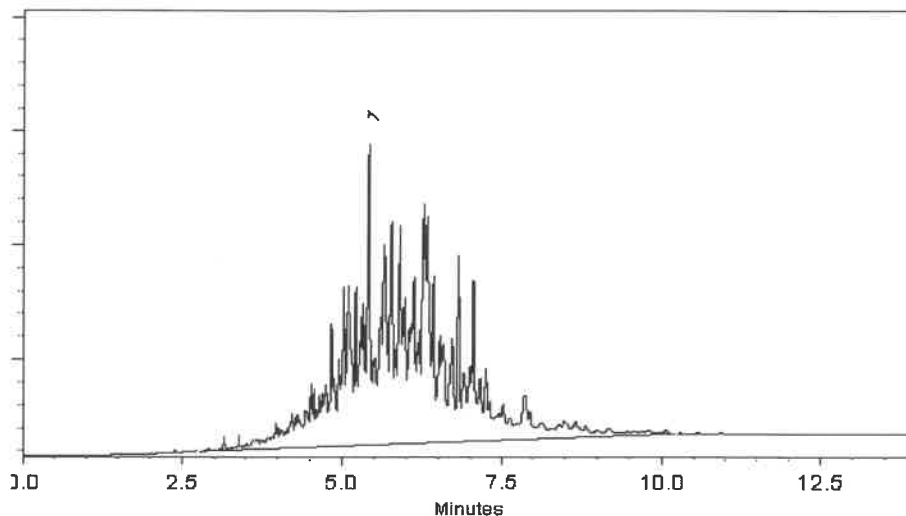
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13358 } (12)  
↓  
P13369  
|

  
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. :** 32005 **Lot No.:** A0203038

**Description :** Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2028 **Storage:** 10°C or colder  
**Ship:** Ambient

P13402  
P13406  
5/22/2021

### CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | ---%   | 1,009.0 µg/mL               | +/- 55.9920                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

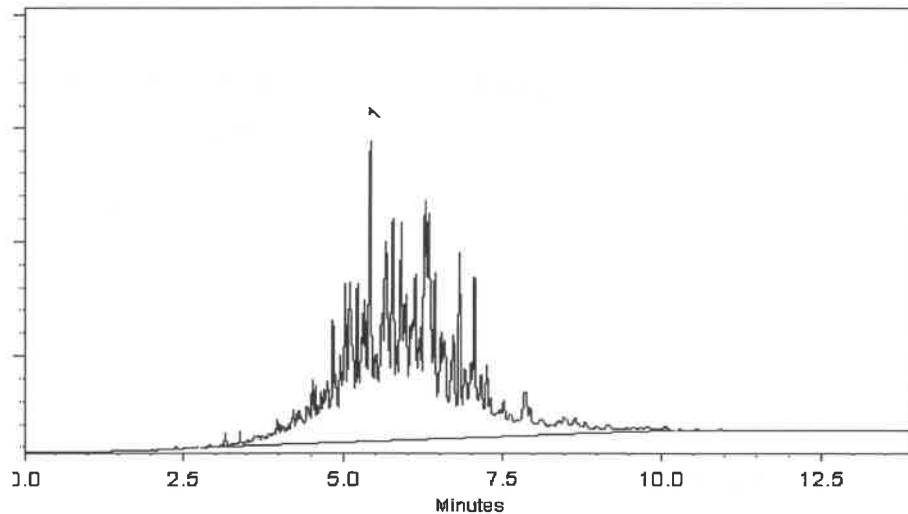
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl

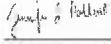


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13402  
↓  
P13406 } (5)

  
5/22/2024



# SHIPPING DOCUMENTS

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# CHEMTECH

## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 • Fax (908) 789-8922  
www.chemtech.net

