

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

| NYSDEC Sample<br>ID/Code       | Laboratory Sample<br>ID/Code | VOA GC/MS<br>(Method #) | BNA GC/MS<br>(Method #) | VOA GC<br>(Method #) | Pest PCBs<br>(Method #) | Metals<br>(Method #) | Other<br>(Method #)                 |
|--------------------------------|------------------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------------------|
| PR-132-S16-015094-20<br>251021 | Q3419-01                     | 8260D                   | 8270E                   |                      | 8081B,<br>8082A         | 6020B,<br>7471B      | 7196A, Chemtech -SOP,<br>Lloyd Kahn |
| PR132-S16-119133-202<br>51021  | Q3419-04                     | 8260D                   | 8270E                   |                      | 8081B,<br>8082A         | 6020B,<br>7471B      | 7196A, Chemtech -SOP,<br>Lloyd Kahn |
| PR132-S16-094119-202<br>51021  | Q3419-05                     | 8260D                   | 8270E                   |                      | 8081B,<br>8082A         | 6020B,<br>7471B      | 7196A, Chemtech -SOP,<br>Lloyd Kahn |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

| Laboratory Sample ID | Matrix | Date Collected | Date Rec'd at Lab | Date Extracted | Date Analyzed |
|----------------------|--------|----------------|-------------------|----------------|---------------|
| Q3419-01             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/29/25      |
| Q3419-04             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/29/25      |
| Q3419-05             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/28/25      |

\* Details For Test : SVOC-TCL BNA -20

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

| Laboratory Sample ID | Matrix | Date Collected | Date Rec'd at Lab | Date Extracted | Date Analyzed |
|----------------------|--------|----------------|-------------------|----------------|---------------|
| Q3419-01             | SOIL   | 10/21/25       | 10/21/25          |                | 10/22/25      |
| Q3419-04             | SOIL   | 10/21/25       | 10/21/25          |                | 10/22/25      |
| Q3419-05             | SOIL   | 10/21/25       | 10/21/25          |                | 10/22/25      |

\* Details For Test : VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

| Laboratory Sample ID | Matrix | Date Collected | Date Rec'd at Lab | Date Extracted | Date Analyzed |
|----------------------|--------|----------------|-------------------|----------------|---------------|
| Q3419-01             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/27/25      |
| Q3419-04             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/24/25      |
| Q3419-05             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/24/25      |

\* Details For Test : PCB



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

| Laboratory Sample ID | Matrix | Date Collected | Date Rec'd at Lab | Date Extracted | Date Analyzed |
|----------------------|--------|----------------|-------------------|----------------|---------------|
| Q3419-01             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/23/25      |
| Q3419-04             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/23/25      |
| Q3419-05             | SOIL   | 10/21/25       | 10/21/25          | 10/23/25       | 10/23/25      |

\* Details For Test : Pesticide-TCL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

| Laboratory Sample ID | Matrix | Analytical Protocol | Extraction Method | Auxiliary Cleanup | Dil/Conc Factor |
|----------------------|--------|---------------------|-------------------|-------------------|-----------------|
| Q3419-01             | Solid  | 8260D               | 5035              |                   |                 |
| Q3419-02             | Solid  | 8260D               | 5035              |                   |                 |
| Q3419-03             | Solid  | 8260D               | 5035              |                   |                 |
| Q3419-04             | Solid  | 8260D               | 5035              |                   |                 |
| Q3419-05             | Solid  | 8260D               | 5035              |                   |                 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

| Laboratory Sample ID | Matrix | Analytical Protocol | Extraction Method | Auxiliary Cleanup | Dil/Conc Factor |
|----------------------|--------|---------------------|-------------------|-------------------|-----------------|
| Q3419-01             | Solid  | 8081B               | 3541              |                   |                 |
| Q3419-01             | Solid  | 8082A               | 3541              |                   |                 |
| Q3419-02             | Solid  | 8081B               | 3541              |                   |                 |
| Q3419-02             | Solid  | 8082A               | 3541              |                   |                 |
| Q3419-03             | Solid  | 8081B               | 3541              |                   |                 |
| Q3419-03             | Solid  | 8082A               | 3541              |                   |                 |
| Q3419-04             | Solid  | 8081B               | 3541              |                   |                 |
| Q3419-04             | Solid  | 8082A               | 3541              |                   |                 |
| Q3419-05             | Solid  | 8081B               | 3541              |                   |                 |
| Q3419-05             | Solid  | 8082A               | 3541              |                   |                 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

| Laboratory Sample ID | Matrix | Analytical Protocol | Extraction Method | Auxiliary Cleanup | Dil/Conc Factor |
|----------------------|--------|---------------------|-------------------|-------------------|-----------------|
| Q3419-01             | Solid  | 8270E               | 3550              |                   |                 |
| Q3419-02             | Solid  | 8270E               | 3550              |                   |                 |
| Q3419-03             | Solid  | 8270E               | 3550              |                   |                 |
| Q3419-04             | Solid  | 8270E               | 3550              |                   |                 |
| Q3419-05             | Solid  | 8270E               | 3550              |                   |                 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

| Laboratory Sample ID | Matrix | Analytical Protocol | Extraction Method | Auxiliary Cleanup | Dil/Conc Factor |
|----------------------|--------|---------------------|-------------------|-------------------|-----------------|
| Q3419-01             | SOIL   | Mercury             | 10/21/25          | 10/23/25          | 10/23/25        |
| Q3419-04             | SOIL   | Mercury             | 10/21/25          | 10/23/25          | 10/23/25        |
| Q3419-05             | SOIL   | Mercury             | 10/21/25          | 10/23/25          | 10/23/25        |

\* Details For Test : Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

| Laboratory Sample ID | Matrix | Analytical Protocol | Extraction Method | Auxiliary Cleanup | Dil/Conc Factor |
|----------------------|--------|---------------------|-------------------|-------------------|-----------------|
| Q3419-01             | SOIL   | Metals ICP-TAL      | 10/21/25          | 10/23/25          | 10/23/25        |
| Q3419-04             | SOIL   | Metals ICP-TAL      | 10/21/25          | 10/23/25          | 10/23/25        |
| Q3419-05             | SOIL   | Metals ICP-TAL      | 10/21/25          | 10/23/25          | 10/23/25        |

\* Details For Test : Metals ICP-TAL

## Cover Page

**Order ID :** Q3419

**Project ID :** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

**Client :** AECOM

### Lab Sample Number

Q3419-01  
Q3419-02  
Q3419-03  
Q3419-04  
Q3419-05

### Client Sample Number

PR-132-S16-015094-20251021  
PR-132-S16-015094-20251021MS  
PR-132-S16-015094-20251021MSD  
PR132-S16-119133-20251021  
PR132-S16-094119-20251021

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

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

Date: 11/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

### **AECOM**

**Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206**

**Project # N/A**

**Order ID # Q3419**

**Test Name: Pesticide-TCL**

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

5 Solid samples were received on 10/21/2025.

### **B. Parameters**

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

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

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

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

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries for {Q3419-02MS} with File ID: PD090811.D met requirements for all samples except for [Endosulfan sulfate(1)57% - Endosulfan sulfate(2)56%] due to matrix interference.

The MSD {Q3419-03MSD} with File ID: PD090812.D recoveries met requirements for all samples except for [Endosulfan sulfate(1)56% - Endosulfan sulfate(2)56%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

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

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





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

**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\_\_\_\_\_

## DATA REPORTING QUALIFIERS- ORGANIC

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

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



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

ORDER ID: Q3419

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 for {Q3419-02MS} with File ID: PD090811.D met requirements for all samples except for [Endosulfan sulfate(1)57% - Endosulfan sulfate(2)56%] due to matrix interference.<br><br>The MSD {Q3419-03MSD} with File ID: PD090812.D recoveries met requirements for all samples except for [Endosulfan sulfate(1)56% - Endosulfan sulfate(2)56%] due to matrix interference.<br><br>The Blank Spike met requirements for all compounds.<br><br>The RPD were met for all analysis. |    | ✓  |     |
| 7. Retention Time Shift Meet Criteria (if applicable)<br><br>Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    | ✓   |
| 8. Extraction Holding Time Met<br><br>If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |    | ✓   |



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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:**

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

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QA REVIEW

---

Date

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q3419

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/01/2025

## LAB CHRONICLE

|                 |              |                   |                                 |
|-----------------|--------------|-------------------|---------------------------------|
| <b>OrderID:</b> | Q3419        | <b>OrderDate:</b> | 10/22/2025 11:01:00 AM          |
| <b>Client:</b>  | AECOM        | <b>Project:</b>   | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - |
| <b>Contact:</b> | Rob Forstner | <b>Location:</b>  | 609937051719208 Soil            |

| LabID           | ClientID                               | Matrix      | Test          | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|----------------------------------------|-------------|---------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q3419-01</b> | <b>PR-132-S16-015094-2<br/>0251021</b> | <b>SOIL</b> |               |        | <b>10/21/25</b> |           |           | <b>10/21/25</b> |
|                 |                                        |             | PCB           | 8082A  |                 | 10/23/25  | 10/27/25  |                 |
|                 |                                        |             | Pesticide-TCL | 8081B  |                 | 10/23/25  | 10/23/25  |                 |
| <b>Q3419-04</b> | <b>PR132-S16-119133-2<br/>0251021</b>  | <b>SOIL</b> |               |        | <b>10/21/25</b> |           |           | <b>10/21/25</b> |
|                 |                                        |             | PCB           | 8082A  |                 | 10/23/25  | 10/24/25  |                 |
|                 |                                        |             | Pesticide-TCL | 8081B  |                 | 10/23/25  | 10/23/25  |                 |
| <b>Q3419-05</b> | <b>PR132-S16-094119-2<br/>0251021</b>  | <b>SOIL</b> |               |        | <b>10/21/25</b> |           |           | <b>10/21/25</b> |
|                 |                                        |             | PCB           | 8082A  |                 | 10/23/25  | 10/24/25  |                 |
|                 |                                        |             | Pesticide-TCL | 8081B  |                 | 10/23/25  | 10/23/25  |                 |

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

**SDG No.:** Q3419

**Order ID:** Q3419

**Client:** AECOM

**Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

| Sample ID                              | Client ID           | Matrix | Parameter | Concentration | C  | MDL  | RDL  | Units |
|----------------------------------------|---------------------|--------|-----------|---------------|----|------|------|-------|
| Client ID : PR-132-S16-015094-20251021 |                     |        |           |               |    |      |      |       |
| Q3419-01                               | PR-132-S16-015094-2 | SOIL   | 4,4-DDE   | 0.62          | JP | 0.26 | 3.10 | ug/kg |
| Total Concentration:                   |                     |        |           | 0.620         |    |      |      |       |
| Client ID : PR132-S16-094119-20251021  |                     |        |           |               |    |      |      |       |
| Q3419-05                               | PR132-S16-094119-20 | SOIL   | Dieldrin  | 2.40          | JP | 0.30 | 3.60 | ug/kg |
| Q3419-05                               | PR132-S16-094119-20 | SOIL   | 4,4-DDE   | 3.60          |    | 0.30 | 3.60 | ug/kg |
| Total Concentration:                   |                     |        |           | 6.000         |    |      |      |       |



# QC SUMMARY



### Surrogate Summary

SDG No.: Q3419

Client: AECOM

Analytical Method: 8081B

| Lab Sample ID    | Client ID                   | Parameter         | Column | Spike | Result | Recovery(%) | Qual | Limits(%) |      |
|------------------|-----------------------------|-------------------|--------|-------|--------|-------------|------|-----------|------|
|                  |                             |                   |        |       |        |             |      | Low       | High |
| I.BLK-PD090647.D | PIBLK-PD090647.D            | Decachlorobiphen  | 1      | 20    | 21.3   | 106         |      | 31        | 149  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 19.4   | 97          |      | 41        | 134  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 20.3   | 102         |      | 31        | 149  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 20.0   | 100         |      | 41        | 134  |
| I.BLK-PD090775.D | PIBLK-PD090775.D            | Decachlorobiphen  | 1      | 20    | 21.7   | 109         |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 20.3   | 101         |      | 61        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 24.9   | 124         |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 21.1   | 106         |      | 61        | 148  |
| PB170213BL       | PB170213BL                  | Decachlorobiphen  | 1      | 20    | 20.7   | 103         |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 18.7   | 94          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 23.8   | 119         |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 20.1   | 101         |      | 19        | 148  |
| PB170213BS       | PB170213BS                  | Decachlorobiphen  | 1      | 20    | 22.1   | 110         |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 17.6   | 88          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 26.0   | 130         |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 18.3   | 91          |      | 19        | 148  |
| Q3395-03MS       | PR132-S07-000102-20251017MS | Decachlorobiphen  | 1      | 20    | 15.2   | 76          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 14.4   | 72          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 15.5   | 77          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 15.5   | 78          |      | 19        | 148  |
| Q3395-04MSD      | PR132-S07-000102-20251017MS | Decachlorobiphen  | 1      | 20    | 16.4   | 82          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 15.3   | 76          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 16.4   | 82          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 16.4   | 82          |      | 19        | 148  |
| I.BLK-PD090788.D | PIBLK-PD090788.D            | Decachlorobiphen  | 1      | 20    | 20.9   | 105         |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 20.0   | 100         |      | 61        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 23.5   | 117         |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 20.8   | 104         |      | 61        | 148  |
| Q3419-01         | PR-132-S16-015094-20251021  | Decachlorobiphen  | 1      | 20    | 12.9   | 65          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 13.3   | 67          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 13.7   | 68          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 14.4   | 72          |      | 19        | 148  |
| Q3419-04         | PR132-S16-119133-20251021   | Decachlorobiphen  | 1      | 20    | 18.2   | 91          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 15.7   | 78          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 14.9   | 74          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 16.5   | 83          |      | 19        | 148  |
| Q3419-05         | PR132-S16-094119-20251021   | Decachlorobiphen  | 1      | 20    | 17.0   | 85          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 13.7   | 69          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 15.3   | 77          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 15.3   | 76          |      | 19        | 148  |
| I.BLK-PD090799.D | PIBLK-PD090799.D            | Decachlorobiphen  | 1      | 20    | 21.1   | 105         |      | 57        | 171  |

### Surrogate Summary

SDG No.: Q3419

Client: AECOM

Analytical Method: 8081B

| Lab Sample ID    | Client ID                   | Parameter         | Column | Spike | Result | Recovery(%) | Qual | Limits(%) |      |
|------------------|-----------------------------|-------------------|--------|-------|--------|-------------|------|-----------|------|
|                  |                             |                   |        |       |        |             |      | Low       | High |
| I.BLK-PD090799.D | PIBLK-PD090799.D            | Tetrachloro-m-xyl | 1      | 20    | 19.7   | 99          |      | 61        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 23.4   | 117         |      | 57        | 171  |
| I.BLK-PD090808.D | PIBLK-PD090808.D            | Tetrachloro-m-xyl | 2      | 20    | 20.3   | 101         |      | 61        | 148  |
|                  |                             | Decachlorobiphen  | 1      | 20    | 22.0   | 110         |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 20.8   | 104         |      | 61        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 24.1   | 120         |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 21.1   | 106         |      | 61        | 148  |
| Q3419-02MS       | PR-132-S16-015094-20251021M | Decachlorobiphen  | 1      | 20    | 12.3   | 62          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 12.4   | 62          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 12.6   | 63          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 12.6   | 63          |      | 19        | 148  |
| Q3419-03MSD      | PR-132-S16-015094-20251021M | Decachlorobiphen  | 1      | 20    | 12.2   | 61          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 12.1   | 60          |      | 19        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 12.7   | 64          |      | 20        | 144  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 12.6   | 63          |      | 19        | 148  |
| I.BLK-PD090823.D | PIBLK-PD090823.D            | Decachlorobiphen  | 1      | 20    | 17.3   | 87          |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 1      | 20    | 18.6   | 93          |      | 61        | 148  |
|                  |                             | Decachlorobiphen  | 2      | 20    | 12.3   | 61          |      | 57        | 171  |
|                  |                             | Tetrachloro-m-xyl | 2      | 20    | 19.6   | 98          |      | 61        | 148  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3419</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090784.D</u> |

|                | Parameter                | Spike             | Sample |                          | Units | Rec | Rec  | RPD  | Low | Limits | RPD |
|----------------|--------------------------|-------------------|--------|--------------------------|-------|-----|------|------|-----|--------|-----|
|                |                          |                   | Result |                          |       |     | Qual | Qual |     | High   |     |
| Lab Sample ID: | Q3395-03MS<br>(Column 1) | Client Sample ID: |        | PR132-S07-000102-2025101 |       |     |      |      |     |        |     |
|                | alpha-BHC                | 34.78             | 0      | 31.9                     | ug/kg | 92  |      |      | 60  | 144    |     |
|                | beta-BHC                 | 34.78             | 0      | 27.9                     | ug/kg | 80  |      |      | 54  | 143    |     |
|                | delta-BHC                | 34.78             | 0      | 32.6                     | ug/kg | 94  |      |      | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 34.78             | 0      | 31.9                     | ug/kg | 92  |      |      | 61  | 140    |     |
|                | Heptachlor               | 34.78             | 0      | 38.0                     | ug/kg | 109 |      |      | 63  | 135    |     |
|                | Aldrin                   | 34.78             | 0      | 32.6                     | ug/kg | 94  |      |      | 49  | 139    |     |
|                | Heptachlor epoxide       | 34.78             | 0      | 33.3                     | ug/kg | 96  |      |      | 41  | 156    |     |
|                | Endosulfan I             | 34.78             | 0      | 32.6                     | ug/kg | 94  |      |      | 56  | 142    |     |
|                | Dieldrin                 | 34.78             | 0.4239 | 32.7                     | ug/kg | 90  |      |      | 47  | 161    |     |
|                | 4,4'-DDE                 | 34.78             | 6.9    | 36.6                     | ug/kg | 85  |      |      | 55  | 136    |     |
|                | Endrin                   | 34.78             | 0      | 32.6                     | ug/kg | 94  |      |      | 57  | 139    |     |
|                | Endosulfan II            | 34.78             | 0      | 31.1                     | ug/kg | 89  |      |      | 40  | 163    |     |
|                | 4,4'-DDD                 | 34.78             | 1.5    | 34.6                     | ug/kg | 95  |      |      | 47  | 163    |     |
|                | Endosulfan sulfate       | 34.78             | 0      | 32.5                     | ug/kg | 93  |      |      | 62  | 139    |     |
|                | 4,4'-DDT                 | 34.78             | 0      | 33.8                     | ug/kg | 97  |      |      | 51  | 146    |     |
|                | Methoxychlor             | 34.78             | 0      | 33.5                     | ug/kg | 96  |      |      | 54  | 136    |     |
|                | Endrin ketone            | 34.78             | 0      | 33.7                     | ug/kg | 97  |      |      | 60  | 129    |     |
|                | Endrin aldehyde          | 34.78             | 0      | 32.9                     | ug/kg | 95  |      |      | 59  | 132    |     |
|                | alpha-Chlordane          | 34.78             | 0      | 36.2                     | ug/kg | 104 |      |      | 39  | 166    |     |
|                | gamma-Chlordane          | 34.78             | 0      | 30.8                     | ug/kg | 89  |      |      | 44  | 175    |     |
| Lab Sample ID: | Q3395-03MS<br>(Column 2) | Client Sample ID: |        | PR132-S07-000102-2025101 |       |     |      |      |     |        |     |
|                | alpha-BHC                | 34.78             | 0      | 28.7                     | ug/kg | 83  |      |      | 60  | 144    |     |
|                | beta-BHC                 | 34.78             | 0      | 28.9                     | ug/kg | 83  |      |      | 54  | 143    |     |
|                | delta-BHC                | 34.78             | 0      | 30.5                     | ug/kg | 88  |      |      | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 34.78             | 0      | 29.2                     | ug/kg | 84  |      |      | 61  | 140    |     |
|                | Heptachlor               | 34.78             | 0      | 31.9                     | ug/kg | 92  |      |      | 63  | 135    |     |
|                | Aldrin                   | 34.78             | 0      | 29.7                     | ug/kg | 85  |      |      | 49  | 139    |     |
|                | Heptachlor epoxide       | 34.78             | 0      | 31.2                     | ug/kg | 90  |      |      | 41  | 156    |     |
|                | Endosulfan I             | 34.78             | 0      | 26.7                     | ug/kg | 77  |      |      | 56  | 142    |     |
|                | Dieldrin                 | 34.78             | 1.3    | 31.4                     | ug/kg | 90  |      |      | 47  | 161    |     |
|                | 4,4'-DDE                 | 34.78             | 5.3    | 33.5                     | ug/kg | 96  |      |      | 55  | 136    |     |
|                | Endrin                   | 34.78             | 0      | 29.7                     | ug/kg | 85  |      |      | 57  | 139    |     |
|                | Endosulfan II            | 34.78             | 0      | 30.9                     | ug/kg | 89  |      |      | 40  | 163    |     |
|                | 4,4'-DDD                 | 34.78             | 1      | 29.7                     | ug/kg | 85  |      |      | 47  | 163    |     |
|                | Endosulfan sulfate       | 34.78             | 0      | 30.8                     | ug/kg | 89  |      |      | 62  | 139    |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3419</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090784.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec | Qual | RPD | Qual | Low | Limits |     |
|-----------------|-------|--------|--------|-------|-----|-----|------|-----|------|-----|--------|-----|
|                 |       | Result | Result |       |     |     |      |     |      |     | High   | RPD |
| 4,4'-DDT        | 34.78 | 0      | 30.9   | ug/kg | 89  |     |      |     |      | 51  | 146    |     |
| Methoxychlor    | 34.78 | 0      | 32.0   | ug/kg | 92  |     |      |     |      | 54  | 136    |     |
| Endrin ketone   | 34.78 | 0      | 30.2   | ug/kg | 87  |     |      |     |      | 60  | 129    |     |
| Endrin aldehyde | 34.78 | 0      | 31.0   | ug/kg | 89  |     |      |     |      | 59  | 132    |     |
| alpha-Chlordane | 34.78 | 0      | 31.0   | ug/kg | 89  |     |      |     |      | 39  | 166    |     |
| gamma-Chlordane | 34.78 | 0      | 31.6   | ug/kg | 91  |     |      |     |      | 44  | 175    |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

SW-846

**SDG No.:** Q3419 **Analytical Method:** 8081B  
**Client:** AECOM **DataFile :** PD090785.D

|                | Parameter           | Spike             | Sample | Result                   | Units | Rec  | Rec | RPD  | RPD | Qual | Low | Limits | RPD |
|----------------|---------------------|-------------------|--------|--------------------------|-------|------|-----|------|-----|------|-----|--------|-----|
|                |                     |                   | Result |                          |       | Qual |     | Qual |     | High |     |        |     |
| Lab Sample ID: | Q3395-04MSD         | Client Sample ID: |        | PR132-S07-000102-2025101 |       |      |     |      |     |      |     |        |     |
|                | (Column 1)          |                   |        |                          |       |      |     |      |     |      |     |        |     |
|                | alpha-BHC           | 34.7              | 0      | 31.9                     | ug/kg | 92   |     | 0    |     |      | 60  | 144    | 20  |
|                | beta-BHC            | 34.7              | 0      | 26.3                     | ug/kg | 76   |     | 5    |     |      | 54  | 143    | 20  |
|                | delta-BHC           | 34.7              | 0      | 32.6                     | ug/kg | 94   |     | 0    |     |      | 29  | 151    | 20  |
|                | gamma-BHC (Lindane) | 34.7              | 0      | 31.9                     | ug/kg | 92   |     | 0    |     |      | 61  | 140    | 20  |
|                | Heptachlor          | 34.7              | 0      | 38.1                     | ug/kg | 110  |     | 1    |     |      | 63  | 135    | 20  |
|                | Aldrin              | 34.7              | 0      | 32.6                     | ug/kg | 94   |     | 0    |     |      | 49  | 139    | 20  |
|                | Heptachlor epoxide  | 34.7              | 0      | 32.4                     | ug/kg | 93   |     | 3    |     |      | 41  | 156    | 20  |
|                | Endosulfan I        | 34.7              | 0      | 31.9                     | ug/kg | 92   |     | 2    |     |      | 56  | 142    | 20  |
|                | Dieldrin            | 34.7              | 0.4239 | 32.9                     | ug/kg | 91   |     | 1    |     |      | 47  | 161    | 20  |
|                | 4,4'-DDE            | 34.7              | 6.9    | 37.2                     | ug/kg | 87   |     | 2    |     |      | 55  | 136    | 20  |
|                | Endrin              | 34.7              | 0      | 32.1                     | ug/kg | 93   |     | 1    |     |      | 57  | 139    | 20  |
|                | Endosulfan II       | 34.7              | 0      | 31.5                     | ug/kg | 91   |     | 2    |     |      | 40  | 163    | 20  |
|                | 4,4'-DDD            | 34.7              | 1.5    | 34.4                     | ug/kg | 95   |     | 0    |     |      | 47  | 163    | 20  |
|                | Endosulfan sulfate  | 34.7              | 0      | 32.5                     | ug/kg | 94   |     | 1    |     |      | 62  | 139    | 20  |
|                | 4,4'-DDT            | 34.7              | 0      | 34.0                     | ug/kg | 98   |     | 1    |     |      | 51  | 146    | 20  |
|                | Methoxychlor        | 34.7              | 0      | 33.2                     | ug/kg | 96   |     | 0    |     |      | 54  | 136    | 20  |
|                | Endrin ketone       | 34.7              | 0      | 34.1                     | ug/kg | 98   |     | 1    |     |      | 60  | 129    | 20  |
|                | Endrin aldehyde     | 34.7              | 0      | 32.8                     | ug/kg | 95   |     | 0    |     |      | 59  | 132    | 20  |
|                | alpha-Chlordane     | 34.7              | 0      | 31.4                     | ug/kg | 90   |     | 14   |     |      | 39  | 166    | 20  |
|                | gamma-Chlordane     | 34.7              | 0      | 31.0                     | ug/kg | 89   |     | 0    |     |      | 44  | 175    | 20  |
| Lab Sample ID: | Q3395-04MSD         | Client Sample ID: |        | PR132-S07-000102-2025101 |       |      |     |      |     |      |     |        |     |
|                | (Column 2)          |                   |        |                          |       |      |     |      |     |      |     |        |     |
|                | alpha-BHC           | 34.7              | 0      | 28.6                     | ug/kg | 82   |     | 1    |     |      | 60  | 144    | 20  |
|                | beta-BHC            | 34.7              | 0      | 28.9                     | ug/kg | 83   |     | 0    |     |      | 54  | 143    | 20  |
|                | delta-BHC           | 34.7              | 0      | 30.3                     | ug/kg | 87   |     | 1    |     |      | 29  | 151    | 20  |
|                | gamma-BHC (Lindane) | 34.7              | 0      | 29.1                     | ug/kg | 84   |     | 0    |     |      | 61  | 140    | 20  |
|                | Heptachlor          | 34.7              | 0      | 32.0                     | ug/kg | 92   |     | 0    |     |      | 63  | 135    | 20  |
|                | Aldrin              | 34.7              | 0      | 29.7                     | ug/kg | 86   |     | 1    |     |      | 49  | 139    | 20  |
|                | Heptachlor epoxide  | 34.7              | 0      | 30.7                     | ug/kg | 88   |     | 2    |     |      | 41  | 156    | 20  |
|                | Endosulfan I        | 34.7              | 0      | 26.5                     | ug/kg | 76   |     | 1    |     |      | 56  | 142    | 20  |
|                | Dieldrin            | 34.7              | 1.3    | 31.4                     | ug/kg | 90   |     | 0    |     |      | 47  | 161    | 20  |
|                | 4,4'-DDE            | 34.7              | 5.3    | 33.4                     | ug/kg | 96   |     | 0    |     |      | 55  | 136    | 20  |
|                | Endrin              | 34.7              | 0      | 29.1                     | ug/kg | 84   |     | 1    |     |      | 57  | 139    | 20  |
|                | Endosulfan II       | 34.7              | 0      | 31.1                     | ug/kg | 90   |     | 1    |     |      | 40  | 163    | 20  |
|                | 4,4'-DDD            | 34.7              | 1      | 29.5                     | ug/kg | 85   |     | 0    |     |      | 47  | 163    | 20  |
|                | Endosulfan sulfate  | 34.7              | 0      | 30.6                     | ug/kg | 88   |     | 1    |     |      | 62  | 139    | 20  |

### Matrix Spike/Matrix Spike Duplicate Summary

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|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3419</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090785.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| 4,4'-DDT        | 34.7  | 0      | 30.8   | ug/kg | 89  |      | 0   |      | 51  | 146    | 20  |
| Methoxychlor    | 34.7  | 0      | 32.5   | ug/kg | 94  |      | 2   |      | 54  | 136    | 20  |
| Endrin ketone   | 34.7  | 0      | 29.9   | ug/kg | 86  |      | 1   |      | 60  | 129    | 20  |
| Endrin aldehyde | 34.7  | 0      | 30.8   | ug/kg | 89  |      | 0   |      | 59  | 132    | 20  |
| alpha-Chlordane | 34.7  | 0      | 30.8   | ug/kg | 89  |      | 0   |      | 39  | 166    | 20  |
| gamma-Chlordane | 34.7  | 0      | 31.3   | ug/kg | 90  |      | 1   |      | 44  | 175    | 20  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3419</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090811.D</u> |

|                | Parameter                | Spike             | Sample |                          | Units | Rec | Rec  | RPD | RPD  | Low | Limits |     |
|----------------|--------------------------|-------------------|--------|--------------------------|-------|-----|------|-----|------|-----|--------|-----|
|                |                          |                   | Result |                          |       |     | Qual |     | Qual |     | High   | RPD |
| Lab Sample ID: | Q3419-02MS<br>(Column 1) | Client Sample ID: |        | PR-132-S16-015094-202510 |       |     |      |     |      |     |        |     |
|                | alpha-BHC                | 30.56             | 0      | 24.4                     | ug/kg | 80  |      |     |      | 60  | 144    |     |
|                | beta-BHC                 | 30.56             | 0      | 25.4                     | ug/kg | 83  |      |     |      | 54  | 143    |     |
|                | delta-BHC                | 30.56             | 0      | 19.1                     | ug/kg | 63  |      |     |      | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 30.56             | 0      | 20.0                     | ug/kg | 65  |      |     |      | 61  | 140    |     |
|                | Heptachlor               | 30.56             | 0      | 30.9                     | ug/kg | 101 |      |     |      | 63  | 135    |     |
|                | Aldrin                   | 30.56             | 0      | 27.2                     | ug/kg | 89  |      |     |      | 49  | 139    |     |
|                | Heptachlor epoxide       | 30.56             | 0      | 27.3                     | ug/kg | 89  |      |     |      | 41  | 156    |     |
|                | Endosulfan I             | 30.56             | 0      | 26.9                     | ug/kg | 88  |      |     |      | 56  | 142    |     |
|                | Dieldrin                 | 30.56             | 0      | 27.8                     | ug/kg | 91  |      |     |      | 47  | 161    |     |
|                | 4,4'-DDE                 | 30.56             | 0.624  | 27.4                     | ug/kg | 88  |      |     |      | 55  | 136    |     |
|                | Endrin                   | 30.56             | 0      | 26.6                     | ug/kg | 87  |      |     |      | 57  | 139    |     |
|                | Endosulfan II            | 30.56             | 0      | 26.6                     | ug/kg | 87  |      |     |      | 40  | 163    |     |
|                | 4,4'-DDD                 | 30.56             | 0      | 27.8                     | ug/kg | 91  |      |     |      | 47  | 163    |     |
|                | Endosulfan sulfate       | 30.56             | 0      | 17.5                     | ug/kg | 57  | *    |     |      | 62  | 139    |     |
|                | 4,4'-DDT                 | 30.56             | 0      | 26.4                     | ug/kg | 86  |      |     |      | 51  | 146    |     |
|                | Methoxychlor             | 30.56             | 0      | 25.9                     | ug/kg | 85  |      |     |      | 54  | 136    |     |
|                | Endrin ketone            | 30.56             | 0      | 27.7                     | ug/kg | 91  |      |     |      | 60  | 129    |     |
|                | Endrin aldehyde          | 30.56             | 0      | 20.6                     | ug/kg | 67  |      |     |      | 59  | 132    |     |
|                | alpha-Chlordane          | 30.56             | 0      | 26.4                     | ug/kg | 86  |      |     |      | 39  | 166    |     |
|                | gamma-Chlordane          | 30.56             | 0      | 27.4                     | ug/kg | 90  |      |     |      | 44  | 175    |     |
| Lab Sample ID: | Q3419-02MS<br>(Column 2) | Client Sample ID: |        | PR-132-S16-015094-202510 |       |     |      |     |      |     |        |     |
|                | alpha-BHC                | 30.56             | 0      | 22.4                     | ug/kg | 73  |      |     |      | 60  | 144    |     |
|                | beta-BHC                 | 30.56             | 0      | 25.6                     | ug/kg | 84  |      |     |      | 54  | 143    |     |
|                | delta-BHC                | 30.56             | 0      | 19.0                     | ug/kg | 62  |      |     |      | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 30.56             | 0      | 19.3                     | ug/kg | 63  |      |     |      | 61  | 140    |     |
|                | Heptachlor               | 30.56             | 0      | 26.1                     | ug/kg | 85  |      |     |      | 63  | 135    |     |
|                | Aldrin                   | 30.56             | 0      | 25.3                     | ug/kg | 83  |      |     |      | 49  | 139    |     |
|                | Heptachlor epoxide       | 30.56             | 0      | 25.4                     | ug/kg | 83  |      |     |      | 41  | 156    |     |
|                | Endosulfan I             | 30.56             | 0      | 24.1                     | ug/kg | 79  |      |     |      | 56  | 142    |     |
|                | Dieldrin                 | 30.56             | 0      | 26.3                     | ug/kg | 86  |      |     |      | 47  | 161    |     |
|                | 4,4'-DDE                 | 30.56             | 0.3181 | 26.0                     | ug/kg | 85  |      |     |      | 55  | 136    |     |
|                | Endrin                   | 30.56             | 0      | 24.0                     | ug/kg | 79  |      |     |      | 57  | 139    |     |
|                | Endosulfan II            | 30.56             | 0      | 26.4                     | ug/kg | 86  |      |     |      | 40  | 163    |     |
|                | 4,4'-DDD                 | 30.56             | 0      | 24.7                     | ug/kg | 81  |      |     |      | 47  | 163    |     |
|                | Endosulfan sulfate       | 30.56             | 0      | 17.1                     | ug/kg | 56  |      |     |      | 62  | 139    |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3419</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090811.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec  | RPD |      | Limits | RPD  |
|-----------------|-------|--------|--------|-------|-----|------|-----|------|--------|------|
|                 |       | Result | Result |       |     | Qual | RPD | Qual | Low    | High |
| 4,4'-DDT        | 30.56 | 0      | 25.5   | ug/kg | 83  |      |     |      | 51     | 146  |
| Methoxychlor    | 30.56 | 0      | 25.5   | ug/kg | 83  |      |     |      | 54     | 136  |
| Endrin ketone   | 30.56 | 0      | 27.6   | ug/kg | 90  |      |     |      | 60     | 129  |
| Endrin aldehyde | 30.56 | 0      | 19.5   | ug/kg | 64  |      |     |      | 59     | 132  |
| alpha-Chlordane | 30.56 | 0      | 25.8   | ug/kg | 84  |      |     |      | 39     | 166  |
| gamma-Chlordane | 30.56 | 0      | 26.6   | ug/kg | 87  |      |     |      | 44     | 175  |



**Matrix Spike/Matrix Spike Duplicate Summary**

SW-846

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3419</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090812.D</u> |

|                | Parameter           | Spike             | Sample | Result                   | Units | Rec  | Rec | RPD | RPD | Qual | Low | Limits | RPD |
|----------------|---------------------|-------------------|--------|--------------------------|-------|------|-----|-----|-----|------|-----|--------|-----|
|                |                     |                   | Result |                          |       | Qual |     | RPD |     | High |     |        |     |
| Lab Sample ID: | Q3419-03MSD         | Client Sample ID: |        | PR-132-S16-015094-202510 |       |      |     |     |     |      |     |        |     |
|                | (Column 1)          |                   |        |                          |       |      |     |     |     |      |     |        |     |
|                | alpha-BHC           | 30.62             | 0      | 23.8                     | ug/kg | 78   |     |     | 3   |      | 60  | 144    | 20  |
|                | beta-BHC            | 30.62             | 0      | 25.5                     | ug/kg | 83   |     |     | 0   |      | 54  | 143    | 20  |
|                | delta-BHC           | 30.62             | 0      | 19.1                     | ug/kg | 62   |     |     | 2   |      | 29  | 151    | 20  |
|                | gamma-BHC (Lindane) | 30.62             | 0      | 19.6                     | ug/kg | 64   |     |     | 2   |      | 61  | 140    | 20  |
|                | Heptachlor          | 30.62             | 0      | 30.6                     | ug/kg | 100  |     |     | 1   |      | 63  | 135    | 20  |
|                | Aldrin              | 30.62             | 0      | 27.2                     | ug/kg | 89   |     |     | 0   |      | 49  | 139    | 20  |
|                | Heptachlor epoxide  | 30.62             | 0      | 28.9                     | ug/kg | 94   |     |     | 5   |      | 41  | 156    | 20  |
|                | Endosulfan I        | 30.62             | 0      | 27.3                     | ug/kg | 89   |     |     | 1   |      | 56  | 142    | 20  |
|                | Dieldrin            | 30.62             | 0      | 27.7                     | ug/kg | 90   |     |     | 1   |      | 47  | 161    | 20  |
|                | 4,4'-DDE            | 30.62             | 0.624  | 27.1                     | ug/kg | 86   |     |     | 2   |      | 55  | 136    | 20  |
|                | Endrin              | 30.62             | 0      | 26.7                     | ug/kg | 87   |     |     | 0   |      | 57  | 139    | 20  |
|                | Endosulfan II       | 30.62             | 0      | 26.8                     | ug/kg | 88   |     |     | 1   |      | 40  | 163    | 20  |
|                | 4,4'-DDD            | 30.62             | 0      | 27.8                     | ug/kg | 91   |     |     | 0   |      | 47  | 163    | 20  |
|                | Endosulfan sulfate  | 30.62             | 0      | 17.2                     | ug/kg | 56   | *   |     | 2   |      | 62  | 139    | 20  |
|                | 4,4'-DDT            | 30.62             | 0      | 26.1                     | ug/kg | 85   |     |     | 1   |      | 51  | 146    | 20  |
|                | Methoxychlor        | 30.62             | 0      | 25.9                     | ug/kg | 85   |     |     | 0   |      | 54  | 136    | 20  |
|                | Endrin ketone       | 30.62             | 0      | 27.5                     | ug/kg | 90   |     |     | 1   |      | 60  | 129    | 20  |
|                | Endrin aldehyde     | 30.62             | 0      | 20.5                     | ug/kg | 67   |     |     | 0   |      | 59  | 132    | 20  |
|                | alpha-Chlordane     | 30.62             | 0      | 29.1                     | ug/kg | 95   |     |     | 10  |      | 39  | 166    | 20  |
|                | gamma-Chlordane     | 30.62             | 0      | 27.4                     | ug/kg | 89   |     |     | 1   |      | 44  | 175    | 20  |
| Lab Sample ID: | Q3419-03MSD         | Client Sample ID: |        | PR-132-S16-015094-202510 |       |      |     |     |     |      |     |        |     |
|                | (Column 2)          |                   |        |                          |       |      |     |     |     |      |     |        |     |
|                | alpha-BHC           | 30.62             | 0      | 22.4                     | ug/kg | 73   |     |     | 0   |      | 60  | 144    | 20  |
|                | beta-BHC            | 30.62             | 0      | 25.5                     | ug/kg | 83   |     |     | 1   |      | 54  | 143    | 20  |
|                | delta-BHC           | 30.62             | 0      | 18.9                     | ug/kg | 62   |     |     | 0   |      | 29  | 151    | 20  |
|                | gamma-BHC (Lindane) | 30.62             | 0      | 19.2                     | ug/kg | 63   |     |     | 0   |      | 61  | 140    | 20  |
|                | Heptachlor          | 30.62             | 0      | 26.3                     | ug/kg | 86   |     |     | 1   |      | 63  | 135    | 20  |
|                | Aldrin              | 30.62             | 0      | 25.7                     | ug/kg | 84   |     |     | 1   |      | 49  | 139    | 20  |
|                | Heptachlor epoxide  | 30.62             | 0      | 25.8                     | ug/kg | 84   |     |     | 1   |      | 41  | 156    | 20  |
|                | Endosulfan I        | 30.62             | 0      | 22.9                     | ug/kg | 75   |     |     | 5   |      | 56  | 142    | 20  |
|                | Dieldrin            | 30.62             | 0      | 26.5                     | ug/kg | 87   |     |     | 1   |      | 47  | 161    | 20  |
|                | 4,4'-DDE            | 30.62             | 0.3181 | 26.5                     | ug/kg | 87   |     |     | 2   |      | 55  | 136    | 20  |
|                | Endrin              | 30.62             | 0      | 24.5                     | ug/kg | 80   |     |     | 1   |      | 57  | 139    | 20  |
|                | Endosulfan II       | 30.62             | 0      | 26.5                     | ug/kg | 87   |     |     | 1   |      | 40  | 163    | 20  |
|                | 4,4'-DDD            | 30.62             | 0      | 24.7                     | ug/kg | 81   |     |     | 0   |      | 47  | 163    | 20  |
|                | Endosulfan sulfate  | 30.62             | 0      | 17.0                     | ug/kg | 56   |     |     | 0   |      | 62  | 139    | 20  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3419</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090812.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits |     |
|-----------------|-------|--------|--------|-------|-----|-------------|-----|-------------|-----|--------|-----|
|                 |       | Result | Result |       |     |             |     |             |     | High   | RPD |
| 4,4'-DDT        | 30.62 | 0      | 25.6   | ug/kg | 84  |             | 1   |             | 51  | 146    | 20  |
| Methoxychlor    | 30.62 | 0      | 25.9   | ug/kg | 85  |             | 2   |             | 54  | 136    | 20  |
| Endrin ketone   | 30.62 | 0      | 27.5   | ug/kg | 90  |             | 0   |             | 60  | 129    | 20  |
| Endrin aldehyde | 30.62 | 0      | 19.6   | ug/kg | 64  |             | 0   |             | 59  | 132    | 20  |
| alpha-Chlordane | 30.62 | 0      | 25.9   | ug/kg | 85  |             | 1   |             | 39  | 166    | 20  |
| gamma-Chlordane | 30.62 | 0      | 26.7   | ug/kg | 87  |             | 0   |             | 44  | 175    | 20  |

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

**SW-846**

**SDG No.:** Q3419

**Analytical Method:** 8081B

**Client:** AECOM

**Datafile :** PD090779.D

| Lab Sample ID            | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|--------------------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|                          |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB170213BS<br>(Column 1) | alpha-BHC           | 16.65 | 15.4   | ug/kg | 92  |     |      |      | 84  | 123    |     |
|                          | beta-BHC            | 16.65 | 15.1   | ug/kg | 91  |     |      |      | 82  | 123    |     |
|                          | delta-BHC           | 16.65 | 15.6   | ug/kg | 94  |     |      |      | 83  | 126    |     |
|                          | gamma-BHC (Lindane) | 16.65 | 15.2   | ug/kg | 91  |     |      |      | 83  | 125    |     |
|                          | Heptachlor          | 16.65 | 18.2   | ug/kg | 109 |     |      |      | 83  | 122    |     |
|                          | Aldrin              | 16.65 | 15.4   | ug/kg | 92  |     |      |      | 82  | 124    |     |
|                          | Heptachlor epoxide  | 16.65 | 15.9   | ug/kg | 95  |     |      |      | 83  | 120    |     |
|                          | Endosulfan I        | 16.65 | 15.6   | ug/kg | 94  |     |      |      | 81  | 124    |     |
|                          | Dieldrin            | 16.65 | 15.7   | ug/kg | 94  |     |      |      | 85  | 121    |     |
|                          | 4,4'-DDE            | 16.65 | 15.1   | ug/kg | 91  |     |      |      | 81  | 123    |     |
|                          | Endrin              | 16.65 | 15.5   | ug/kg | 93  |     |      |      | 76  | 130    |     |
|                          | Endosulfan II       | 16.65 | 16.2   | ug/kg | 97  |     |      |      | 80  | 125    |     |
|                          | 4,4'-DDD            | 16.65 | 16.8   | ug/kg | 101 |     |      |      | 80  | 131    |     |
|                          | Endosulfan sulfate  | 16.65 | 15.6   | ug/kg | 94  |     |      |      | 81  | 122    |     |
|                          | 4,4'-DDT            | 16.65 | 16.3   | ug/kg | 98  |     |      |      | 70  | 129    |     |
|                          | Methoxychlor        | 16.65 | 16.0   | ug/kg | 96  |     |      |      | 60  | 119    |     |
|                          | Endrin ketone       | 16.65 | 16.1   | ug/kg | 97  |     |      |      | 77  | 132    |     |
|                          | Endrin aldehyde     | 16.65 | 16.3   | ug/kg | 98  |     |      |      | 79  | 124    |     |
|                          | alpha-Chlordane     | 16.65 | 15.5   | ug/kg | 93  |     |      |      | 84  | 120    |     |
|                          | gamma-Chlordane     | 16.65 | 15.3   | ug/kg | 92  |     |      |      | 83  | 122    |     |
|                          | alpha-BHC           | 16.65 | 15.7   | ug/kg | 94  |     |      |      | 84  | 123    |     |
| PB170213BS<br>(Column 2) | beta-BHC            | 16.65 | 15.6   | ug/kg | 94  |     |      |      | 82  | 123    |     |
|                          | delta-BHC           | 16.65 | 15.9   | ug/kg | 95  |     |      |      | 83  | 126    |     |
|                          | gamma-BHC (Lindane) | 16.65 | 15.7   | ug/kg | 94  |     |      |      | 83  | 125    |     |
|                          | Heptachlor          | 16.65 | 16.2   | ug/kg | 97  |     |      |      | 83  | 122    |     |
|                          | Aldrin              | 16.65 | 15.9   | ug/kg | 95  |     |      |      | 82  | 124    |     |
|                          | Heptachlor epoxide  | 16.65 | 15.8   | ug/kg | 95  |     |      |      | 83  | 120    |     |
|                          | Endosulfan I        | 16.65 | 15.1   | ug/kg | 91  |     |      |      | 81  | 124    |     |
|                          | Dieldrin            | 16.65 | 16.3   | ug/kg | 98  |     |      |      | 85  | 121    |     |
|                          | 4,4'-DDE            | 16.65 | 16.4   | ug/kg | 98  |     |      |      | 81  | 123    |     |
|                          | Endrin              | 16.65 | 16.5   | ug/kg | 99  |     |      |      | 76  | 130    |     |
|                          | Endosulfan II       | 16.65 | 16.6   | ug/kg | 100 |     |      |      | 80  | 125    |     |
|                          | 4,4'-DDD            | 16.65 | 16.8   | ug/kg | 101 |     |      |      | 80  | 131    |     |
|                          | Endosulfan sulfate  | 16.65 | 16.7   | ug/kg | 100 |     |      |      | 81  | 122    |     |
|                          | 4,4'-DDT            | 16.65 | 17.0   | ug/kg | 102 |     |      |      | 70  | 129    |     |
|                          | Methoxychlor        | 16.65 | 16.8   | ug/kg | 101 |     |      |      | 60  | 119    |     |
|                          | Endrin ketone       | 16.65 | 17.5   | ug/kg | 105 |     |      |      | 77  | 132    |     |
|                          | Endrin aldehyde     | 16.65 | 17.1   | ug/kg | 103 |     |      |      | 79  | 124    |     |
|                          | alpha-Chlordane     | 16.65 | 16.0   | ug/kg | 96  |     |      |      | 84  | 120    |     |
|                          | gamma-Chlordane     | 16.65 | 16.1   | ug/kg | 97  |     |      |      | 83  | 122    |     |

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170213BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: PB170213BL

Lab File ID: PD090778.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025

Date Analyzed (2): 10/23/2025

Time Analyzed (1): 13:16

Time Analyzed (2): 13:16

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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 |
|-------------------------------|------------------|----------------|--------------------|--------------------|
| PB170213BS                    | PB170213BS       | PD090779.D     | 10/23/2025         | 10/23/2025         |
| PR132-S07-000102-20251017MS   | Q3395-03MS       | PD090784.D     | 10/23/2025         | 10/23/2025         |
| PR132-S07-000102-20251017MSD  | Q3395-04MSD      | PD090785.D     | 10/23/2025         | 10/23/2025         |
| PR-132-S16-015094-20251021    | Q3419-01         | PD090790.D     | 10/23/2025         | 10/23/2025         |
| PR132-S16-119133-20251021     | Q3419-04         | PD090793.D     | 10/23/2025         | 10/23/2025         |
| PR132-S16-094119-20251021     | Q3419-05         | PD090794.D     | 10/23/2025         | 10/23/2025         |
| PR-132-S16-015094-20251021MS  | Q3419-02MS       | PD090811.D     | 10/24/2025         | 10/24/2025         |
| PR-132-S16-015094-20251021MSD | Q3419-03MSD      | PD090812.D     | 10/24/2025         | 10/24/2025         |

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



# SAMPLE DATA



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/21/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/21/25      |
| Client Sample ID:  | PR-132-S16-015094-20251021                       |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | Q3419-01                                         |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 54.4          |
| Sample Wt/Vol:     | 30.05 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          |                     | Prep Date:      | 10/23/25      |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 3.10  | U    | 1  | 0.24     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 319-85-7          | beta-BHC             | 3.10  | U    | 1  | 0.33     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 319-86-8          | delta-BHC            | 3.10  | U    | 1  | 0.72     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 3.10  | U    | 1  | 0.26     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 76-44-8           | Heptachlor           | 3.10  | U    | 1  | 0.22     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 309-00-2          | Aldrin               | 3.10  | U    | 1  | 0.22     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 3.10  | U    | 1  | 0.35     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 959-98-8          | Endosulfan I         | 3.10  | U    | 1  | 0.26     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 60-57-1           | Dieldrin             | 3.10  | U    | 1  | 0.26     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 72-55-9           | 4,4-DDE              | 0.62  | JP   | 1  | 0.26     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 72-20-8           | Endrin               | 3.10  | U    | 1  | 0.26     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 33213-65-9        | Endosulfan II        | 3.10  | U    | 1  | 0.53     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 72-54-8           | 4,4-DDD              | 3.10  | U    | 1  | 0.28     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 3.10  | U    | 1  | 0.24     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 50-29-3           | 4,4-DDT              | 3.10  | U    | 1  | 0.26     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 72-43-5           | Methoxychlor         | 3.10  | U    | 1  | 0.68     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 53494-70-5        | Endrin ketone        | 3.10  | U    | 1  | 0.35     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 3.10  | U    | 1  | 0.68     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 3.10  | U    | 1  | 0.22     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 3.10  | U    | 1  | 0.28     | 3.10       | ug/kg   | 10/23/25 16:06 | PB170213 |
| 8001-35-2         | Toxaphene            | 60.6  | U    | 1  | 9.90     | 60.6       | ug/kg   | 10/23/25 16:06 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 13.7  |      |    | 20 - 144 | 68%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 14.4  |      |    | 19 - 148 | 72%        | SPK: 20 |                |          |

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\_D\Data\PD102325\  
 Data File : PD090790.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 16:06  
 Operator : AR\AJ  
 Sample : Q3419-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR-132-S16-015094-20251021

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:15:43 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.874 | 41428263 | 428.7E6  | 13.303m | 14.396  |
| 28) SA Decachlor...         | 9.066 | 8.060 | 60575449 | 414.6E6  | 12.949  | 13.687  |
| Target Compounds            |       |       |          |          |         |         |
| 12) B 4,4'-DDE              | 6.189 | 5.365 | 5416501  | 22951250 | 1.017   | 0.524 # |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090790.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 16:06  
Operator : AR\AJ  
Sample : Q3419-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