CHEMTECH PROJECT NO. Q1242  
QUOTE NO.  
COC Number 2041688

| CLIENT INFORMATION                                                                                                                                                                                                                                                                                                 |                                  |                  |                | CLIENT PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |       |              | CLIENT BILLING INFORMATION                                                                                                                                                                                                                                                                                                    |   |   |   |   |   |   |   |   |                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|-----------------------------------------------------------------------------------------|
| <b>REPORT TO BE SENT TO:</b><br><b>COMPANY:</b> RU2 Engineering LLC<br><b>ADDRESS:</b> 2 Melinda Drive<br><b>CITY:</b> Monroe Twp, NJ 08831<br><b>ATTENTION:</b> Rutu Manani<br><b>PHONE:</b> 609-409-4564 <b>FAX:</b>                                                                                             |                                  |                  |                | <b>PROJECT NAME:</b> SANDTWOBBMCR Project<br><b>PROJECT NO.:</b> <b>LOCATION:</b> Brooklyn, NYC<br><b>PROJECT MANAGER:</b> Rutu Manani<br><b>e-mail:</b> Rmanani@ru2eng.com<br><b>PHONE:</b> <b>FAX:</b>                                                                                                                                                                                                                                                      |                      |       |              | <b>BILL TO:</b> Same as Company address <b>PO#:</b><br><b>ADDRESS:</b><br><b>CITY:</b> <b>STATE:</b> <b>ZIP:</b><br><b>ATTENTION:</b> <b>PHONE:</b>                                                                                                                                                                           |   |   |   |   |   |   |   |   |                                                                                         |
| <b>DATA TURNAROUND INFORMATION</b><br><b>FAX (RUSH):</b> Standard 10 days <b>DAYS*</b><br><b>HARDCOPY (DATA PACKAGE):</b> Standard 10 days <b>DAYS*</b><br><b>EDD:</b> Standard 10 days <b>DAYS*</b><br><small>*TO BE APPROVED BY CHEMTECH</small><br><b>STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS</b> |                                  |                  |                | <b>DATA DELIVERABLE INFORMATION</b><br><input type="checkbox"/> Level 1 (Results Only) <input type="checkbox"/> Level 4 (QC + Full Raw Data)<br><input type="checkbox"/> Level 2 (Results + QC) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> US EPA CLP<br><input type="checkbox"/> Level 3 (Results + QC + Raw Data) <input type="checkbox"/> NYS ASP A <input checked="" type="checkbox"/> NYS ASP B<br><input type="checkbox"/> EDD FORMAT |                      |       |              | <b>ANALYSIS</b><br><div style="border: 1px solid black; padding: 5px; transform: rotate(-15deg); font-weight: bold;"> 7. TCL VOC+TUS<br/> 2. TCLP VOCs<br/> 3. TPH<br/> 4. GRO-DRO<br/> 5. TCL SVOCs+TUS<br/> 6. TAL Metals<br/> 7. Pesticides, PCBs<br/> 8. PCRA Characterization<br/> 9. Point Filter<br/> Full TCLP </div> |   |   |   |   |   |   |   |   |                                                                                         |
| CHEMTECH<br>SAMPLE<br>ID                                                                                                                                                                                                                                                                                           | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SAMPLE<br>COLLECTION |       | # OF BOTTLES | PRESERVATIVES                                                                                                                                                                                                                                                                                                                 |   |   |   |   |   |   |   |   | COMMENTS<br>← Specify Preservatives<br>A-HCl B-HNO3 C-H2SO4 D-NaOH <b>E-ICP</b> F-OTHER |
|                                                                                                                                                                                                                                                                                                                    |                                  |                  | COMP           | GRAB                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE                 | TIME  |              | 1                                                                                                                                                                                                                                                                                                                             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                                         |
| 1.                                                                                                                                                                                                                                                                                                                 | JPP-6.2-013025                   | Soil             |                | G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1/30/25              | 12:44 | 3            | X                                                                                                                                                                                                                                                                                                                             | X | X |   |   |   |   |   |   |                                                                                         |
| 2.                                                                                                                                                                                                                                                                                                                 | JPP-6.2-013025                   | Soil             | L              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1/30/25              | 12:52 | 8            |                                                                                                                                                                                                                                                                                                                               |   | X | X | X | X | X | X | X |                                                                                         |
| 3.                                                                                                                                                                                                                                                                                                                 |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |
| 4.                                                                                                                                                                                                                                                                                                                 |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |
| 5.                                                                                                                                                                                                                                                                                                                 |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |
| 6.                                                                                                                                                                                                                                                                                                                 |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |
| 7.                                                                                                                                                                                                                                                                                                                 |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |
| 8.                                                                                                                                                                                                                                                                                                                 |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |
| 9.                                                                                                                                                                                                                                                                                                                 |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |
| 10.                                                                                                                                                                                                                                                                                                                |                                  |                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |       |              |                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |   |                                                                                         |