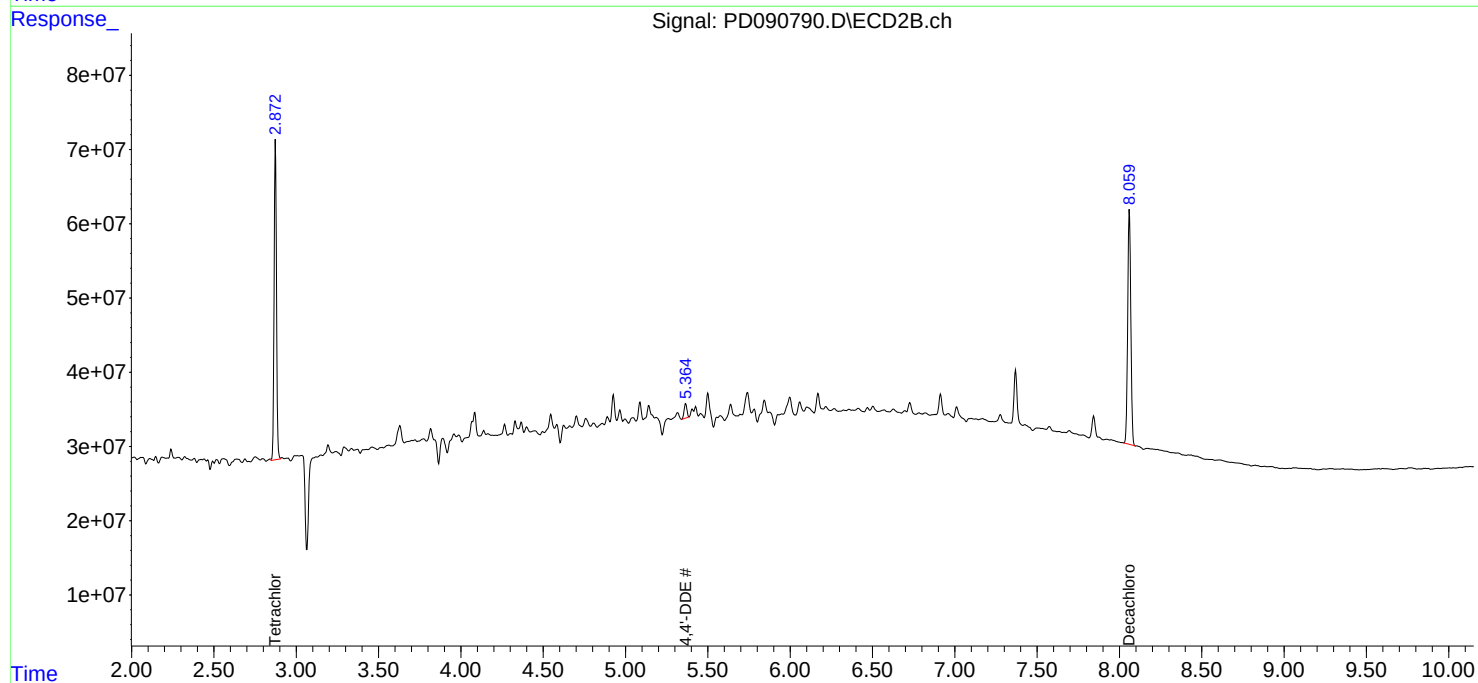
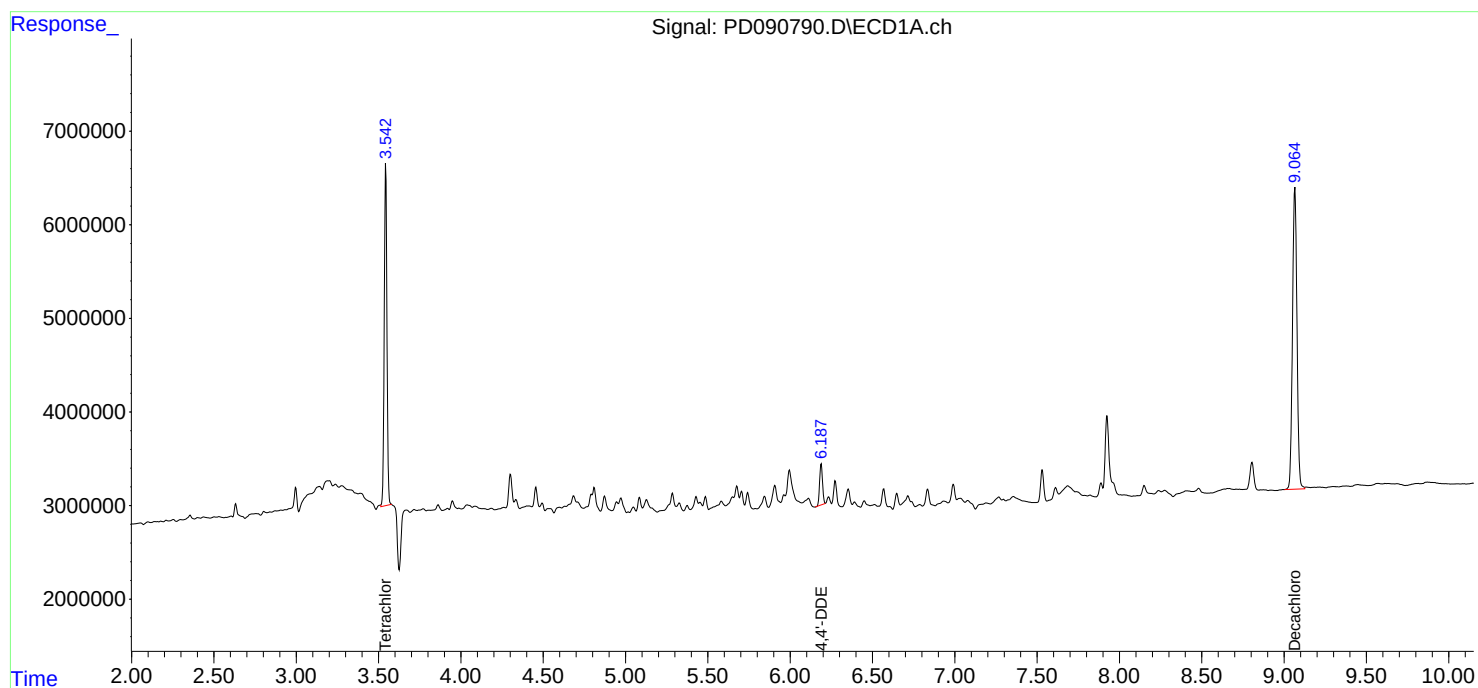
Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021

Manual Integrations  
APPROVED

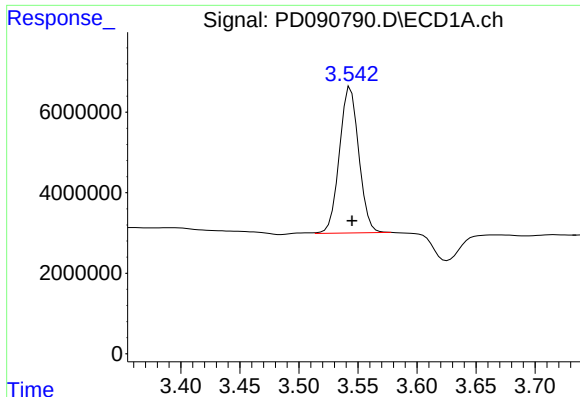
Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:15:43 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm







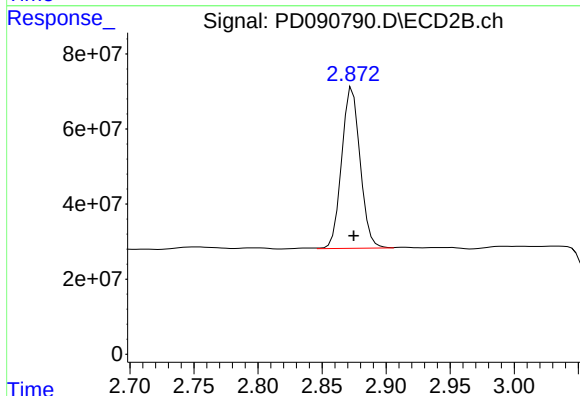
#1 Tetrachloro-m-xylene

R.T.: 3.542 min  
 Delta R.T.: -0.003 min  
 Response: 41428263  
 Conc: 13.30 ng/ml

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR-132-S16-015094-20251021

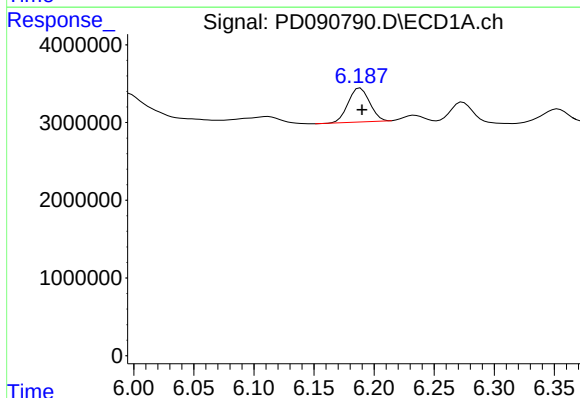
Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
 Supervised By :mohammad ahmed 10/28/2025



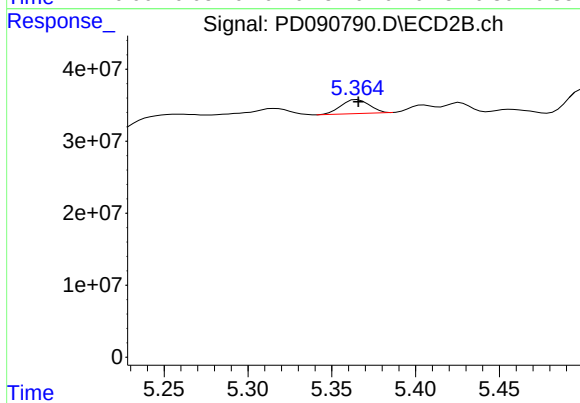
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
 Delta R.T.: -0.001 min  
 Response: 428661469  
 Conc: 14.40 ng/ml



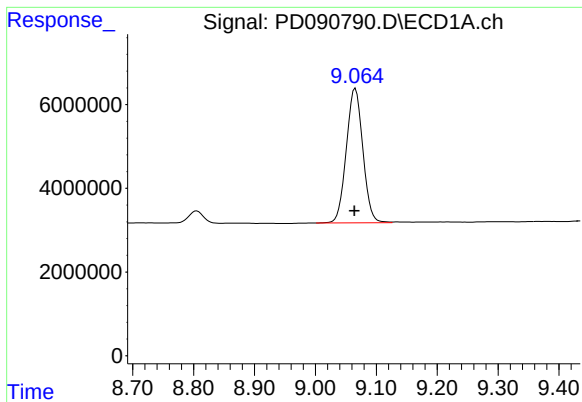
#12 4,4'-DDE

R.T.: 6.189 min  
 Delta R.T.: -0.002 min  
 Response: 5416501  
 Conc: 1.02 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min  
 Delta R.T.: 0.000 min  
 Response: 22951250  
 Conc: 0.52 ng/ml



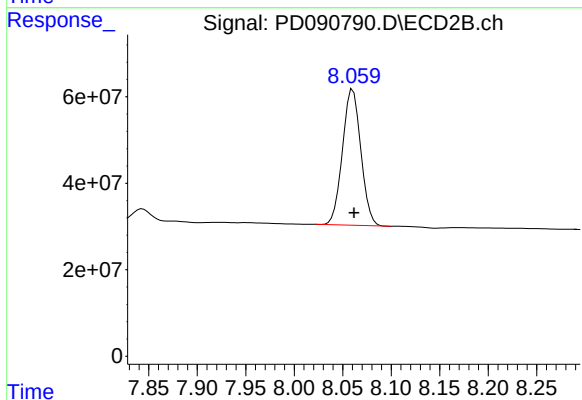
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.001 min  
Response: 60575449  
Conc: 12.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.001 min  
Response: 414602605  
Conc: 13.69 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/21/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/21/25      |
| Client Sample ID:  | PR132-S16-119133-20251021                        |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | Q3419-04                                         |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 51.7          |
| Sample Wt/Vol:     | 30.07 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          |                     | Prep Date:      | 10/23/25      |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 3.30  | U    | 1  | 0.25     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 319-85-7          | beta-BHC             | 3.30  | U    | 1  | 0.35     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 319-86-8          | delta-BHC            | 3.30  | U    | 1  | 0.75     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 3.30  | U    | 1  | 0.27     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 76-44-8           | Heptachlor           | 3.30  | U    | 1  | 0.23     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 309-00-2          | Aldrin               | 3.30  | U    | 1  | 0.23     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 3.30  | U    | 1  | 0.37     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 959-98-8          | Endosulfan I         | 3.30  | U    | 1  | 0.27     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 60-57-1           | Dieldrin             | 3.30  | U    | 1  | 0.27     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 72-55-9           | 4,4-DDE              | 3.30  | U    | 1  | 0.27     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 72-20-8           | Endrin               | 3.30  | U    | 1  | 0.27     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 33213-65-9        | Endosulfan II        | 3.30  | U    | 1  | 0.56     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 72-54-8           | 4,4-DDD              | 3.30  | U    | 1  | 0.29     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 3.30  | U    | 1  | 0.25     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 50-29-3           | 4,4-DDT              | 3.30  | U    | 1  | 0.27     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 72-43-5           | Methoxychlor         | 3.30  | U    | 1  | 0.71     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 53494-70-5        | Endrin ketone        | 3.30  | U    | 1  | 0.37     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 3.30  | U    | 1  | 0.71     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 3.30  | U    | 1  | 0.23     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 3.30  | U    | 1  | 0.29     | 3.30       | ug/kg   | 10/23/25 16:47 | PB170213 |
| 8001-35-2         | Toxaphene            | 63.7  | U    | 1  | 10.4     | 63.7       | ug/kg   | 10/23/25 16:47 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 18.2  |      |    | 20 - 144 | 91%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 16.5  |      |    | 19 - 148 | 83%        | SPK: 20 |                |          |

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\_D\Data\PD102325\  
 Data File : PD090793.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 16:47  
 Operator : AR\AJ  
 Sample : Q3419-04  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR132-S16-119133-20251021

**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 10/24/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:16:30 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|---------|---------|--------|
| -----                       |       |       |          |         |         |        |
| System Monitoring Compounds |       |       |          |         |         |        |
| 1) SA Tetrachlo...          | 3.543 | 2.874 | 48730841 | 491.5E6 | 15.648m | 16.505 |
| 28) SA Decachlor...         | 9.063 | 8.060 | 85264930 | 451.0E6 | 18.227m | 14.890 |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090793.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 16:47  
Operator : AR\AJ  
Sample : Q3419-04  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

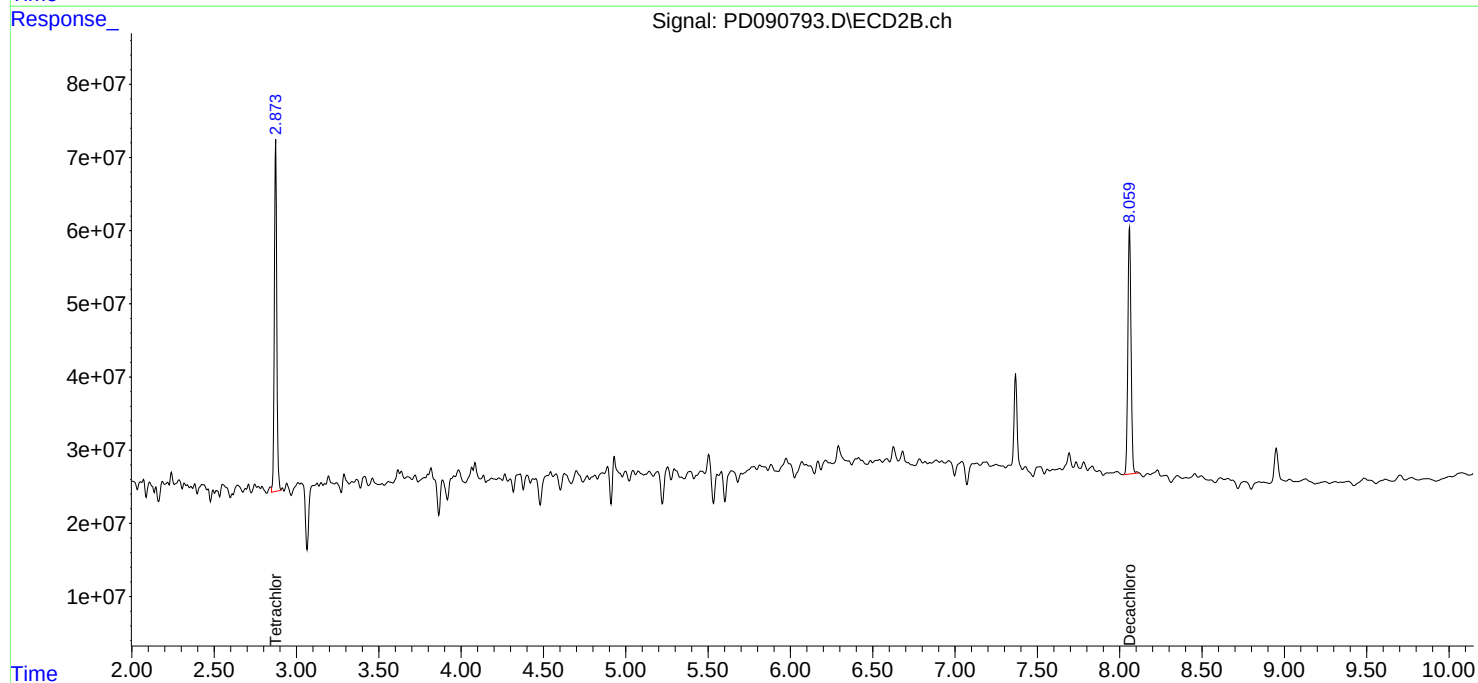
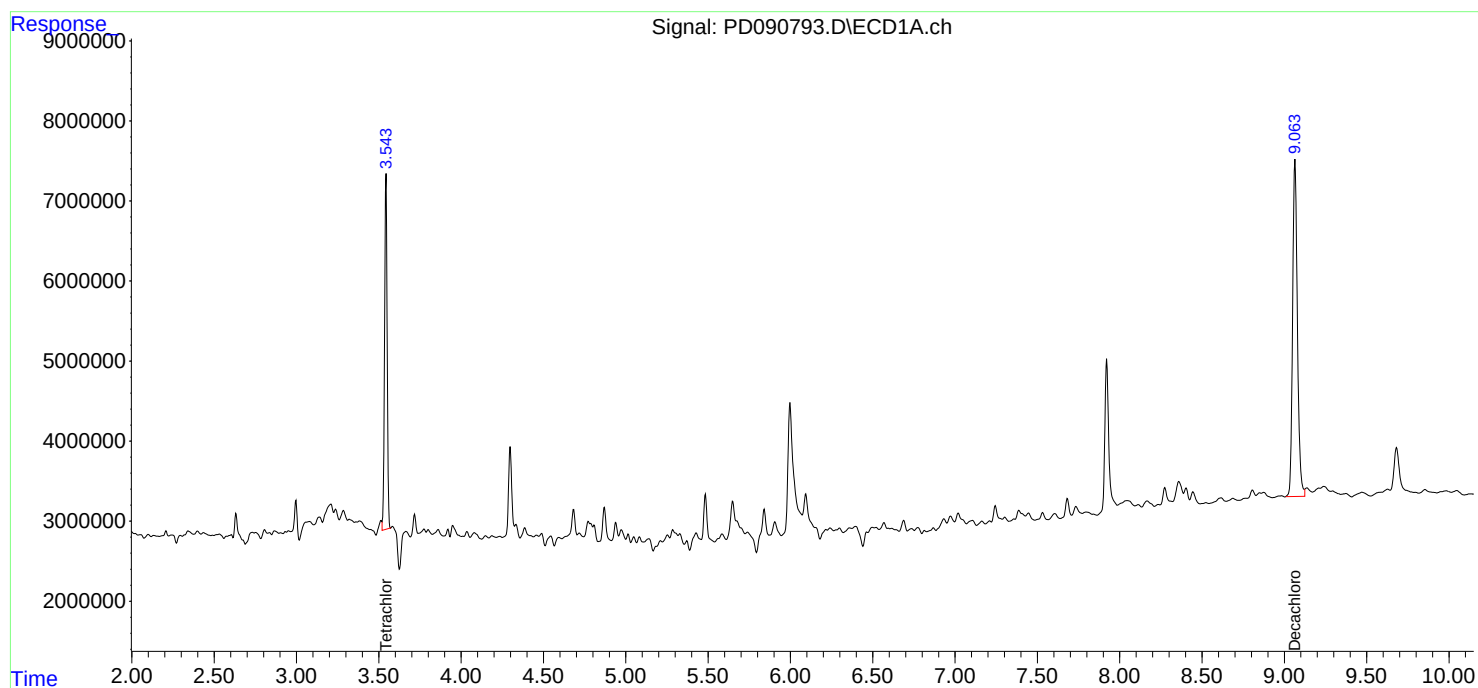
Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S16-119133-20251021

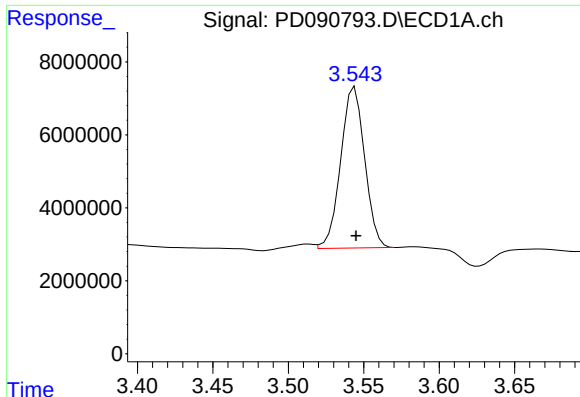
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 10/24/2025  
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:16:30 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





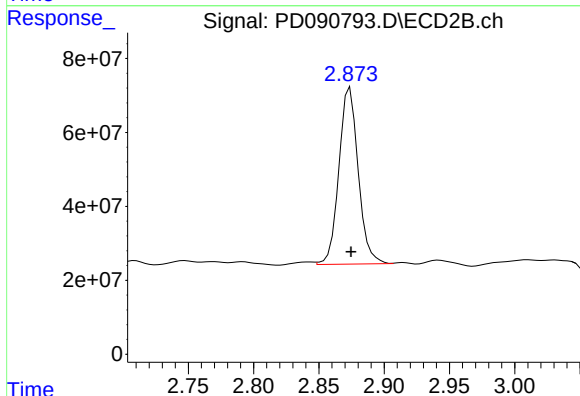
## #1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 48730841  
Conc: 15.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S16-119133-20251021

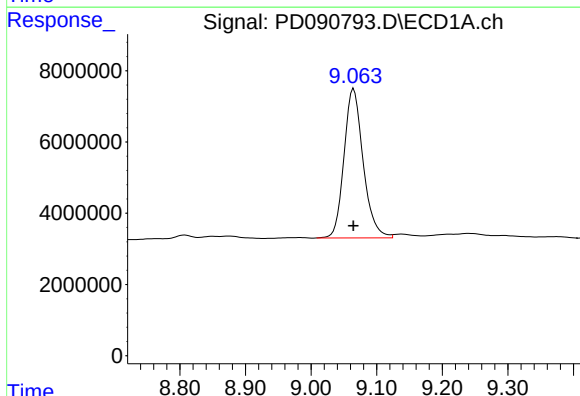
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



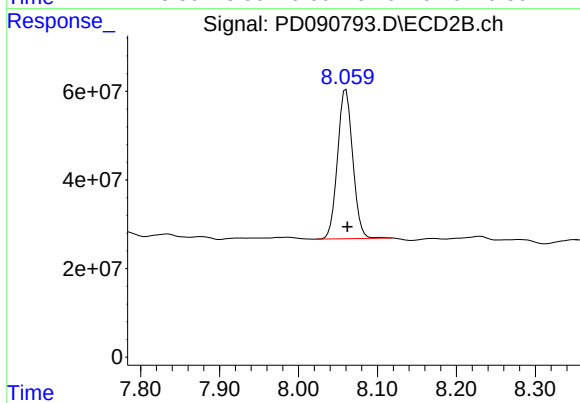
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 491467452  
Conc: 16.50 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: 0.000 min  
Response: 85264930  
Conc: 18.23 ng/ml m



## #28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 451038751  
Conc: 14.89 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/21/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/21/25      |
| Client Sample ID:  | PR132-S16-094119-20251021                        |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | Q3419-05                                         |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 46.9          |
| Sample Wt/Vol:     | 30.03 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          | Prep Date: 10/23/25 |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 3.60  | U    | 1  | 0.28     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 319-85-7          | beta-BHC             | 3.60  | U    | 1  | 0.38     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 319-86-8          | delta-BHC            | 3.60  | U    | 1  | 0.83     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 3.60  | U    | 1  | 0.30     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 76-44-8           | Heptachlor           | 3.60  | U    | 1  | 0.26     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 309-00-2          | Aldrin               | 3.60  | U    | 1  | 0.26     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 3.60  | U    | 1  | 0.40     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 959-98-8          | Endosulfan I         | 3.60  | U    | 1  | 0.30     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 60-57-1           | Dieldrin             | 2.40  | JP   | 1  | 0.30     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 72-55-9           | 4,4-DDE              | 3.60  |      | 1  | 0.30     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 72-20-8           | Endrin               | 3.60  | U    | 1  | 0.30     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 33213-65-9        | Endosulfan II        | 3.60  | U    | 1  | 0.62     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 72-54-8           | 4,4-DDD              | 3.60  | U    | 1  | 0.32     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 3.60  | U    | 1  | 0.28     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 50-29-3           | 4,4-DDT              | 3.60  | U    | 1  | 0.30     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 72-43-5           | Methoxychlor         | 3.60  | U    | 1  | 0.79     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 53494-70-5        | Endrin ketone        | 3.60  | U    | 1  | 0.40     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 3.60  | U    | 1  | 0.79     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 3.60  | U    | 1  | 0.26     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 3.60  | U    | 1  | 0.32     | 3.60       | ug/kg   | 10/23/25 17:00 | PB170213 |
| 8001-35-2         | Toxaphene            | 70.3  | U    | 1  | 11.5     | 70.3       | ug/kg   | 10/23/25 17:00 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 17.0  |      |    | 20 - 144 | 85%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 15.3  |      |    | 19 - 148 | 76%        | SPK: 20 |                |          |

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\_D\Data\PD102325\  
 Data File : PD090794.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 17:00  
 Operator : AR\AJ  
 Sample : Q3419-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR132-S16-094119-20251021

### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:16:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 1) SA Tetrachlo...          | 3.543 | 2.872 | 42713303 | 454.8E6 | 13.716m | 15.272m |
| 28) SA Decachlor...         | 9.066 | 8.061 | 79441038 | 464.6E6 | 16.982  | 15.338  |
| Target Compounds            |       |       |          |         |         |         |
| 12) B 4,4'-DDE              | 6.191 | 5.363 | 26649002 | 174.1E6 | 5.003   | 3.971m  |
| 13) MA Dieldrin             | 6.339 | 5.501 | 3680739  | 149.6E6 | 0.631m  | 3.385m# |
| -----                       |       |       |          |         |         |         |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090794.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 17:00  
Operator : AR\AJ  
Sample : Q3419-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

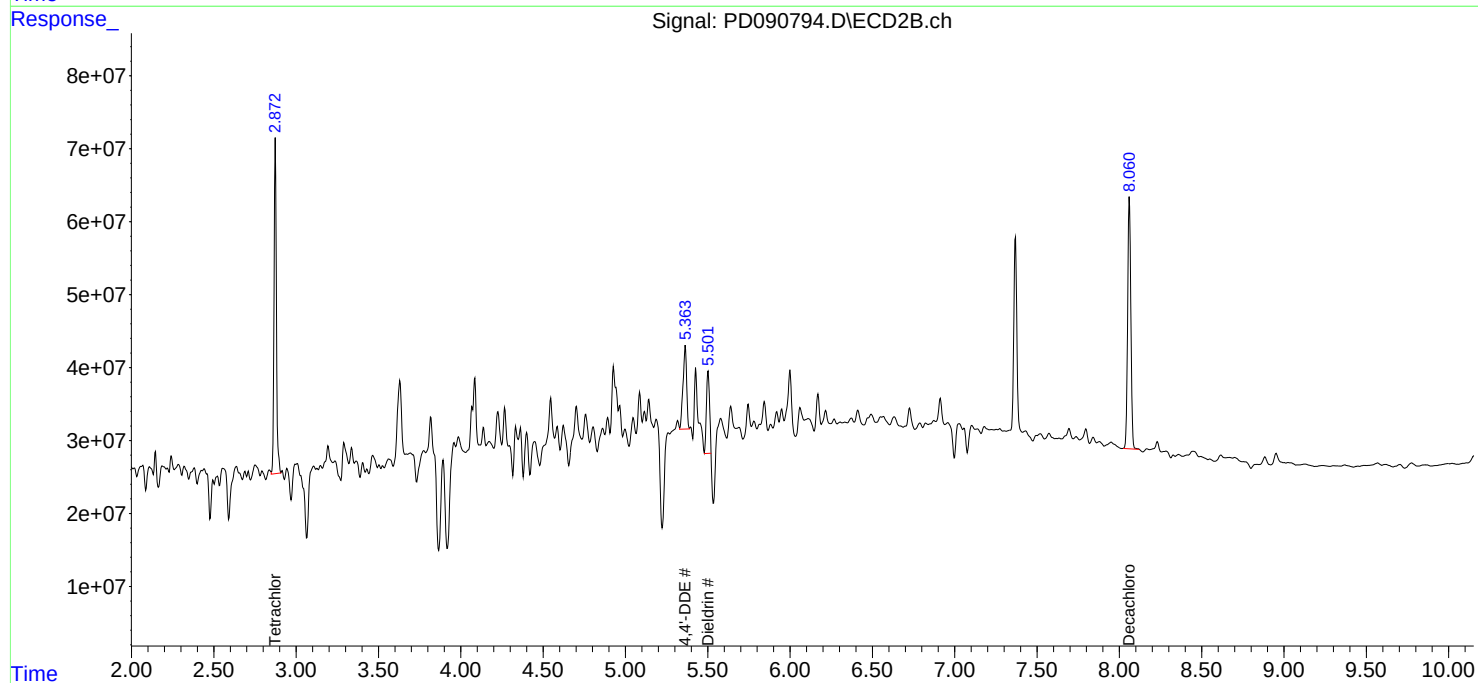
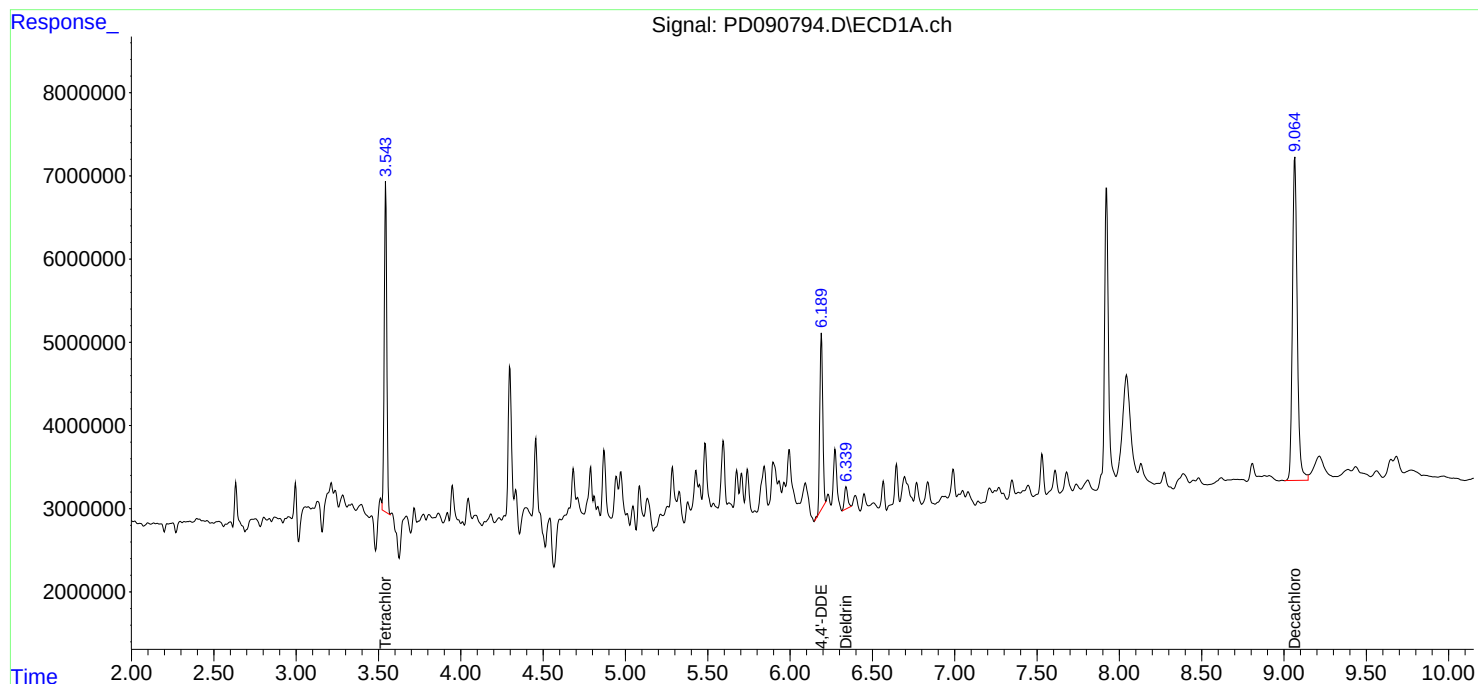
Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S16-094119-20251021

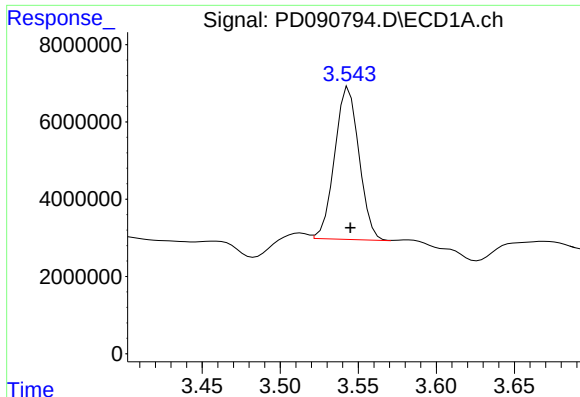
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 10/24/2025  
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:16:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





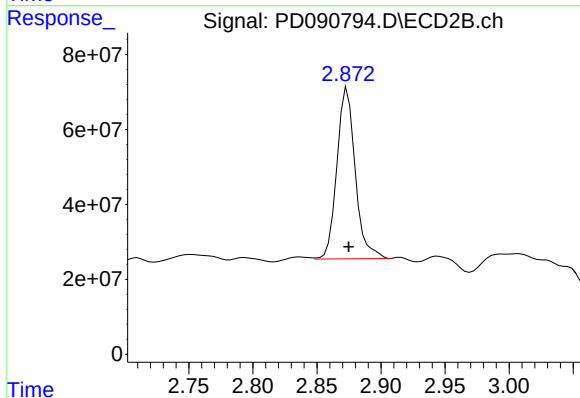
## #1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 42713303  
Conc: 13.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S16-094119-20251021

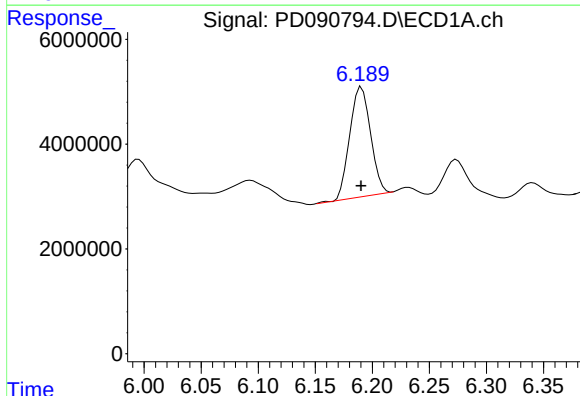
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



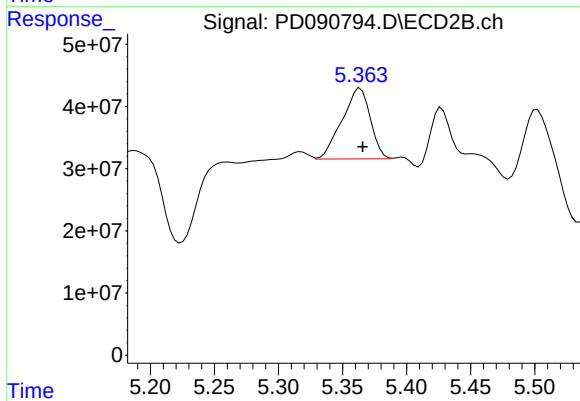
## #1 Tetrachloro-m-xylene

R.T.: 2.872 min  
Delta R.T.: -0.002 min  
Response: 454762857  
Conc: 15.27 ng/ml m



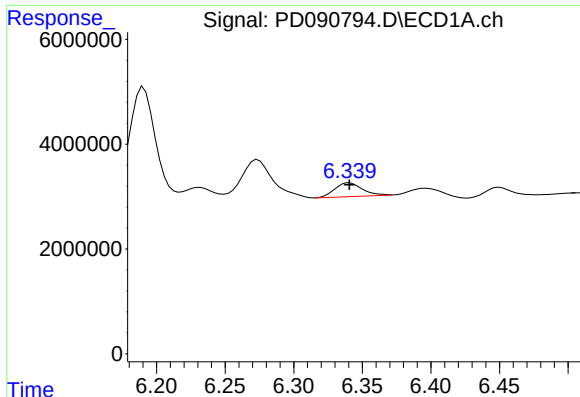
## #12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 26649002  
Conc: 5.00 ng/ml



## #12 4,4'-DDE

R.T.: 5.363 min  
Delta R.T.: -0.003 min  
Response: 174082801  
Conc: 3.97 ng/ml m



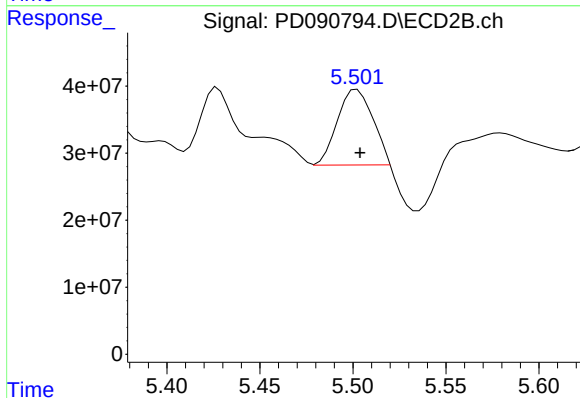
#13 Dieldrin

R.T.: 6.339 min  
Delta R.T.: -0.002 min  
Response: 3680739  
Conc: 0.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S16-094119-20251021

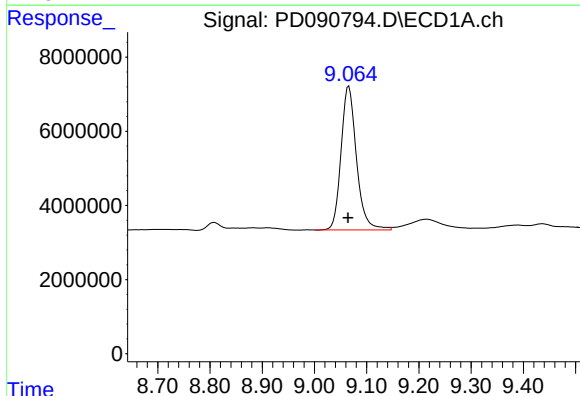
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



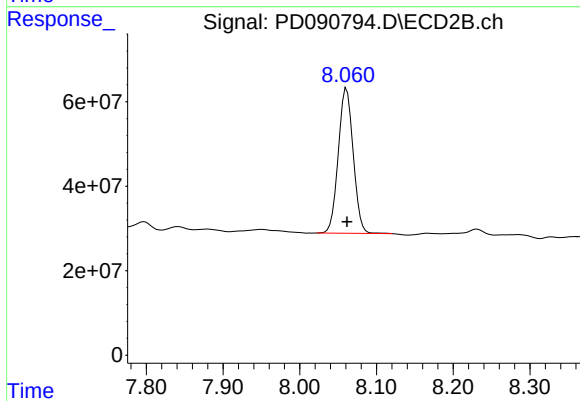
#13 Dieldrin

R.T.: 5.501 min  
Delta R.T.: -0.003 min  
Response: 149572261  
Conc: 3.39 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 79441038  
Conc: 16.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 464620436  
Conc: 15.34 ng/ml



# CALIBRATION SUMMARY

## RETENTION TIMES OF INITIAL CALIBRATION

|                       |                 |                             |                                     |
|-----------------------|-----------------|-----------------------------|-------------------------------------|
| <b>Lab Name:</b>      | <u>Alliance</u> | <b>Contract:</b>            | <u>AECO02</u>                       |
| <b>Lab Code:</b>      | <u>ACE</u>      | <b>SDG NO.:</b>             | <u>Q3419</u>                        |
| <b>Instrument ID:</b> | <u>ECD_D</u>    | <b>Calibration Date(s):</b> | <u>10/17/2025</u> <u>10/17/2025</u> |
|                       |                 | <b>Calibration Times:</b>   | <u>11:34</u> <u>12:28</u>           |

 GC Column: ZB-MR1      ID: 0.32 (mm)

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 100 =</b> <u>PD090650.D</u> | <b>RT 075 =</b> <u>PD090651.D</u> |
| <b>RT 050 =</b> <u>PD090652.D</u> | <b>RT 025 =</b> <u>PD090653.D</u> | <b>RT 005 =</b> <u>PD090654.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 6.70   | 6.70   | 6.70   | 6.70   | 6.70   | 6.70       | 6.60      | 6.80 |
| 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   | 5.27   | 5.26   | 5.26   | 5.26   | 5.26       | 5.16      | 5.36 |
| alpha-BHC            | 3.99   | 3.99   | 3.99   | 3.99   | 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             | 4.51   | 4.51   | 4.51   | 4.51   | 4.51   | 4.51       | 4.41      | 4.61 |
| Decachlorobiphenyl   | 9.07   | 9.07   | 9.06   | 9.07   | 9.07   | 9.07       | 8.97      | 9.17 |
| delta-BHC            | 4.76   | 4.76   | 4.76   | 4.76   | 4.76   | 4.76       | 4.66      | 4.86 |
| 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        | 6.78   | 6.78   | 6.78   | 6.78   | 6.78   | 6.78       | 6.68      | 6.88 |
| Endosulfan sulfate   | 7.15   | 7.15   | 7.15   | 7.14   | 7.14   | 7.14       | 7.04      | 7.24 |
| Endrin               | 6.57   | 6.57   | 6.57   | 6.57   | 6.57   | 6.57       | 6.47      | 6.67 |
| Endrin aldehyde      | 6.91   | 6.91   | 6.91   | 6.91   | 6.91   | 6.91       | 6.81      | 7.01 |
| Endrin ketone        | 7.63   | 7.63   | 7.63   | 7.63   | 7.62   | 7.62       | 7.52      | 7.72 |
| gamma-BHC (Lindane)  | 4.32   | 4.33   | 4.33   | 4.32   | 4.32   | 4.32       | 4.22      | 4.42 |
| gamma-Chlordane      | 5.94   | 5.94   | 5.94   | 5.94   | 5.94   | 5.94       | 5.84      | 6.04 |
| Heptachlor           | 4.92   | 4.92   | 4.92   | 4.92   | 4.92   | 4.92       | 4.82      | 5.02 |
| Heptachlor epoxide   | 5.69   | 5.69   | 5.68   | 5.68   | 5.68   | 5.68       | 5.58      | 5.78 |
| Methoxychlor         | 7.49   | 7.49   | 7.49   | 7.49   | 7.49   | 7.49       | 7.39      | 7.59 |
| Tetrachloro-m-xylene | 3.54   | 3.55   | 3.55   | 3.54   | 3.54   | 3.54       | 3.44      | 3.64 |

## RETENTION TIMES OF INITIAL CALIBRATION

|                       |                 |                             |                                     |
|-----------------------|-----------------|-----------------------------|-------------------------------------|
| <b>Lab Name:</b>      | <u>Alliance</u> | <b>Contract:</b>            | <u>AECO02</u>                       |
| <b>Lab Code:</b>      | <u>ACE</u>      | <b>SDG NO.:</b>             | <u>Q3419</u>                        |
| <b>Instrument ID:</b> | <u>ECD_D</u>    | <b>Calibration Date(s):</b> | <u>10/17/2025</u> <u>10/17/2025</u> |
|                       |                 | <b>Calibration Times:</b>   | <u>11:34</u> <u>12:28</u>           |

 GC Column: ZB-MR2      ID: 0.32 (mm)

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 100 =</b> <u>PD090650.D</u> | <b>RT 075 =</b> <u>PD090651.D</u> |
| <b>RT 050 =</b> <u>PD090652.D</u> | <b>RT 025 =</b> <u>PD090653.D</u> | <b>RT 005 =</b> <u>PD090654.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 5.92   | 5.92   | 5.92   | 5.92   | 5.92   | 5.92       | 5.82      | 6.02 |
| 4,4'-DDE             | 5.37   | 5.37   | 5.37   | 5.37   | 5.37   | 5.37       | 5.27      | 5.47 |
| 4,4'-DDT             | 6.17   | 6.18   | 6.17   | 6.17   | 6.18   | 6.17       | 6.07      | 6.27 |
| Aldrin               | 4.36   | 4.36   | 4.36   | 4.36   | 4.36   | 4.36       | 4.26      | 4.46 |
| alpha-BHC            | 3.39   | 3.39   | 3.39   | 3.39   | 3.39   | 3.39       | 3.29      | 3.49 |
| alpha-Chlordane      | 5.18   | 5.18   | 5.18   | 5.18   | 5.18   | 5.18       | 5.08      | 5.28 |
| beta-BHC             | 4.02   | 4.02   | 4.02   | 4.02   | 4.02   | 4.02       | 3.92      | 4.12 |
| Decachlorobiphenyl   | 8.06   | 8.06   | 8.06   | 8.06   | 8.06   | 8.06       | 7.96      | 8.16 |
| delta-BHC            | 4.26   | 4.26   | 4.26   | 4.26   | 4.26   | 4.26       | 4.16      | 4.36 |
| Dieldrin             | 5.50   | 5.50   | 5.50   | 5.50   | 5.50   | 5.50       | 5.40      | 5.60 |
| Endosulfan I         | 5.24   | 5.24   | 5.24   | 5.24   | 5.24   | 5.24       | 5.14      | 5.34 |
| Endosulfan II        | 6.07   | 6.07   | 6.07   | 6.07   | 6.07   | 6.07       | 5.97      | 6.17 |
| Endosulfan sulfate   | 6.47   | 6.47   | 6.47   | 6.47   | 6.47   | 6.47       | 6.37      | 6.57 |
| Endrin               | 5.78   | 5.78   | 5.78   | 5.78   | 5.78   | 5.78       | 5.68      | 5.88 |
| Endrin aldehyde      | 6.25   | 6.25   | 6.25   | 6.25   | 6.25   | 6.25       | 6.15      | 6.35 |
| Endrin ketone        | 6.98   | 6.98   | 6.98   | 6.98   | 6.98   | 6.98       | 6.88      | 7.08 |
| gamma-BHC (Lindane)  | 3.72   | 3.72   | 3.72   | 3.72   | 3.72   | 3.72       | 3.62      | 3.82 |
| gamma-Chlordane      | 5.12   | 5.12   | 5.12   | 5.12   | 5.12   | 5.12       | 5.02      | 5.22 |
| Heptachlor           | 4.08   | 4.08   | 4.08   | 4.07   | 4.08   | 4.07       | 3.97      | 4.17 |
| Heptachlor epoxide   | 4.86   | 4.87   | 4.86   | 4.86   | 4.86   | 4.86       | 4.76      | 4.96 |
| Methoxychlor         | 6.75   | 6.75   | 6.75   | 6.74   | 6.75   | 6.74       | 6.64      | 6.84 |
| Tetrachloro-m-xylene | 2.87   | 2.88   | 2.88   | 2.87   | 2.87   | 2.87       | 2.77      | 2.97 |



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Fax : 908 789 8922

### CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02  
SDG NO.: Q3419

Calibration Date(s): 10/17/2025 10/17/2025  
Calibration Times: 11:34 12:28

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

| LAB FILE ID:         |            | CF 100 =          | <u>PD090650.D</u> | CF 075 =          | <u>PD090651.D</u> |                   |       |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |            | <u>PD090652.D</u> | CF 025 =          | <u>PD090653.D</u> | CF 005 =          | <u>PD090654.D</u> |       |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| 4,4'-DDD             | 4150980000 | 4075270000        | 4055470000        | 3840760000        | 4148570000        | 4054210000        | 3     |
| 4,4'-DDE             | 5435610000 | 5370750000        | 5317610000        | 5053060000        | 5456160000        | 5326640000        | 3     |
| 4,4'-DDT             | 4256810000 | 4152600000        | 4117930000        | 3927880000        | 4097130000        | 4110470000        | 3     |
| Aldrin               | 6694230000 | 6562230000        | 6516940000        | 6238140000        | 6724820000        | 6547270000        | 3     |
| alpha-BHC            | 7752530000 | 7402380000        | 7252210000        | 6743070000        | 6735520000        | 7177140000        | 6     |
| alpha-Chlordane      | 5966070000 | 5905470000        | 5938650000        | 6170460000        | 6920630000        | 6180250000        | 7     |
| beta-BHC             | 2515210000 | 2489310000        | 2540370000        | 2560620000        | 2992650000        | 2619630000        | 8     |
| Decachlorobiphenyl   | 4361180000 | 4315270000        | 4506230000        | 4707060000        | 5500070000        | 4677960000        | 10    |
| delta-BHC            | 7169260000 | 6905720000        | 6771510000        | 6342450000        | 6619680000        | 6761720000        | 5     |
| Dieldrin             | 5929890000 | 5841940000        | 5818180000        | 5550330000        | 6016400000        | 5831350000        | 3     |
| Endosulfan I         | 5452270000 | 5404490000        | 5449050000        | 5348660000        | 6028770000        | 5536650000        | 5     |
| Endosulfan II        | 4873230000 | 4835950000        | 4885080000        | 4789750000        | 5615800000        | 4999960000        | 7     |
| Endosulfan sulfate   | 4557060000 | 4504850000        | 4556170000        | 4479960000        | 5092920000        | 4638190000        | 6     |
| Endrin               | 5035940000 | 4962910000        | 4938250000        | 4711180000        | 5120260000        | 4953710000        | 3     |
| Endrin aldehyde      | 3505880000 | 3507960000        | 3571680000        | 3579710000        | 4148280000        | 3662700000        | 7     |
| Endrin ketone        | 4819770000 | 4736510000        | 4782320000        | 4695250000        | 5260400000        | 4858850000        | 5     |
| gamma-BHC (Lindane)  | 7185880000 | 6905860000        | 6799650000        | 6417980000        | 6684750000        | 6798820000        | 4     |
| gamma-Chlordane      | 5972450000 | 5894040000        | 5855640000        | 5592670000        | 6341090000        | 5931180000        | 5     |
| Heptachlor           | 5757910000 | 5597510000        | 5545540000        | 5288860000        | 5757970000        | 5589560000        | 3     |
| Heptachlor epoxide   | 5795570000 | 5708170000        | 5718680000        | 5584980000        | 6137920000        | 5789060000        | 4     |
| Methoxychlor         | 2050060000 | 2015340000        | 2078640000        | 2094570000        | 2389310000        | 2125590000        | 7     |
| Tetrachloro-m-xylene | 3010860000 | 2951180000        | 3030100000        | 3124300000        | 3454390000        | 3114160000        | 6     |



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### CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02  
SDG NO.: Q3419