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

|                                   |                       |                  |                                                                                                                                                                    |
|-----------------------------------|-----------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. RA | DATE/TIME:<br>1-30-25 | RECEIVED BY:<br> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 4.1 °C |
| RELINQUISHED BY SAMPLER:<br>2.    | DATE/TIME:            | RECEIVED BY:     | Comments:<br>Preserve extra Sample Jar if additional analysis is Required<br>JR-Guth                                                                               |
| RELINQUISHED BY SAMPLER:<br>3.    | DATE/TIME:            | RECEIVED BY:     |                                                                                                                                                                    |

Page 2 of 2

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

Shipment Complete  
☐ YES ☐ NO

**Laboratory Certification**

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |

## LOGIN REPORT/SAMPLE TRANSFER

|                                            |               |                                                |                                |
|--------------------------------------------|---------------|------------------------------------------------|--------------------------------|
| <b>Order ID :</b> Q1242                    | <b>RUTW01</b> | <b>Order Date :</b> 1/30/2025 3:02:00 PM       | <b>Project Mgr :</b>           |
| <b>Client Name :</b> RU2 Engineering, LLC  |               | <b>Project Name :</b> NYCDDC SANTWOBR B1       | <b>Report Type :</b> NYS ASP B |
| <b>Client Contact :</b> Rutu Manani        |               | <b>Receive DateTime :</b> 1/30/2025 2:53:00 PM | <b>EDD Type :</b> Excel NY     |
| <b>Invoice Name :</b> RU2 Engineering, LLC |               | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>        |
| <b>Invoice Contact :</b> Rutu Manani       |               |                                                | <b>Date Signoff :</b>          |

| LAB ID   | CLIENT ID      | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD | FAX DATE | DUE DATES    |
|----------|----------------|--------|-------------|-------------|--------------|------------|--------|----------|--------------|
| Q1242-01 | JPP-6.2-013025 | Solid  | 01/30/2025  | 12:44       | VOCMS Group1 |            | 8260D  |          | 10 Bus. Days |

Relinquished By :   
Date / Time : 1-30-25 15:50

Received By :   
Date / Time : 1/30/25 1830

Storage Area : VOA Refridgerator Room

## LOGIN REPORT/SAMPLE TRANSFER

|                                            |        |                                                |                                |
|--------------------------------------------|--------|------------------------------------------------|--------------------------------|
| <b>Order ID :</b> Q1242                    | RUTW01 | <b>Order Date :</b> 1/30/2025 3:02:00 PM       | <b>Project Mgr :</b>           |
| <b>Client Name :</b> RU2 Engineering, LLC  |        | <b>Project Name :</b> NYCDDC SANTWOBR B        | <b>Report Type :</b> NYS ASP B |
| <b>Client Contact :</b> Rutu Manani        |        | <b>Receive DateTime :</b> 1/30/2025 2:53:00 PM | <b>EDD Type :</b> Excel NY     |
| <b>Invoice Name :</b> RU2 Engineering, LLC |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>        |
| <b>Invoice Contact :</b> Rutu Manani       |        |                                                | <b>Date Signoff :</b>          |

| LAB ID   | CLIENT ID      | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST                    | TEST GROUP | METHOD | FAX DATE | DUE DATES    |
|----------|----------------|--------|-------------|-------------|-------------------------|------------|--------|----------|--------------|
| Q1242-01 | JPP-6.2-013025 | Solid  | 01/30/2025  | 12:44       | Gasoline Range Organics |            | 8015D  |          | 10 Bus. Days |

Relinquished By :

Date / Time : 1-30-25 / 550

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room