Calibration Date(s): 10/17/2025 10/17/2025  
Calibration Times: 11:34 12:28

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

| LAB FILE ID:         |             | CF 100 =          | <u>PD090650.D</u> | CF 075 =          | <u>PD090651.D</u> |                   |       |
|----------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |             | <u>PD090652.D</u> | CF 025 =          | <u>PD090653.D</u> | CF 005 =          | <u>PD090654.D</u> |       |
| COMPOUND             | CF 100      | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| 4,4'-DDD             | 33708900000 | 34309400000       | 35560900000       | 36237500000       | 42373300000       | 36438000000       | 10    |
| 4,4'-DDE             | 40500800000 | 41191000000       | 42548600000       | 43577200000       | 51373700000       | 43838300000       | 10    |
| 4,4'-DDT             | 33888000000 | 33982600000       | 34868200000       | 34959100000       | 37667600000       | 35073100000       | 4     |
| Aldrin               | 43083800000 | 43574800000       | 45033800000       | 46172400000       | 53729700000       | 46318900000       | 9     |
| alpha-BHC            | 49118000000 | 48392000000       | 49683700000       | 50500300000       | 57784900000       | 51095800000       | 7     |
| alpha-Chlordane      | 40004000000 | 40550200000       | 41893000000       | 42708900000       | 50532500000       | 43137700000       | 10    |
| beta-BHC             | 18296700000 | 18365500000       | 19080800000       | 19804100000       | 23600800000       | 19829500000       | 11    |
| Decachlorobiphenyl   | 28856800000 | 28247200000       | 29308000000       | 30057200000       | 34987600000       | 30291400000       | 9     |
| delta-BHC            | 45324900000 | 45220200000       | 46466400000       | 47155800000       | 54416000000       | 47716700000       | 8     |
| Dieldrin             | 40601100000 | 41425500000       | 43096200000       | 44203200000       | 51593900000       | 44184000000       | 10    |
| Endosulfan I         | 35728600000 | 36586400000       | 38185700000       | 39478600000       | 46972400000       | 39390300000       | 11    |
| Endosulfan II        | 34269700000 | 34968100000       | 36432200000       | 37520200000       | 44587200000       | 37555500000       | 11    |
| Endosulfan sulfate   | 32963400000 | 33538900000       | 34960800000       | 35861000000       | 41900900000       | 35845000000       | 10    |
| Endrin               | 36902000000 | 37827400000       | 39400900000       | 40693000000       | 47646500000       | 40494000000       | 11    |
| Endrin aldehyde      | 25110900000 | 25739400000       | 26893100000       | 27767400000       | 32953200000       | 27692800000       | 11    |
| Endrin ketone        | 34460000000 | 35020500000       | 36550700000       | 37816700000       | 44740900000       | 37717800000       | 11    |
| gamma-BHC (Lindane)  | 44964800000 | 44604900000       | 45972800000       | 46808300000       | 53893500000       | 47248900000       | 8     |
| gamma-Chlordane      | 41920800000 | 42422300000       | 43748100000       | 44346600000       | 52306700000       | 44948900000       | 9     |
| Heptachlor           | 41272300000 | 41810600000       | 43239300000       | 44502900000       | 52189000000       | 44602800000       | 10    |
| Heptachlor epoxide   | 38203400000 | 38891500000       | 40672900000       | 42374400000       | 53052500000       | 42639000000       | 14    |
| Methoxychlor         | 16116900000 | 16316400000       | 17198900000       | 17735100000       | 19771700000       | 17427800000       | 8     |
| Tetrachloro-m-xylene | 27903400000 | 27689100000       | 28617400000       | 29726500000       | 34949400000       | 29777100000       | 10    |





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# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**Instrument ID:** ECD\_D **Date(s) Analyzed:** 10/17/2025 10/17/2025  
**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 | 32564400              |
|           |                | 2    | 6.44 | 6.34      | 6.54 | 48621800              |
|           |                | 3    | 7.14 | 7.04      | 7.24 | 85710600              |
|           |                | 4    | 7.56 | 7.46      | 7.66 | 95737400              |
|           |                | 5    | 7.92 | 7.82      | 8.02 | 60480500              |



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# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**Instrument ID:** ECD\_D **Date(s) Analyzed:** 10/17/2025 10/17/2025  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.47 | 5.37      | 5.57 | 263702000             |
|           |                | 2    | 5.64 | 5.54      | 5.74 | 176560000             |
|           |                | 3    | 6.75 | 6.65      | 6.85 | 658883000             |
|           |                | 4    | 7.19 | 7.09      | 7.29 | 495104000             |
|           |                | 5    | 7.32 | 7.22      | 7.42 | 246033000             |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090650.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 11:34  
 Operator : AR\AJ  
 Sample : PSTDICC100  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC100

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:33:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|--------|
| -----                       |                 |       |       |         |          |         |        |
| System Monitoring Compounds |                 |       |       |         |          |         |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 301.1E6 | 2790.3E6 | 99.682  | 98.737 |
| 2)                          | SA Decachlor... | 9.066 | 8.061 | 436.1E6 | 2885.7E6 | 98.364  | 99.224 |
| Target Compounds            |                 |       |       |         |          |         |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.386 | 775.3E6 | 4911.8E6 | 103.334 | 99.427 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.722 | 718.6E6 | 4496.5E6 | 102.762 | 98.892 |
| 4)                          | MA Heptachlor   | 4.922 | 4.075 | 575.8E6 | 4127.2E6 | 101.879 | 97.673 |
| 5)                          | MB Aldrin       | 5.264 | 4.360 | 669.4E6 | 4308.4E6 | 101.342 | 97.787 |
| 6)                          | B beta-BHC      | 4.511 | 4.019 | 251.5E6 | 1829.7E6 | 99.502  | 97.902 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 716.9E6 | 4532.5E6 | 102.853 | 98.756 |
| 8)                          | B Heptachlo...  | 5.685 | 4.864 | 579.6E6 | 3820.3E6 | 100.668 | 96.869 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 545.2E6 | 3572.9E6 | 100.030 | 96.676 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 597.2E6 | 4192.1E6 | 100.988 | 97.867 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.181 | 596.6E6 | 4000.4E6 | 100.230 | 97.693 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 543.6E6 | 4050.1E6 | 101.097 | 97.534 |
| 13)                         | MA Dieldrin     | 6.341 | 5.504 | 593.0E6 | 4060.1E6 | 100.951 | 97.019 |
| 14)                         | MA Endrin       | 6.568 | 5.780 | 503.6E6 | 3690.2E6 | 100.979 | 96.725 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 487.3E6 | 3427.0E6 | 99.879  | 96.941 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.920 | 415.1E6 | 3370.9E6 | 101.164 | 97.326 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.174 | 425.7E6 | 3388.8E6 | 101.658 | 98.574 |
| 18)                         | B Endrin al...  | 6.910 | 6.250 | 350.6E6 | 2511.1E6 | 99.070  | 96.573 |
| 19)                         | B Endosulfa...  | 7.145 | 6.474 | 455.7E6 | 3296.3E6 | 100.010 | 97.059 |
| 20)                         | A Methoxychlor  | 7.489 | 6.745 | 205.0E6 | 1611.7E6 | 99.308  | 96.752 |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 482.0E6 | 3446.0E6 | 100.390 | 97.056 |
| 22)                         | Mirex           | 8.107 | 7.175 | 295.5E6 | 2331.6E6 | 97.723  | 97.238 |
| -----                       |                 |       |       |         |          |         |        |

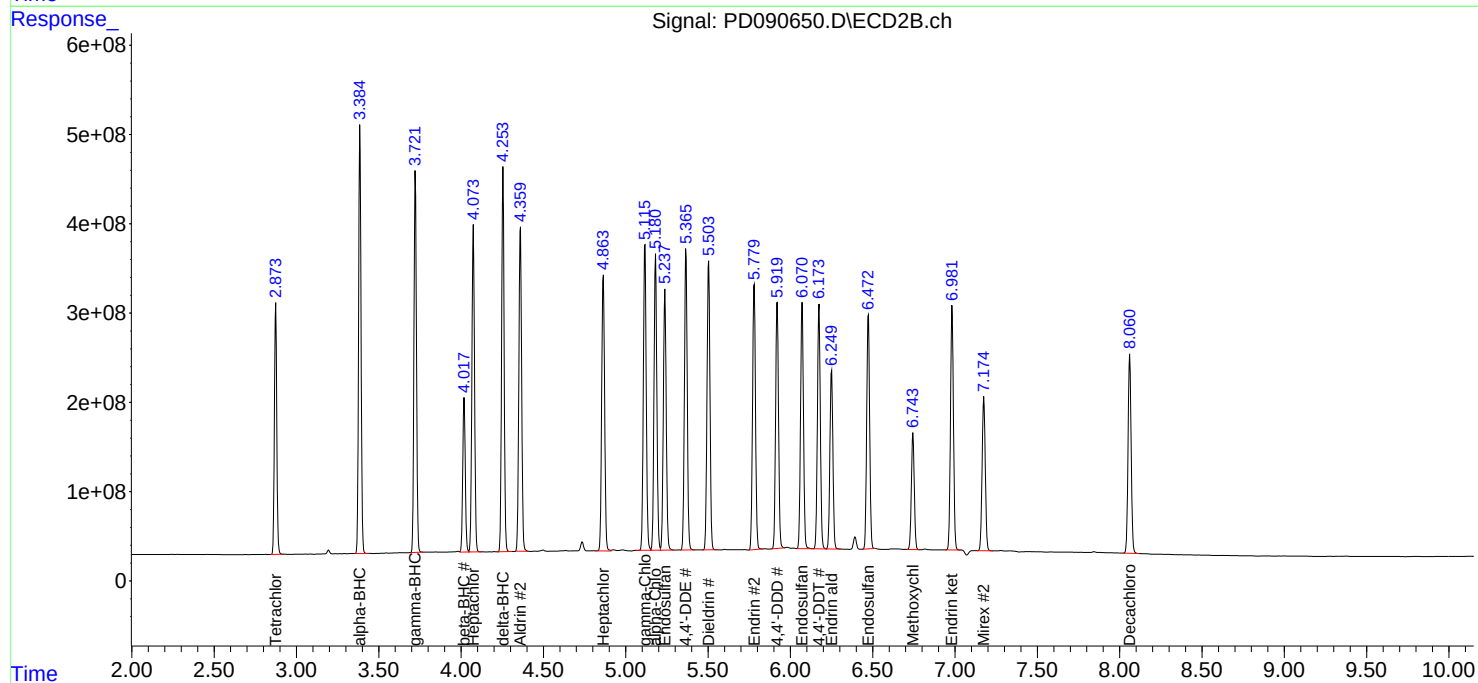
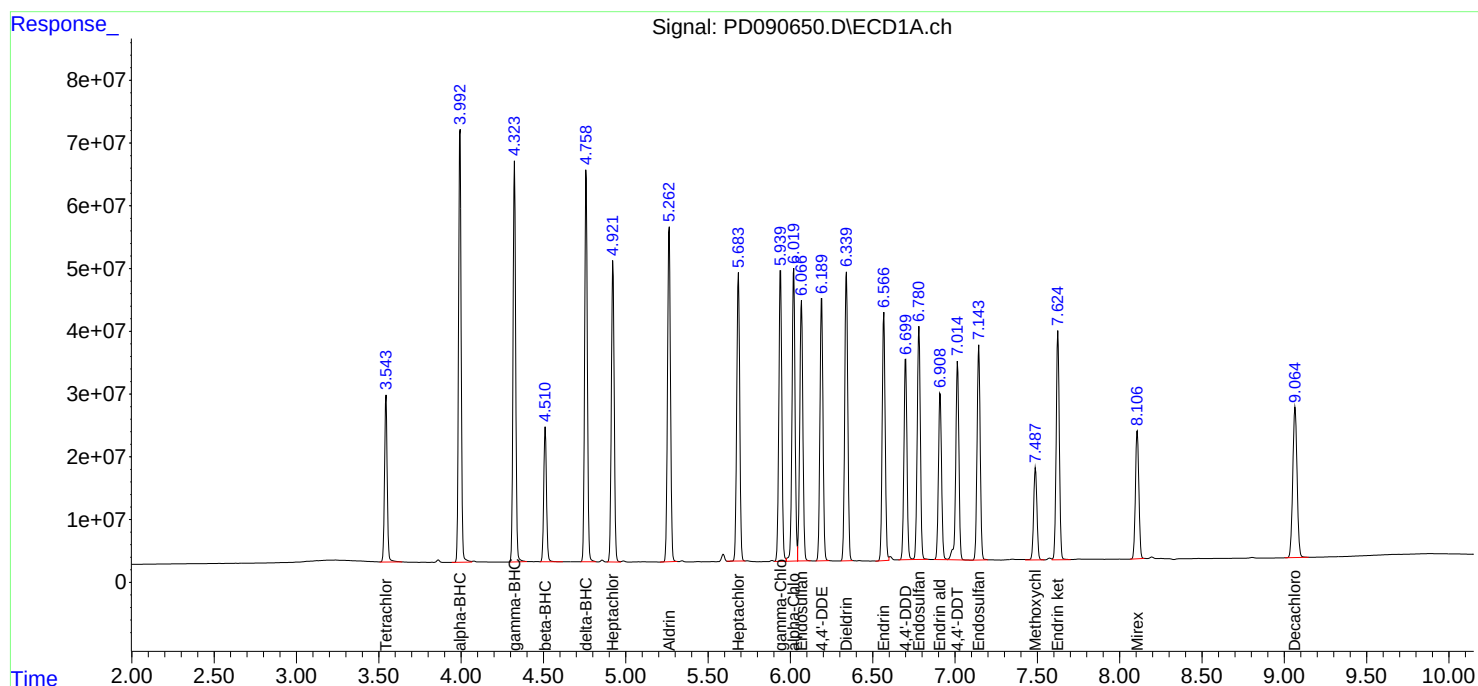
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090650.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 11:34  
Operator : AR\AJ  
Sample : PSTDICC100  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

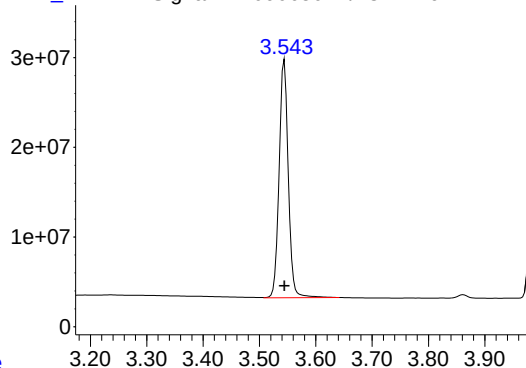
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:33:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm



Response\_ Signal: PD090650.D\ECD1A.ch

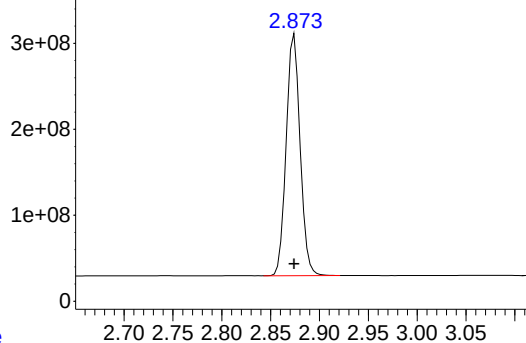


#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 301086012  
Conc: 99.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

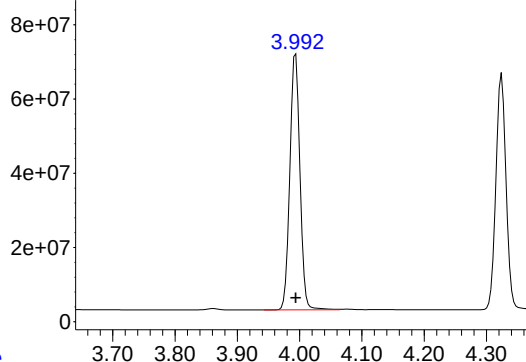
Time Response\_ Signal: PD090650.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 2790335064  
Conc: 98.74 ng/ml

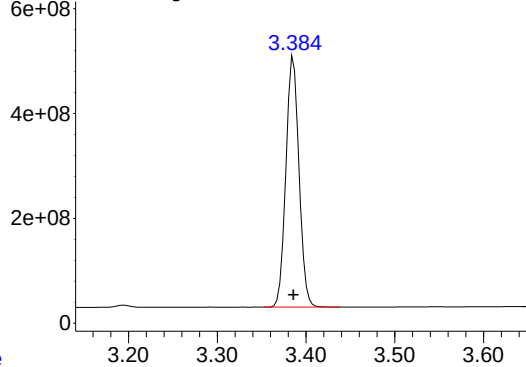
Time Response\_ Signal: PD090650.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 775252906  
Conc: 103.33 ng/ml

Time Response\_ Signal: PD090650.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 4911798337  
Conc: 99.43 ng/ml

Response

Signal: PD090650.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.324 min

Delta R.T.: 0.000 min

Response: 718588040

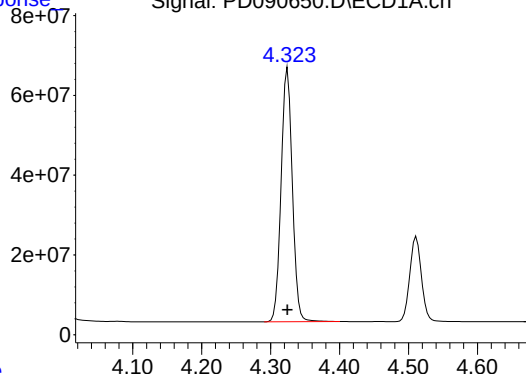
Conc: 102.76 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PSTDICC100



Time

Response\_

Signal: PD090650.D\ECD2B.ch

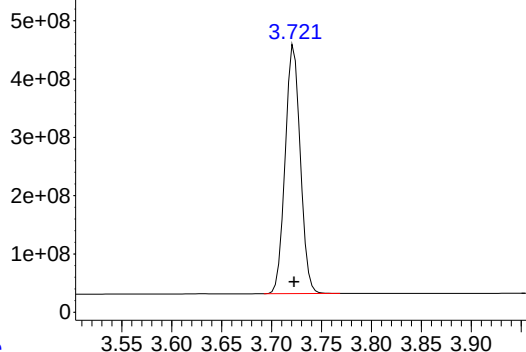
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 4496483491

Conc: 98.89 ng/ml



Time

Response\_

Signal: PD090650.D\ECD1A.ch

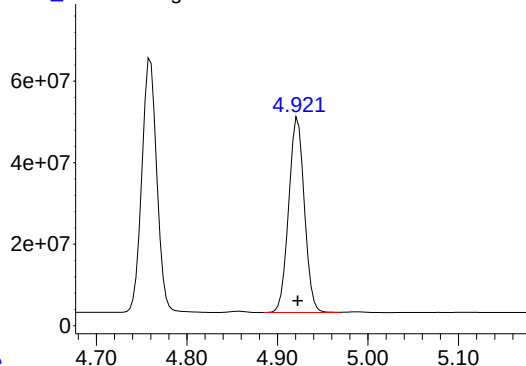
#4 Heptachlor

R.T.: 4.922 min

Delta R.T.: 0.000 min

Response: 575791141

Conc: 101.88 ng/ml



Time

Response\_

Signal: PD090650.D\ECD2B.ch

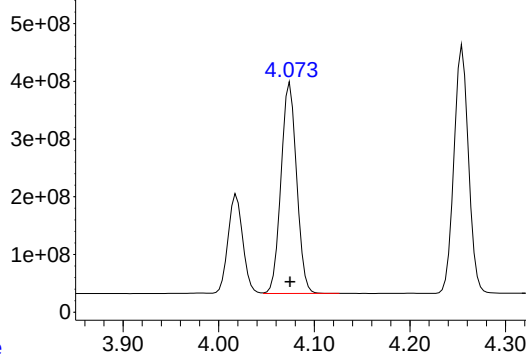
#4 Heptachlor

R.T.: 4.075 min

Delta R.T.: 0.000 min

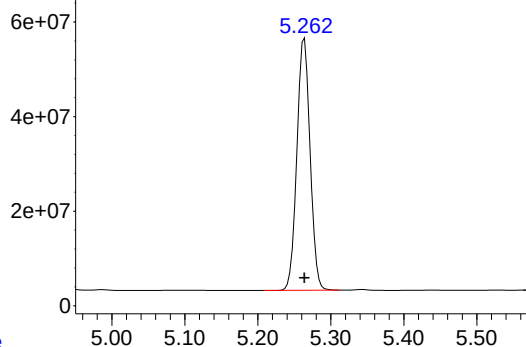
Response: 4127234386

Conc: 97.67 ng/ml



Time

Response\_ Signal: PD090650.D\ECD1A.ch

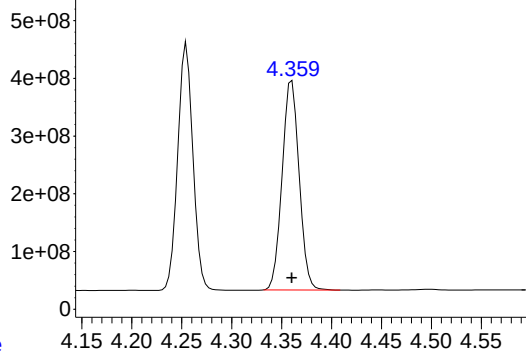


#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 669423227  
Conc: 101.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

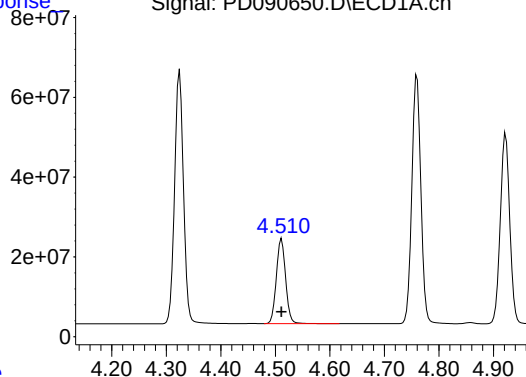
Time Response\_ Signal: PD090650.D\ECD2B.ch



#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 4308380411  
Conc: 97.79 ng/ml

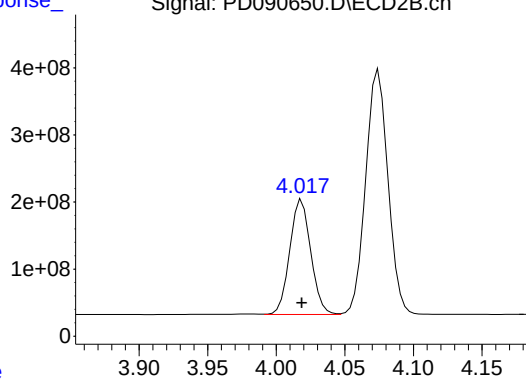
Time Response\_ Signal: PD090650.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: 0.000 min  
Response: 251520811  
Conc: 99.50 ng/ml

Time Response\_ Signal: PD090650.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 1829668615  
Conc: 97.90 ng/ml

Response\_

Signal: PD090650.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.760 min

Delta R.T.: 0.000 min

Response: 716926396

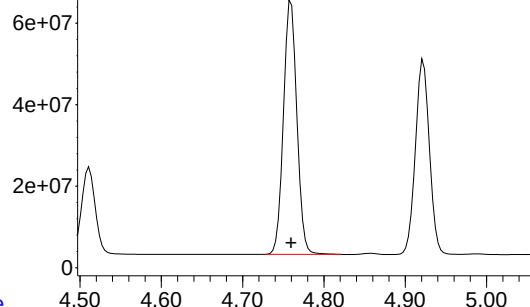
Conc: 102.85 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PSTDICC100



Time

Response\_

Signal: PD090650.D\ECD2B.ch

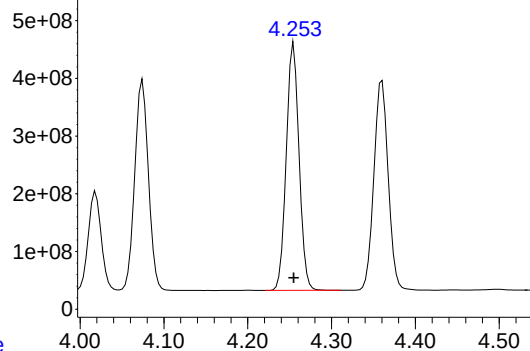
#7 delta-BHC

R.T.: 4.255 min

Delta R.T.: 0.000 min

Response: 4532491918

Conc: 98.76 ng/ml



Time

Response\_

Signal: PD090650.D\ECD1A.ch

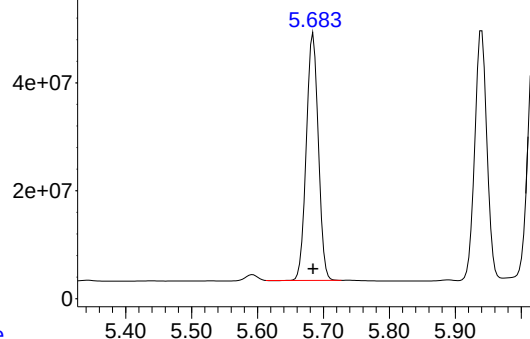
#8 Heptachlor epoxide

R.T.: 5.685 min

Delta R.T.: 0.000 min

Response: 579557032

Conc: 100.67 ng/ml



Time

Response\_

Signal: PD090650.D\ECD2B.ch

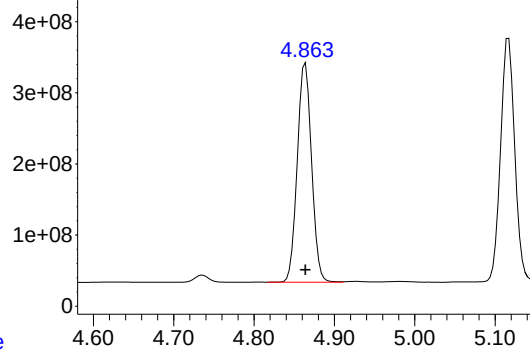
#8 Heptachlor epoxide

R.T.: 4.864 min

Delta R.T.: 0.000 min

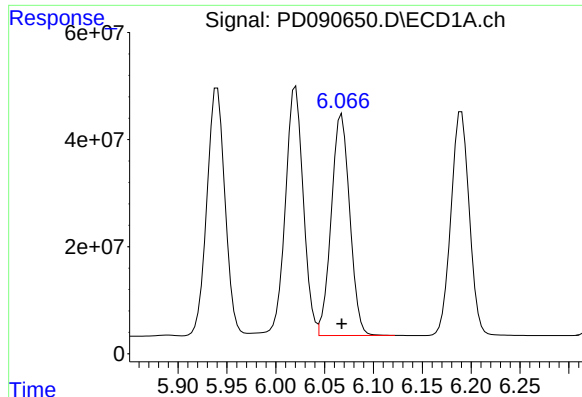
Response: 3820342410

Conc: 96.87 ng/ml



Time

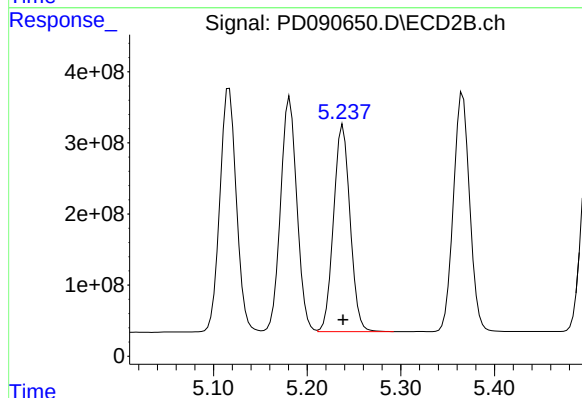




## #9 Endosulfan I

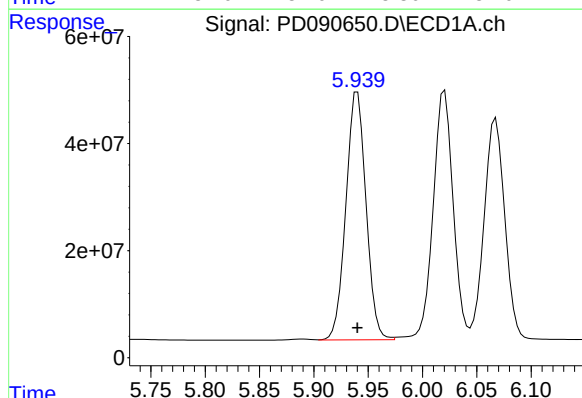
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 545227033  
Conc: 100.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100



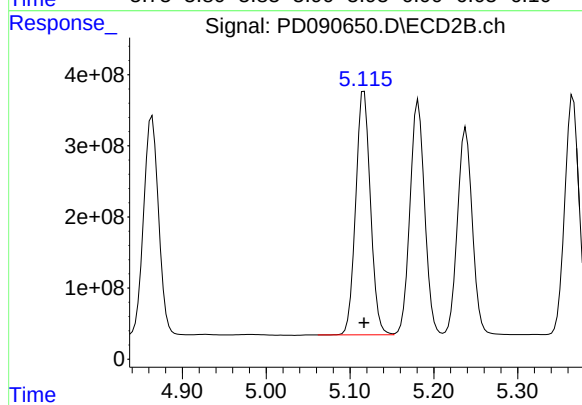
## #9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 3572859410  
Conc: 96.68 ng/ml



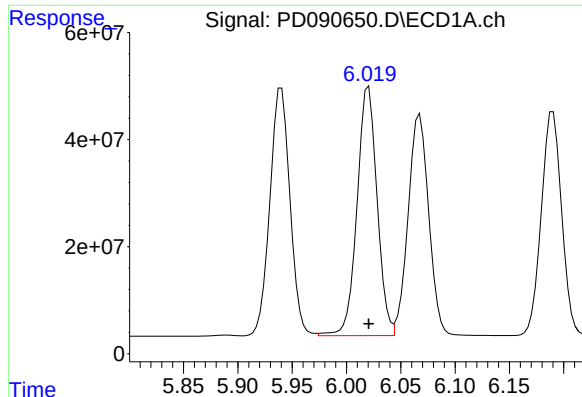
## #10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 597245354  
Conc: 100.99 ng/ml



## #10 gamma-Chlordane

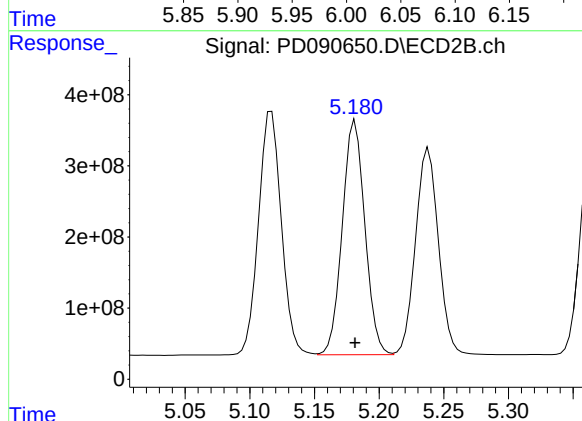
R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 4192081714  
Conc: 97.87 ng/ml



#11 alpha-Chlordane

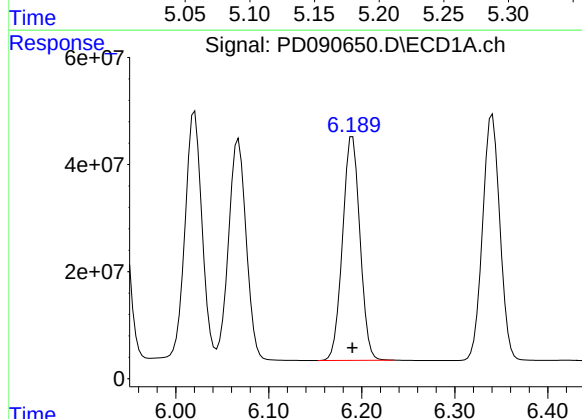
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 596606616  
Conc: 100.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100



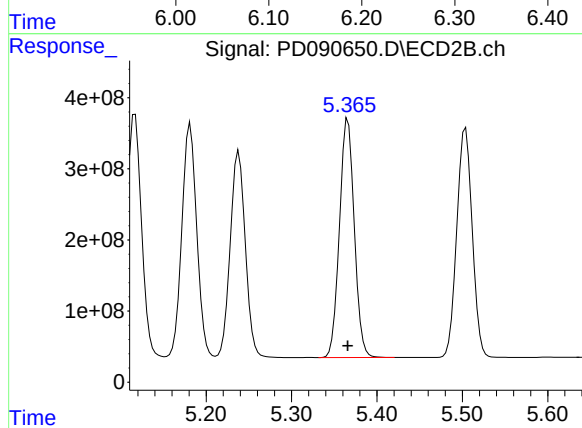
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 4000403429  
Conc: 97.69 ng/ml



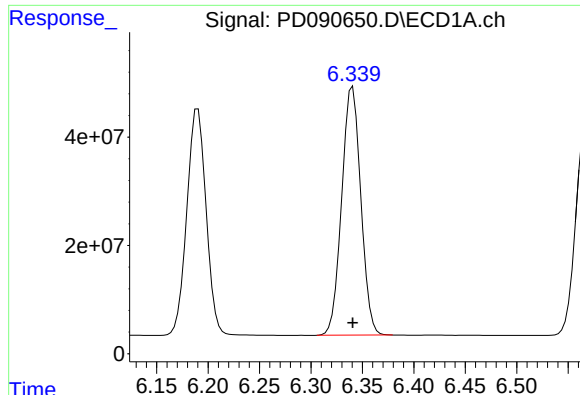
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 543560575  
Conc: 101.10 ng/ml



#12 4,4'-DDE

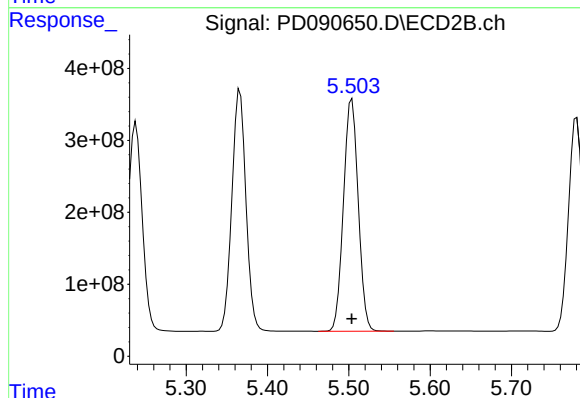
R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 4050079316  
Conc: 97.53 ng/ml



#13 Dieldrin

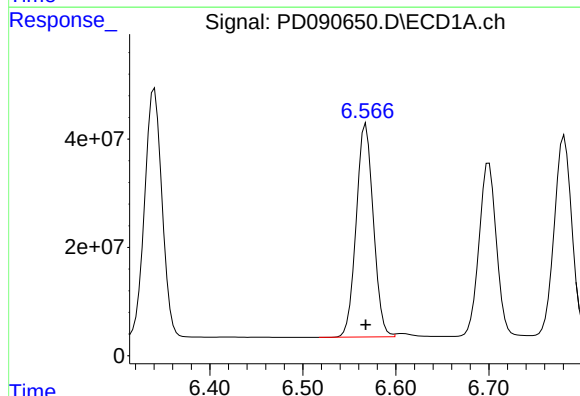
R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 592988915  
Conc: 100.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100



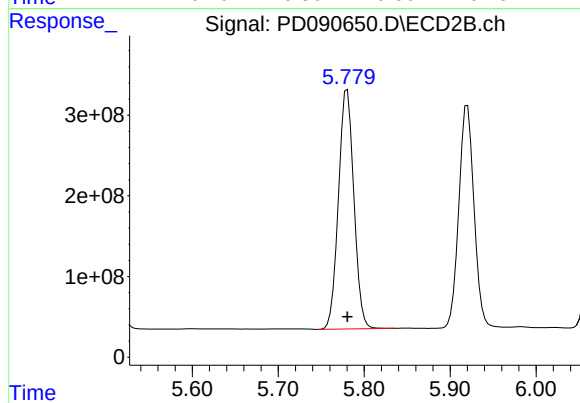
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: 0.000 min  
Response: 4060107897  
Conc: 97.02 ng/ml



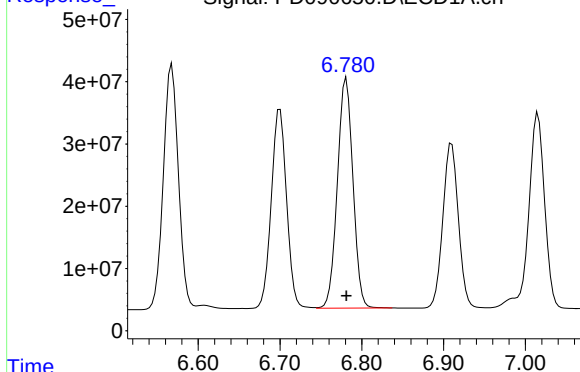
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 503593872  
Conc: 100.98 ng/ml



#14 Endrin

R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 3690195471  
Conc: 96.72 ng/ml



R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 487323424  
Conc: 99.88 ng/ml

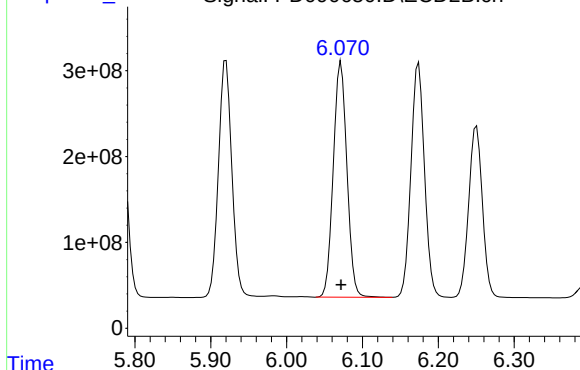
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

Time

Response\_

Signal: PD090650.D\ECD2B.ch

#15 Endosulfan II



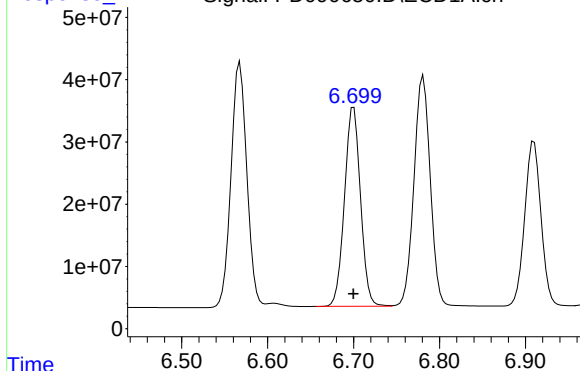
R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 3426973062  
Conc: 96.94 ng/ml

Time

Response\_

Signal: PD090650.D\ECD1A.ch

#16 4,4'-DDD



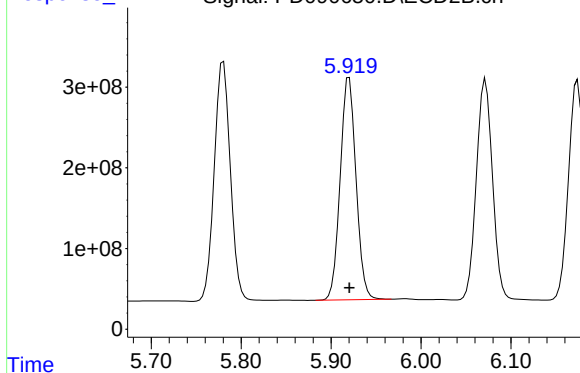
R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 415098011  
Conc: 101.16 ng/ml

Time

Response\_

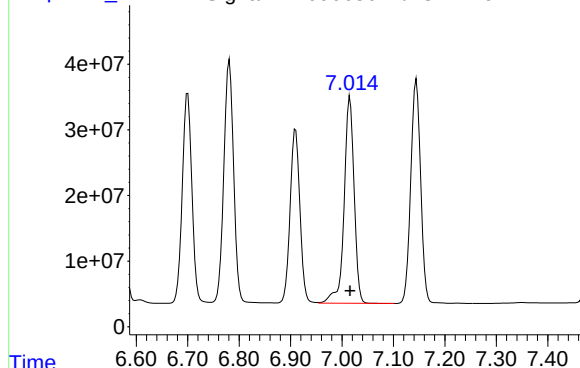
Signal: PD090650.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.920 min  
Delta R.T.: 0.000 min  
Response: 3370894623  
Conc: 97.33 ng/ml

Response\_ Signal: PD090650.D\ECD1A.ch

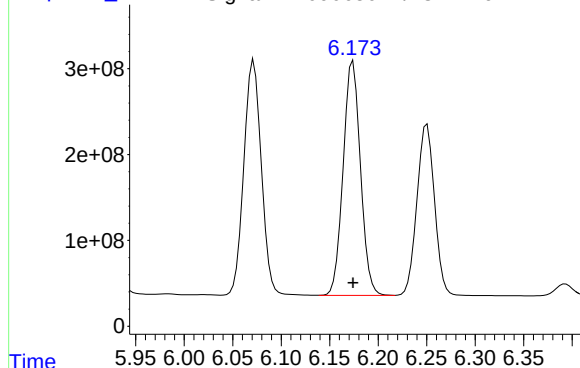


#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 425681261  
Conc: 101.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

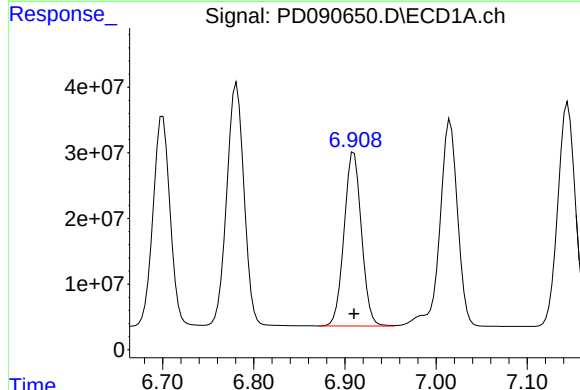
Response\_ Signal: PD090650.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 3388802413  
Conc: 98.57 ng/ml

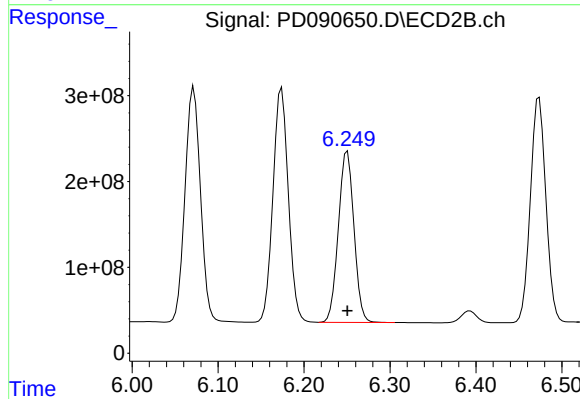
Response\_ Signal: PD090650.D\ECD1A.ch



#18 Endrin aldehyde

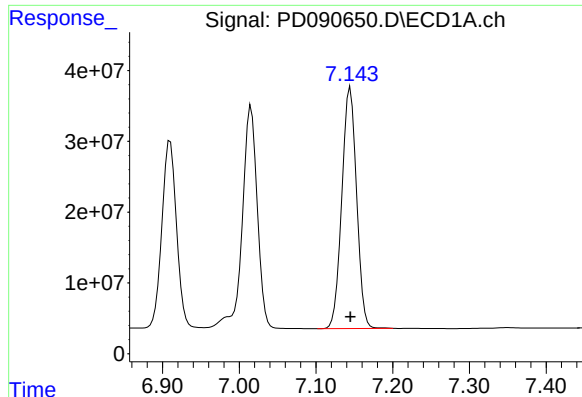
R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 350587578  
Conc: 99.07 ng/ml

Response\_ Signal: PD090650.D\ECD2B.ch



#18 Endrin aldehyde

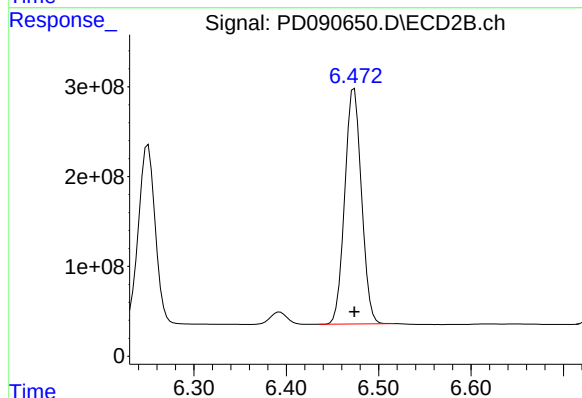
R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 2511089389  
Conc: 96.57 ng/ml



## #19 Endosulfan Sulfate

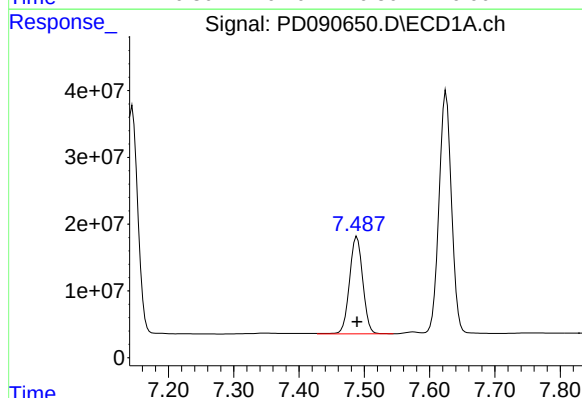
R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 455705527  
Conc: 100.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100



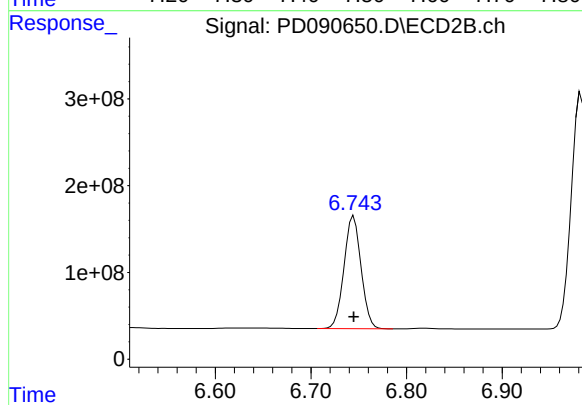
## #19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 3296343899  
Conc: 97.06 ng/ml



## #20 Methoxychlor

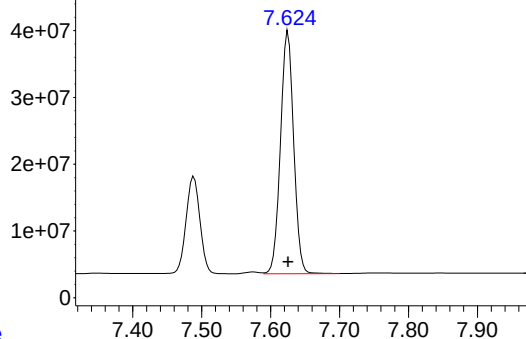
R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 205006247  
Conc: 99.31 ng/ml



## #20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 1611694442  
Conc: 96.75 ng/ml

Response\_ Signal: PD090650.D\ECD1A.ch

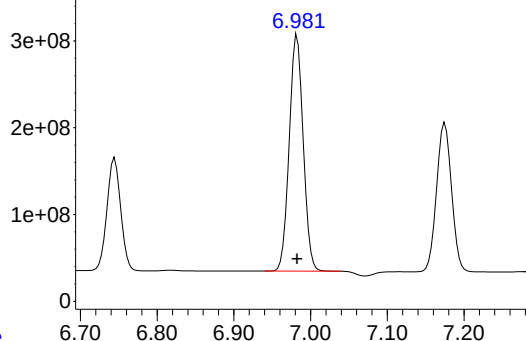


#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 481977282  
Conc: 100.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

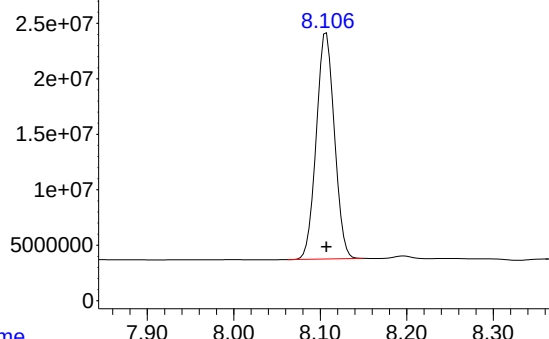
Time Response\_ Signal: PD090650.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: 0.000 min  
Response: 3446004756  
Conc: 97.06 ng/ml

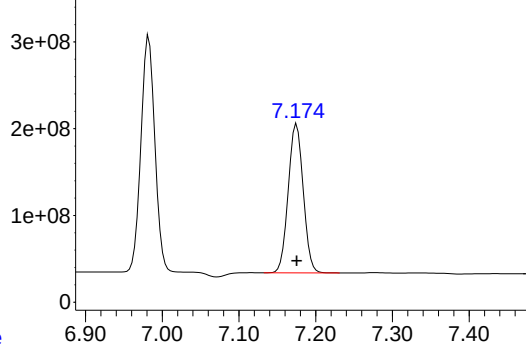
Time Response\_ Signal: PD090650.D\ECD1A.ch



#22 Mirex

R.T.: 8.107 min  
Delta R.T.: 0.000 min  
Response: 295471777  
Conc: 97.72 ng/ml

Time Response\_ Signal: PD090650.D\ECD2B.ch



#22 Mirex

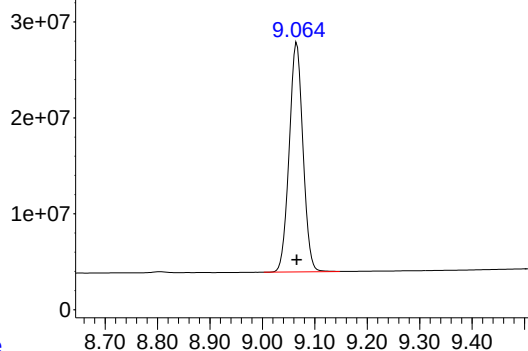
R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 2331618859  
Conc: 97.24 ng/ml

Response\_

Signal: PD090650.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.066 min  
Delta R.T.: 0.000 min  
Response: 436118427  
Conc: 98.36 ng/ml

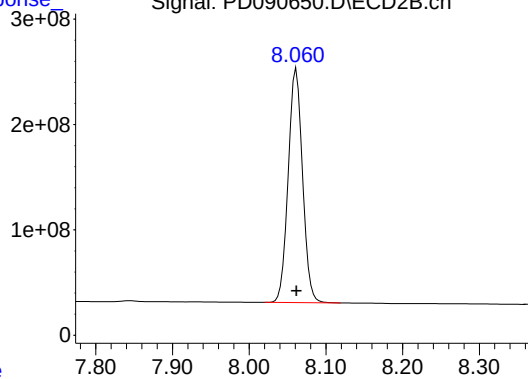
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

Time

Response

Signal: PD090650.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 2885681422  
Conc: 99.22 ng/ml

Time



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090651.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 11:48  
 Operator : AR\AJ  
 Sample : PSTDICC075  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC075

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:35:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.545 | 2.875 | 221.3E6 | 2076.7E6 | 73.844 | 73.982 |
| 28)                         | SA Decachlor... | 9.065 | 8.062 | 323.6E6 | 2118.5E6 | 73.652 | 73.550 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.387 | 555.2E6 | 3629.4E6 | 74.331 | 73.972 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.723 | 517.9E6 | 3345.4E6 | 74.376 | 74.044 |
| 4)                          | MA Heptachlor   | 4.923 | 4.076 | 419.8E6 | 3135.8E6 | 74.519 | 74.471 |
| 5)                          | MB Aldrin       | 5.265 | 4.361 | 492.2E6 | 3268.1E6 | 74.671 | 74.449 |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 186.7E6 | 1377.4E6 | 74.235 | 74.130 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 517.9E6 | 3391.5E6 | 74.535 | 74.261 |
| 8)                          | B Heptachlo...  | 5.685 | 4.865 | 428.1E6 | 2916.9E6 | 74.574 | 74.304 |
| 9)                          | A Endosulfan I  | 6.068 | 5.239 | 405.3E6 | 2744.0E6 | 74.575 | 74.497 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 442.1E6 | 3181.7E6 | 74.831 | 74.517 |
| 11)                         | B alpha-Chl...  | 6.021 | 5.182 | 442.9E6 | 3041.3E6 | 74.605 | 74.512 |
| 12)                         | B 4,4'-DDE      | 6.191 | 5.366 | 402.8E6 | 3089.3E6 | 74.945 | 74.597 |
| 13)                         | MA Dieldrin     | 6.341 | 5.504 | 438.1E6 | 3106.9E6 | 74.726 | 74.493 |
| 14)                         | MA Endrin       | 6.568 | 5.781 | 372.2E6 | 2837.1E6 | 74.757 | 74.574 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 362.7E6 | 2622.6E6 | 74.556 | 74.457 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.921 | 305.6E6 | 2573.2E6 | 74.659 | 74.529 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.175 | 311.4E6 | 2548.7E6 | 74.584 | 74.422 |
| 18)                         | B Endrin al...  | 6.910 | 6.251 | 263.1E6 | 1930.5E6 | 74.563 | 74.493 |
| 19)                         | B Endosulfa...  | 7.145 | 6.474 | 337.9E6 | 2515.4E6 | 74.430 | 74.374 |
| 20)                         | A Methoxychlor  | 7.488 | 6.745 | 151.2E6 | 1223.7E6 | 73.804 | 73.968 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 355.2E6 | 2626.5E6 | 74.325 | 74.314 |
| 22)                         | Mirex           | 8.108 | 7.176 | 222.5E6 | 1780.4E6 | 74.051 | 74.497 |
| -----                       |                 |       |       |         |          |        |        |

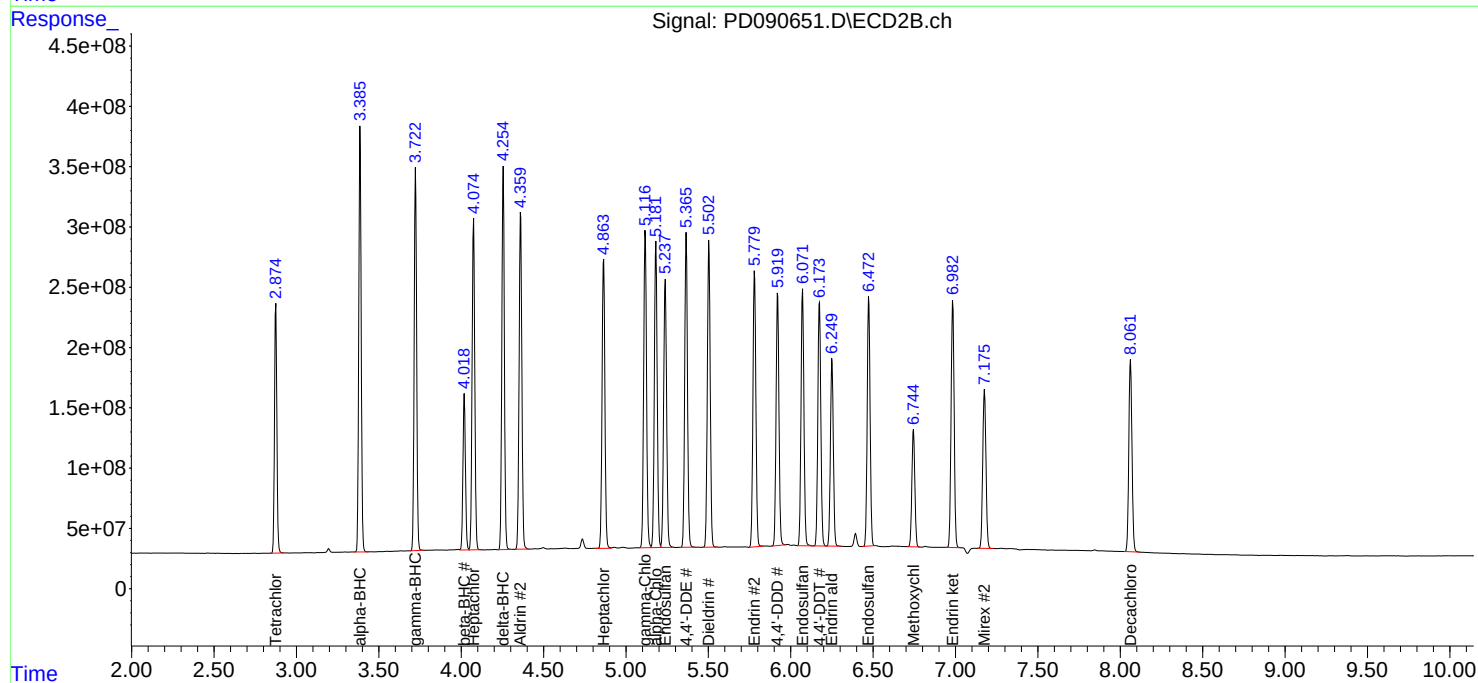
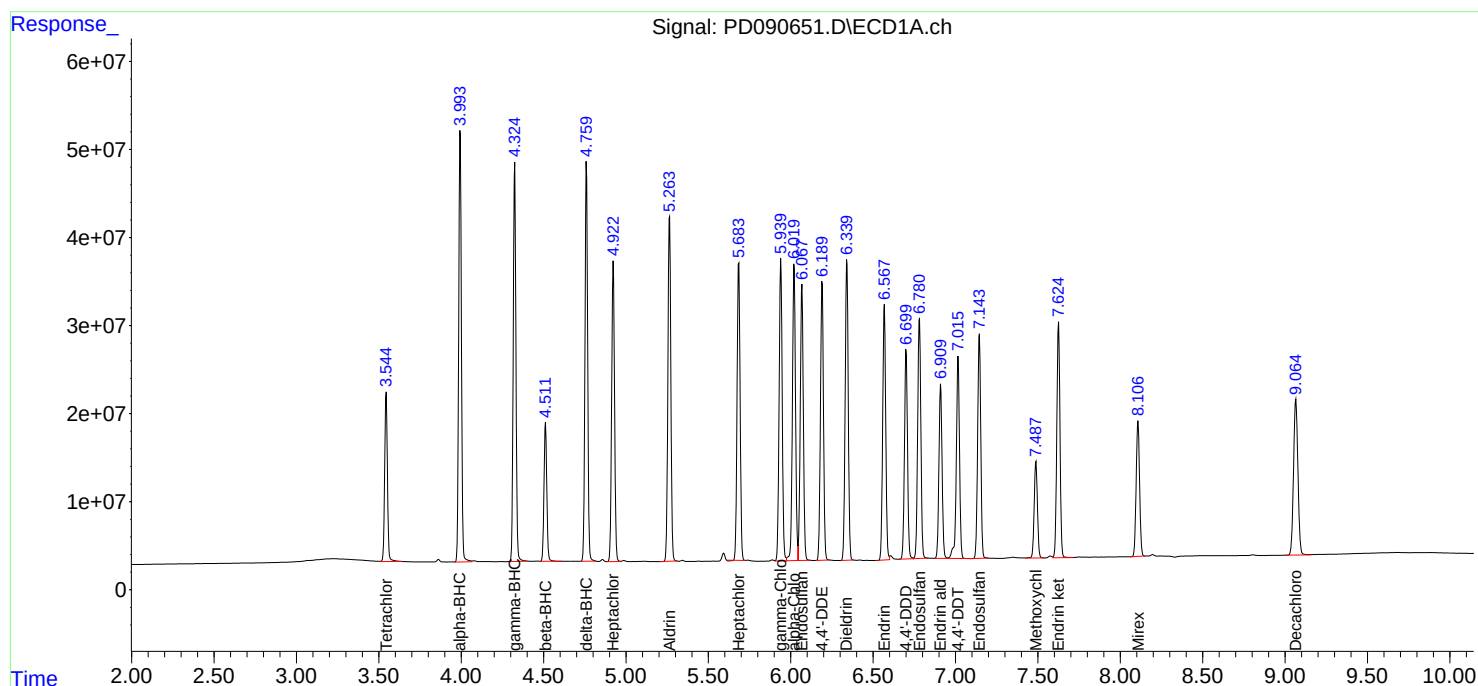
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

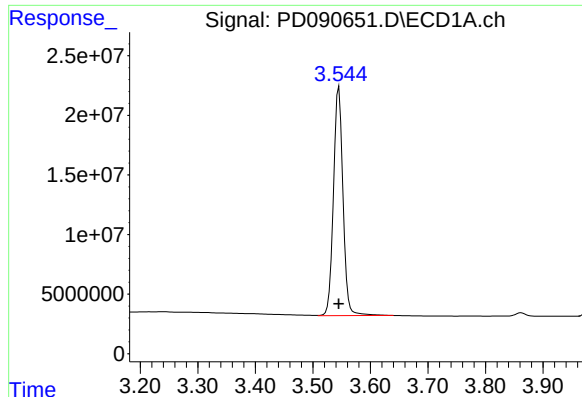
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090651.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 11:48  
Operator : AR\AJ  
Sample : PSTDICC075  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:35:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm

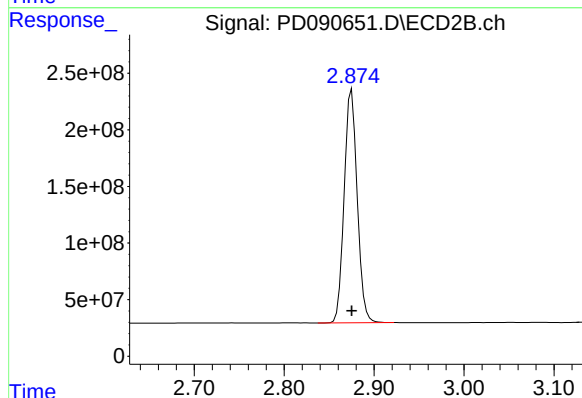




#1 Tetrachloro-m-xylene

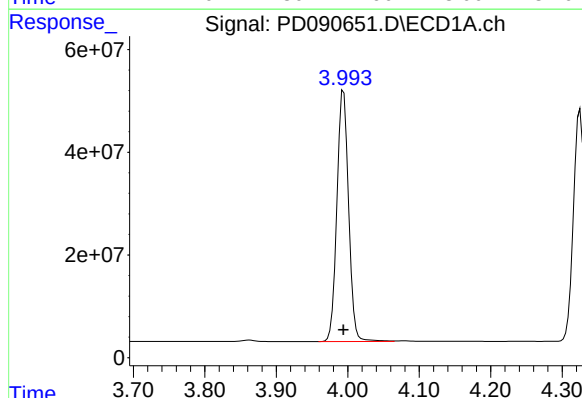
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 221338475  
Conc: 73.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075



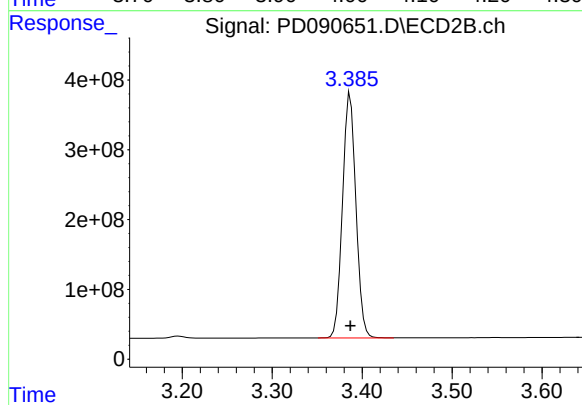
#1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 2076681010  
Conc: 73.98 ng/ml



#2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 555178575  
Conc: 74.33 ng/ml



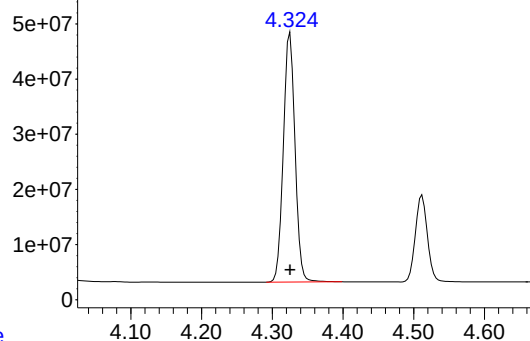
#2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: 0.000 min  
Response: 3629403435  
Conc: 73.97 ng/ml

Response\_

Signal: PD090651.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.325 min  
Delta R.T.: 0.000 min  
Response: 517939637  
Conc: 74.38 ng/ml

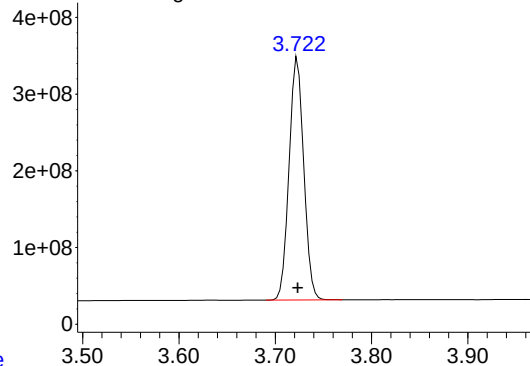
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

Time

Response\_

Signal: PD090651.D\ECD2B.ch

#3 gamma-BHC (Lindane)



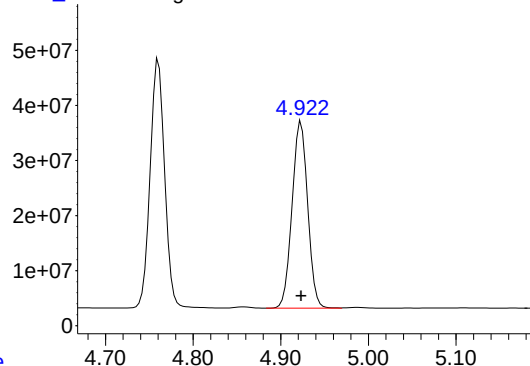
R.T.: 3.723 min  
Delta R.T.: 0.000 min  
Response: 3345366469  
Conc: 74.04 ng/ml

Time

Response\_

Signal: PD090651.D\ECD1A.ch

#4 Heptachlor



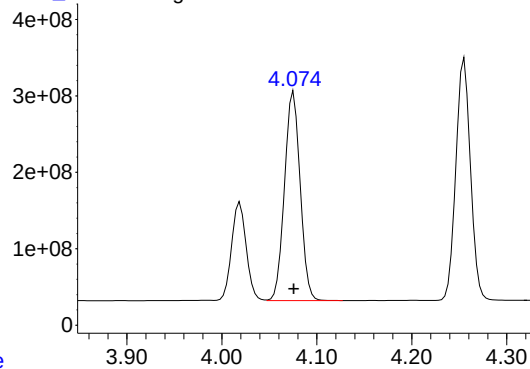
R.T.: 4.923 min  
Delta R.T.: 0.000 min  
Response: 419813050  
Conc: 74.52 ng/ml

Time

Response\_

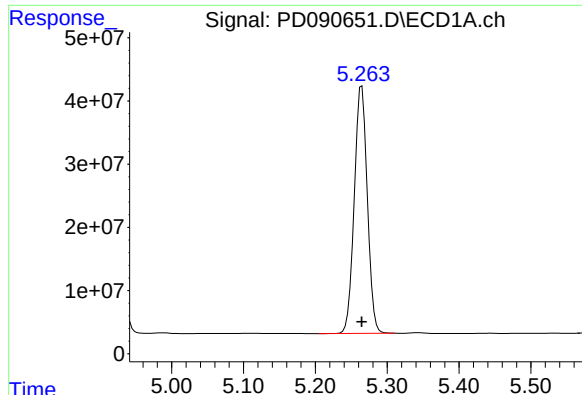
Signal: PD090651.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.076 min  
Delta R.T.: 0.000 min  
Response: 3135796942  
Conc: 74.47 ng/ml

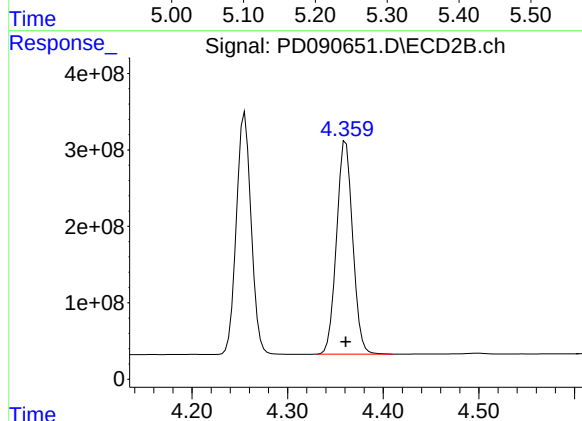
Time



#5 Aldrin

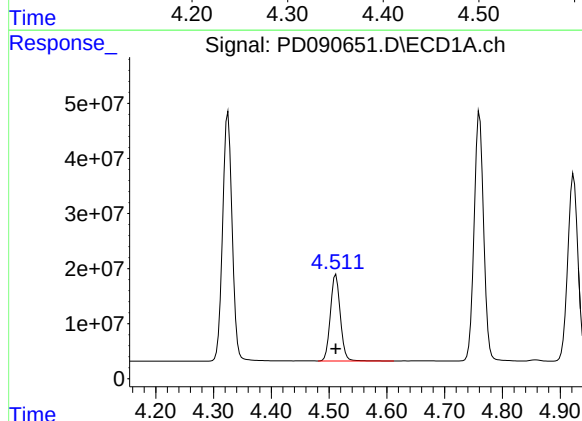
R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 492167044  
Conc: 74.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075



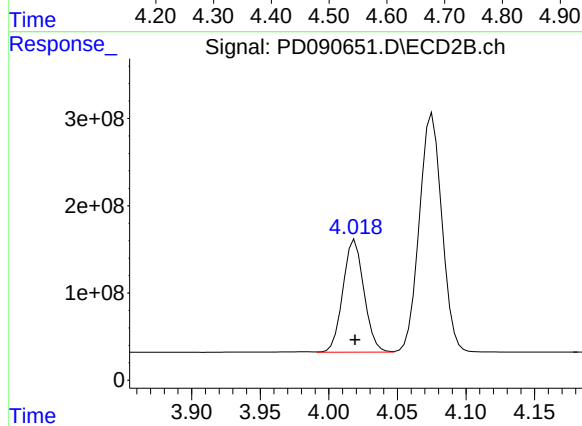
#5 Aldrin

R.T.: 4.361 min  
Delta R.T.: 0.000 min  
Response: 3268108002  
Conc: 74.45 ng/ml



#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 186698186  
Conc: 74.24 ng/ml



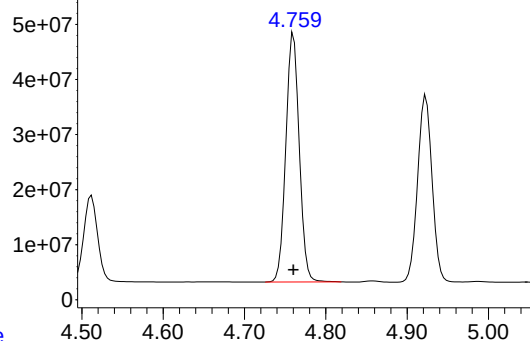
#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 1377409505  
Conc: 74.13 ng/ml

Response\_

Signal: PD090651.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 517928984  
Conc: 74.53 ng/ml

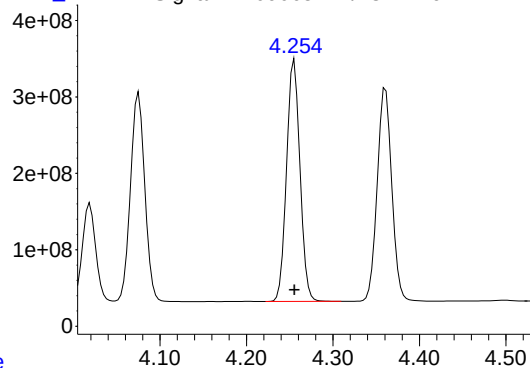
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

Time

Response\_

Signal: PD090651.D\ECD2B.ch

#7 delta-BHC



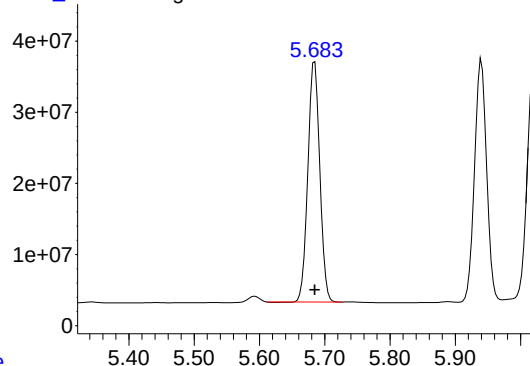
R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 3391516826  
Conc: 74.26 ng/ml

Time

Response\_

Signal: PD090651.D\ECD1A.ch

#8 Heptachlor epoxide



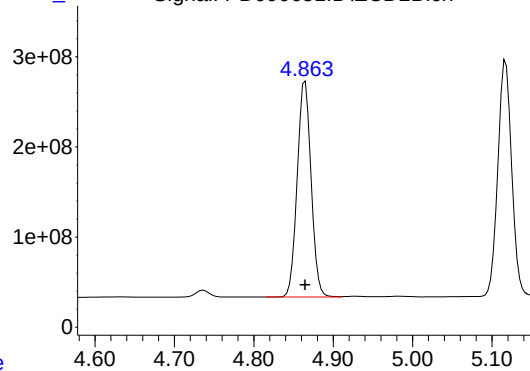
R.T.: 5.685 min  
Delta R.T.: 0.000 min  
Response: 428112423  
Conc: 74.57 ng/ml

Time

Response\_

Signal: PD090651.D\ECD2B.ch

#8 Heptachlor epoxide



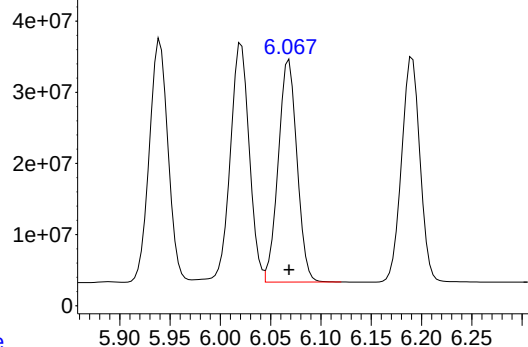
R.T.: 4.865 min  
Delta R.T.: 0.000 min  
Response: 2916863262  
Conc: 74.30 ng/ml

Time

Response\_

Signal: PD090651.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 405336624  
Conc: 74.58 ng/ml

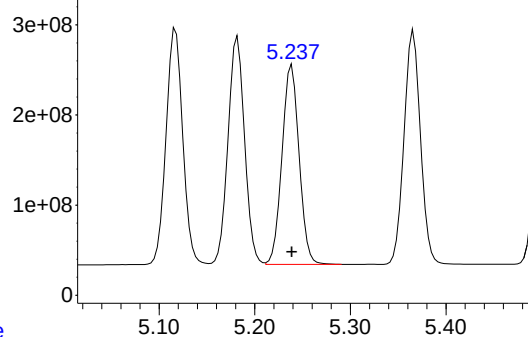
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

Time

Response\_

Signal: PD090651.D\ECD2B.ch

#9 Endosulfan I



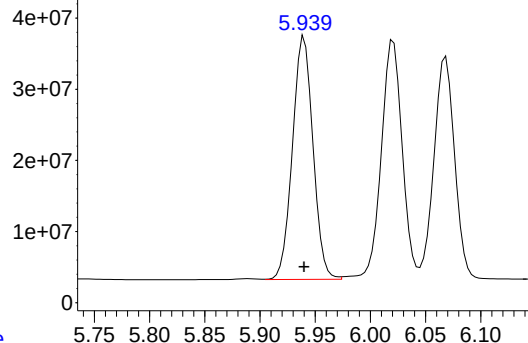
R.T.: 5.239 min  
Delta R.T.: 0.000 min  
Response: 2743979164  
Conc: 74.50 ng/ml

Time

Response\_

Signal: PD090651.D\ECD1A.ch

#10 gamma-Chlordane



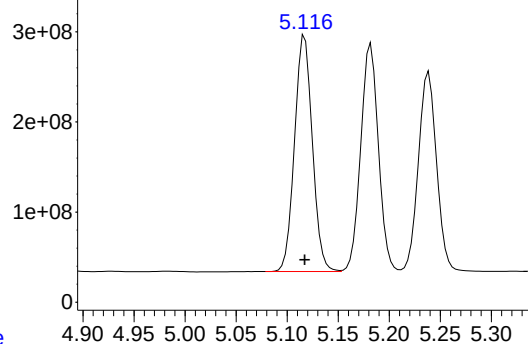
R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 442053358  
Conc: 74.83 ng/ml

Time

Response\_

Signal: PD090651.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 3181670591  
Conc: 74.52 ng/ml

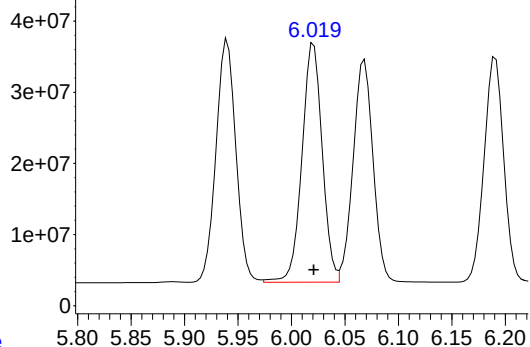
Time

Response\_

Signal: PD090651.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



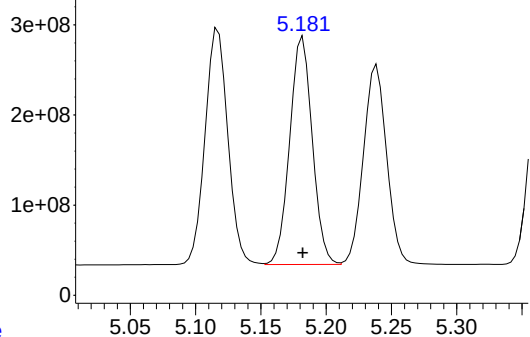
R.T.: 6.021 min  
Delta R.T.: 0.000 min  
Response: 442910146  
Conc: 74.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

Response\_

Signal: PD090651.D\ECD2B.ch

#11 alpha-Chlordane



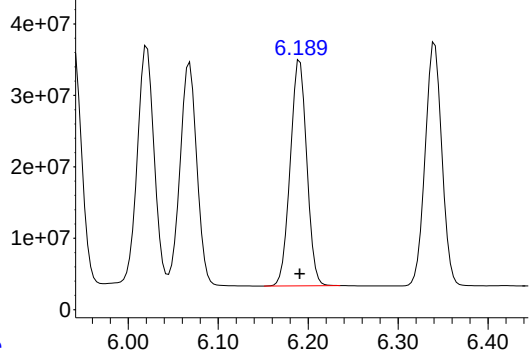
R.T.: 5.182 min  
Delta R.T.: 0.000 min  
Response: 3041262707  
Conc: 74.51 ng/ml

Time

Response\_

Signal: PD090651.D\ECD1A.ch

#12 4,4'-DDE



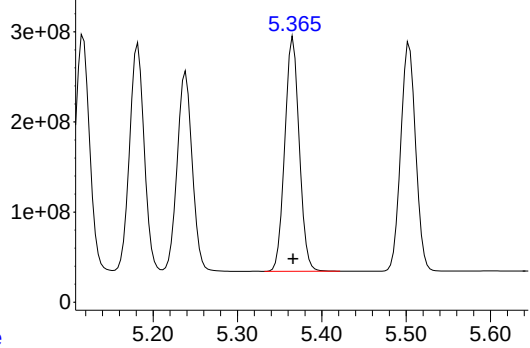
R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 402806011  
Conc: 74.95 ng/ml

Time

Response\_

Signal: PD090651.D\ECD2B.ch

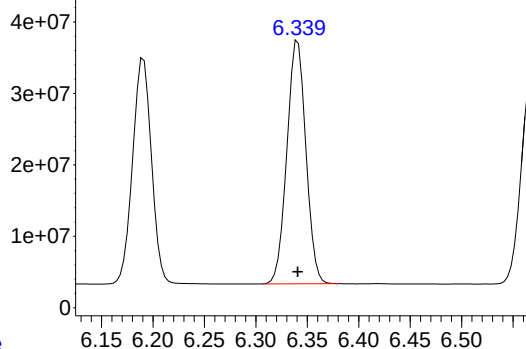
#12 4,4'-DDE



R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 3089327488  
Conc: 74.60 ng/ml



Response\_ Signal: PD090651.D\ECD1A.ch

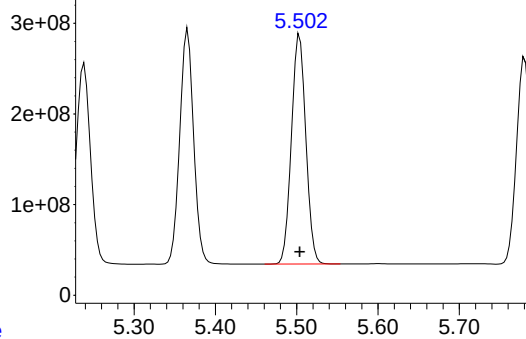


#13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 438145830  
Conc: 74.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

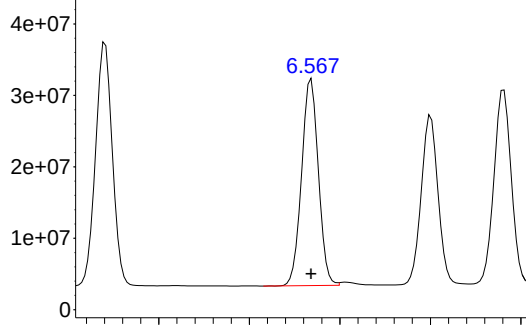
Response\_ Signal: PD090651.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: 0.000 min  
Response: 3106916142  
Conc: 74.49 ng/ml

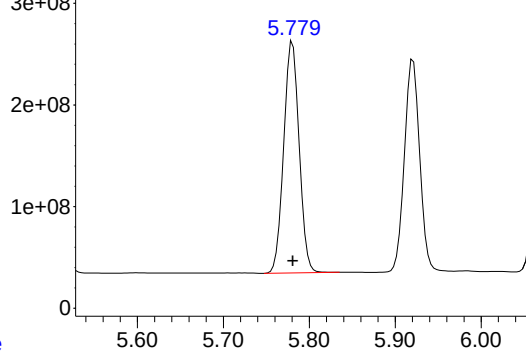
Response\_ Signal: PD090651.D\ECD1A.ch



#14 Endrin

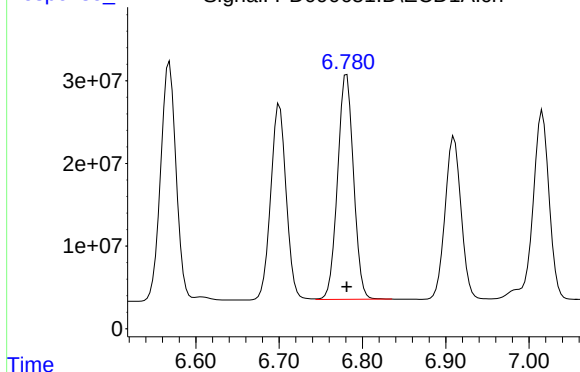
R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 372217983  
Conc: 74.76 ng/ml

Response\_ Signal: PD090651.D\ECD2B.ch



#14 Endrin

R.T.: 5.781 min  
Delta R.T.: 0.000 min  
Response: 2837058459  
Conc: 74.57 ng/ml



R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 362696180  
Conc: 74.56 ng/ml

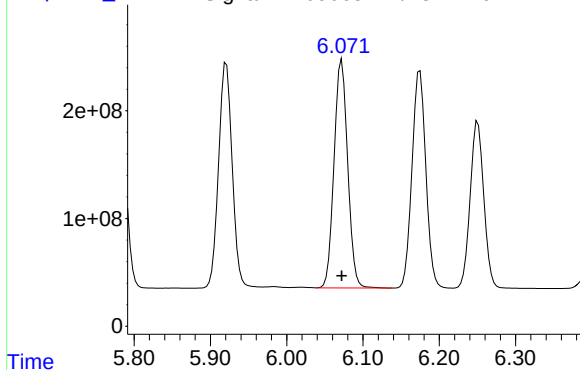
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

Time

Response\_

Signal: PD090651.D\ECD2B.ch

#15 Endosulfan II



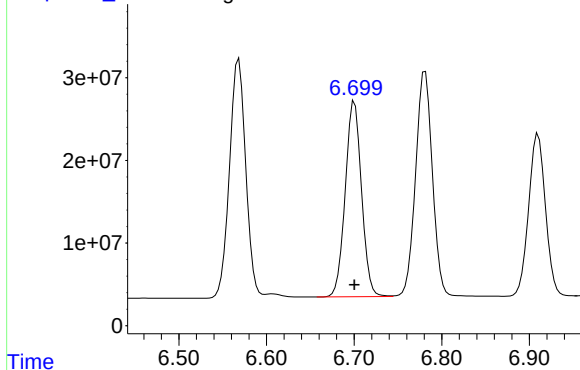
R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 2622605787  
Conc: 74.46 ng/ml

Time

Response\_

Signal: PD090651.D\ECD1A.ch

#16 4,4'-DDD



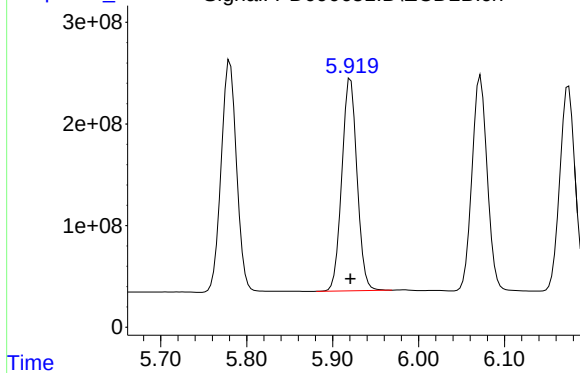
R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 305645357  
Conc: 74.66 ng/ml

Time

Response\_

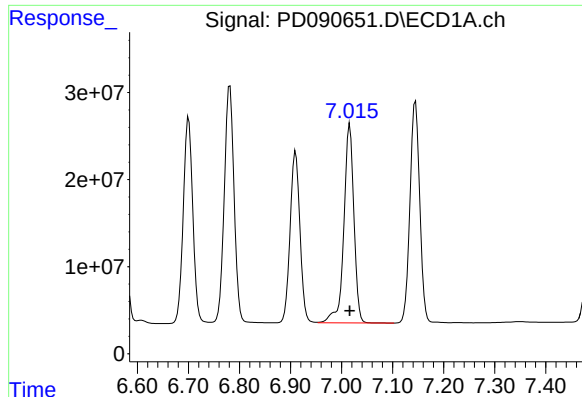
Signal: PD090651.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.921 min  
Delta R.T.: 0.000 min  
Response: 2573202277  
Conc: 74.53 ng/ml

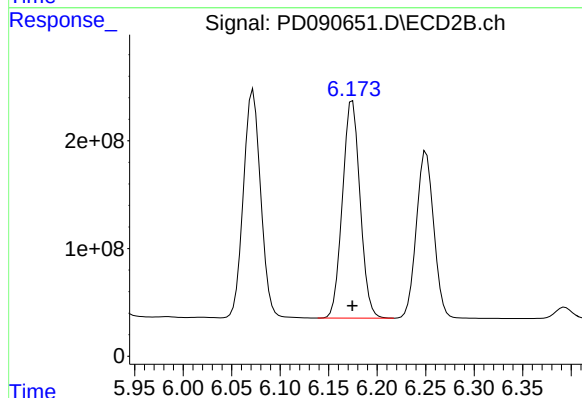
Time



#17 4,4'-DDT

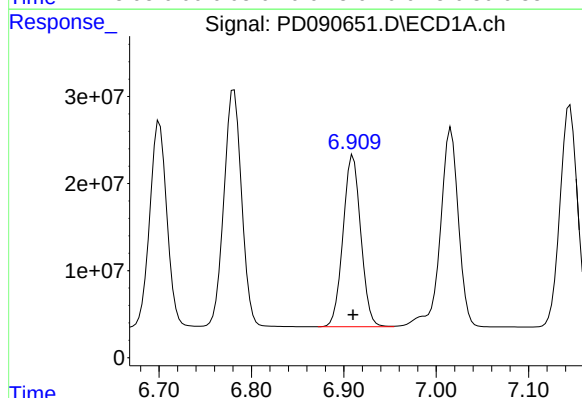
R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 311444736  
Conc: 74.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075



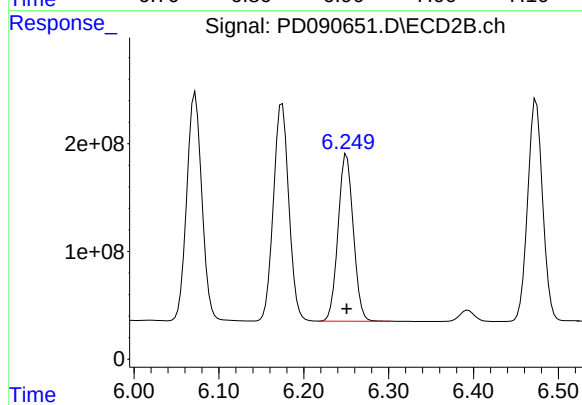
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 2548691729  
Conc: 74.42 ng/ml



#18 Endrin aldehyde

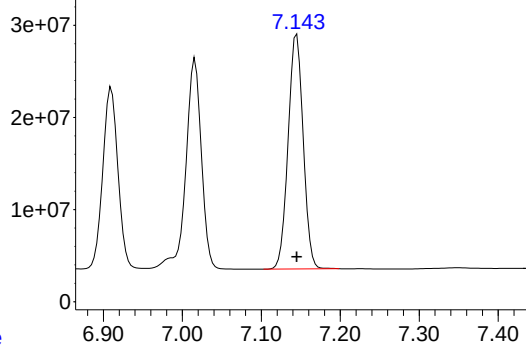
R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 263096696  
Conc: 74.56 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min  
Delta R.T.: 0.000 min  
Response: 1930452420  
Conc: 74.49 ng/ml

Response\_ Signal: PD090651.D\ECD1A.ch

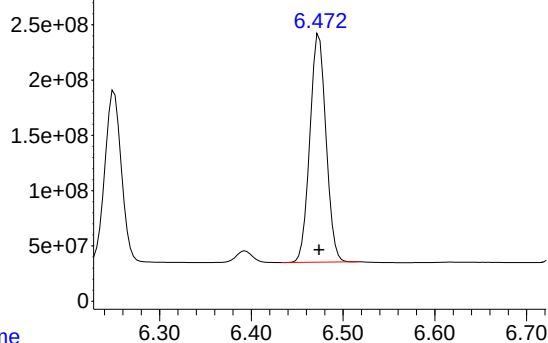


#19 Endosulfan Sulfate

R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 337864118  
Conc: 74.43 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

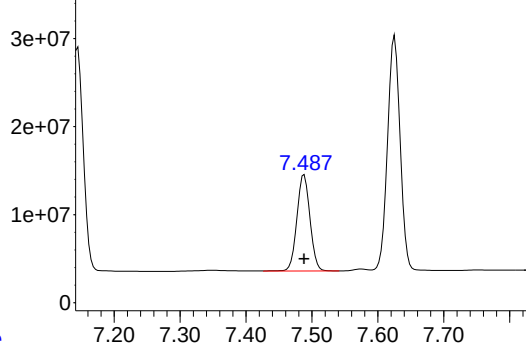
Time Response\_ Signal: PD090651.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 2515420876  
Conc: 74.37 ng/ml

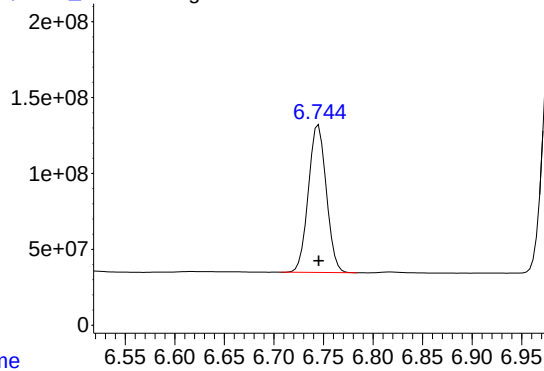
Time Response\_ Signal: PD090651.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.488 min  
Delta R.T.: 0.000 min  
Response: 151150843  
Conc: 73.80 ng/ml

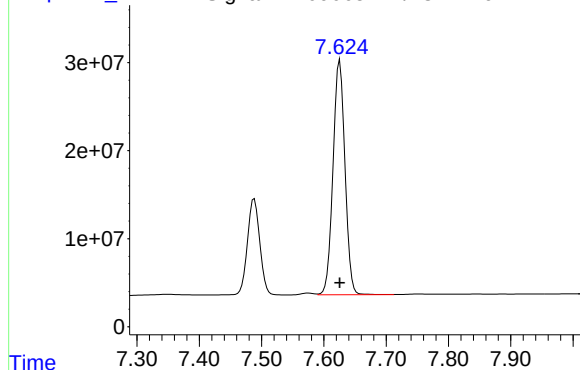
Time Response\_ Signal: PD090651.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 1223732210  
Conc: 73.97 ng/ml

Response\_ Signal: PD090651.D\ECD1A.ch

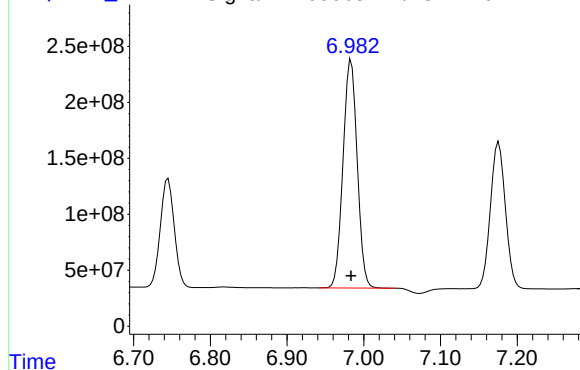


#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 355238454  
Conc: 74.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

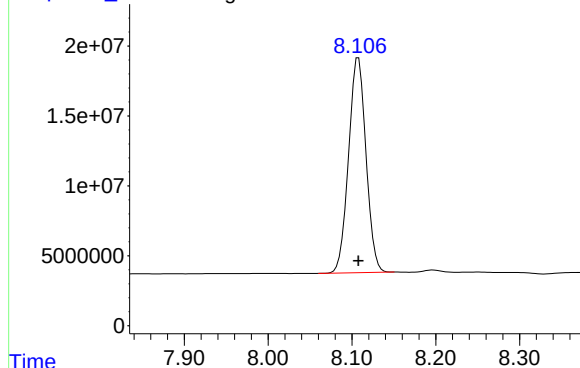
Response\_ Signal: PD090651.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 2626540426  
Conc: 74.31 ng/ml

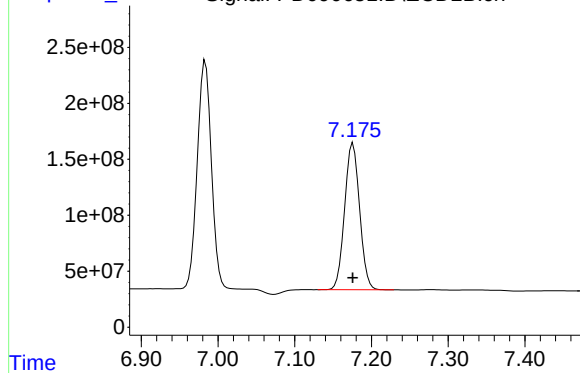
Response\_ Signal: PD090651.D\ECD1A.ch



#22 Mirex

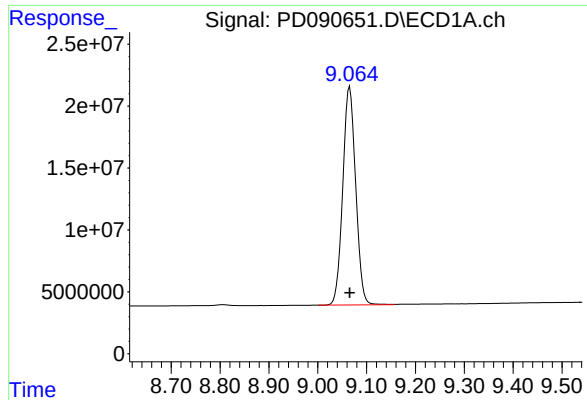
R.T.: 8.108 min  
Delta R.T.: 0.000 min  
Response: 222493333  
Conc: 74.05 ng/ml

Response\_ Signal: PD090651.D\ECD2B.ch



#22 Mirex

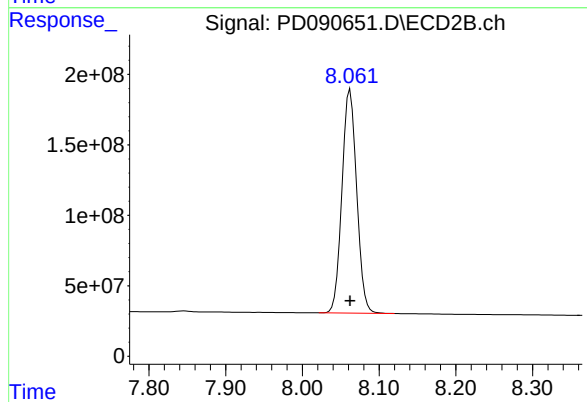
R.T.: 7.176 min  
Delta R.T.: 0.000 min  
Response: 1780357534  
Conc: 74.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min  
Delta R.T.: 0.000 min  
Response: 323645321  
Conc: 73.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 2118537336  
Conc: 73.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090652.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 12:01  
 Operator : AR\AJ  
 Sample : PSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:30:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.545 | 2.875 | 151.5E6 | 1430.9E6 | 50.000 | 50.000 |
| 28)                         | SA Decachlor... | 9.064 | 8.062 | 225.3E6 | 1465.4E6 | 50.000 | 50.000 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.387 | 362.6E6 | 2484.2E6 | 50.000 | 50.000 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.723 | 340.0E6 | 2298.6E6 | 50.000 | 50.000 |
| 4)                          | MA Heptachlor   | 4.923 | 4.075 | 277.3E6 | 2162.0E6 | 50.000 | 50.000 |
| 5)                          | MB Aldrin       | 5.264 | 4.361 | 325.8E6 | 2251.7E6 | 50.000 | 50.000 |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 127.0E6 | 954.0E6  | 50.000 | 50.000 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 338.6E6 | 2323.3E6 | 50.000 | 50.000 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 285.9E6 | 2033.6E6 | 50.000 | 50.000 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 272.5E6 | 1909.3E6 | 50.000 | 50.000 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 292.8E6 | 2187.4E6 | 50.000 | 50.000 |
| 11)                         | B alpha-Chl...  | 6.021 | 5.181 | 296.9E6 | 2094.7E6 | 50.000 | 50.000 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 265.9E6 | 2127.4E6 | 50.000 | 50.000 |
| 13)                         | MA Dieldrin     | 6.340 | 5.504 | 290.9E6 | 2154.8E6 | 50.000 | 50.000 |
| 14)                         | MA Endrin       | 6.568 | 5.781 | 246.9E6 | 1970.0E6 | 50.000 | 50.000 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 244.3E6 | 1821.6E6 | 50.000 | 50.000 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.921 | 202.8E6 | 1778.0E6 | 50.000 | 50.000 |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.174 | 205.9E6 | 1743.4E6 | 50.000 | 50.000 |
| 18)                         | B Endrin al...  | 6.910 | 6.250 | 178.6E6 | 1344.7E6 | 50.000 | 50.000 |
| 19)                         | B Endosulfa...  | 7.145 | 6.474 | 227.8E6 | 1748.0E6 | 50.000 | 50.000 |
| 20)                         | A Methoxychlor  | 7.488 | 6.745 | 103.9E6 | 859.9E6  | 50.000 | 50.000 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 239.1E6 | 1827.5E6 | 50.000 | 50.000 |
| 22)                         | Mirex           | 8.107 | 7.175 | 154.6E6 | 1232.0E6 | 50.000 | 50.000 |
| -----                       |                 |       |       |         |          |        |        |

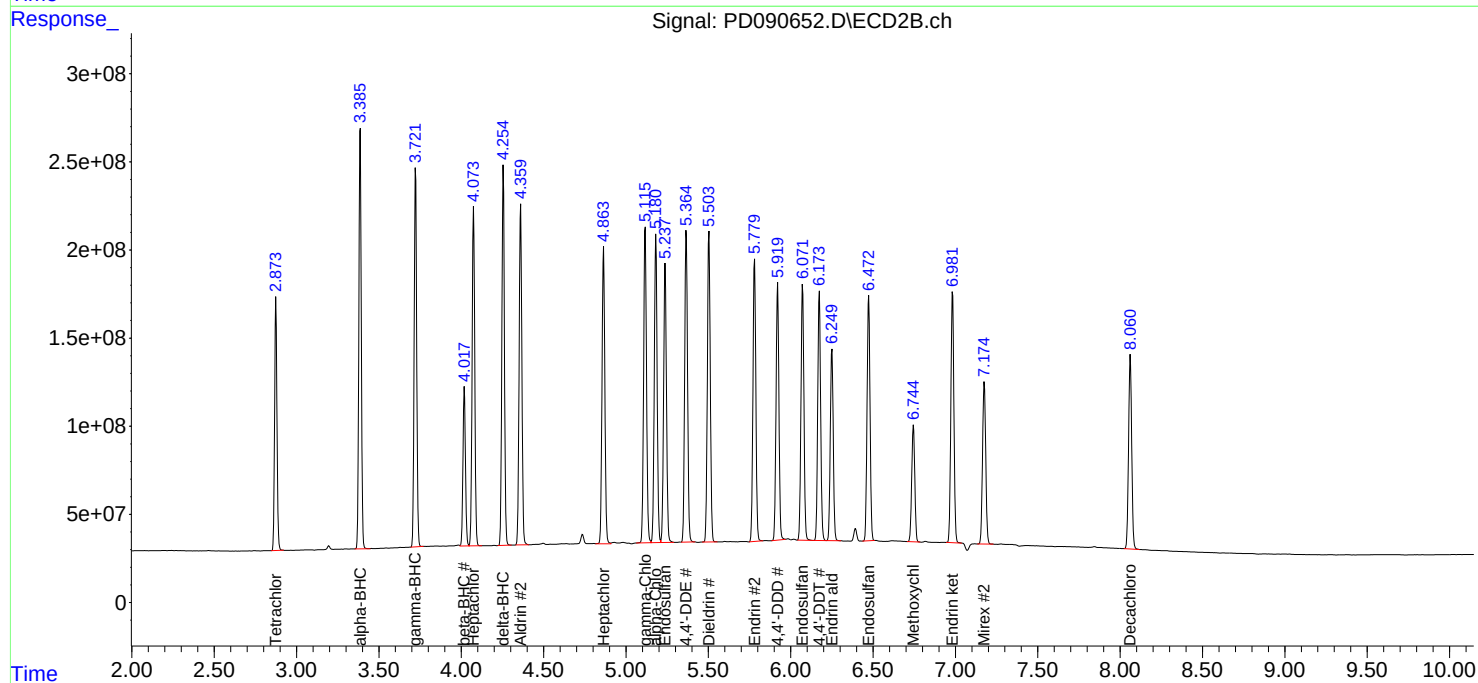
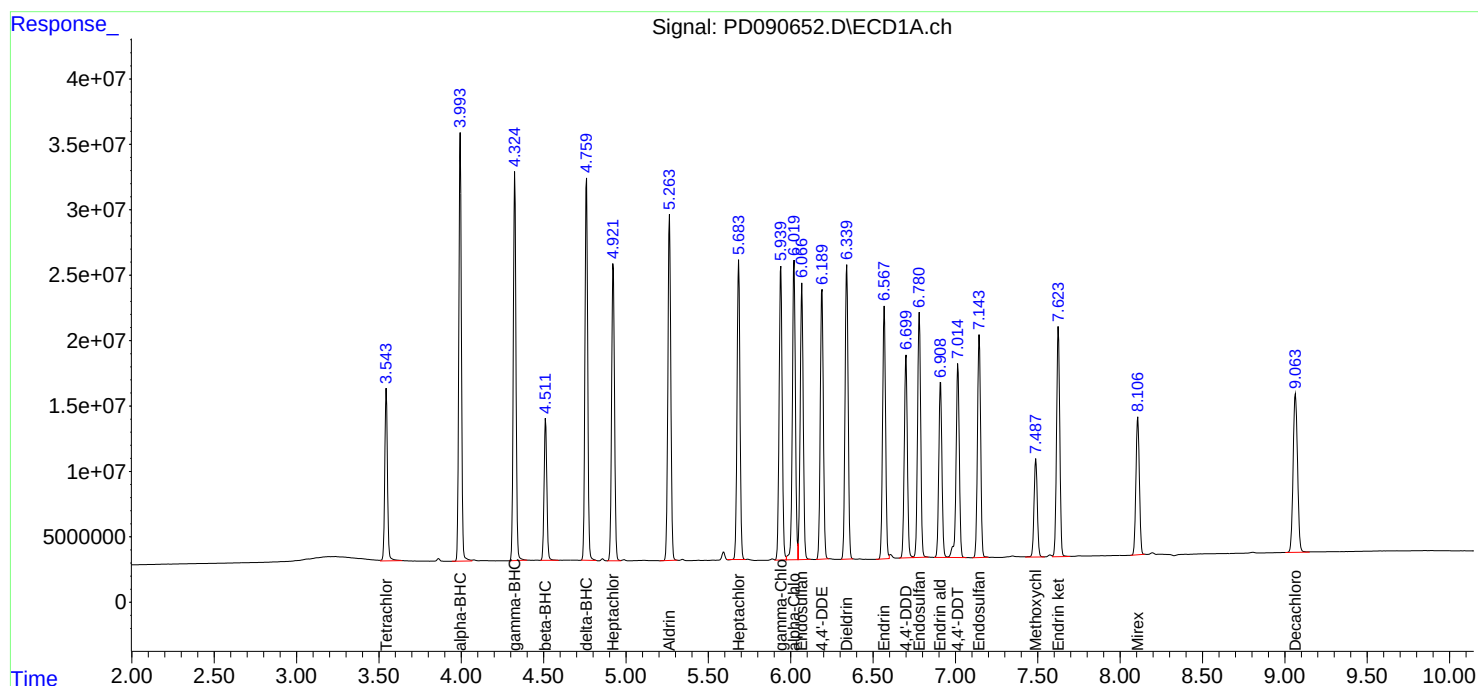
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090652.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 12:01  
Operator : AR\AJ  
Sample : PSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

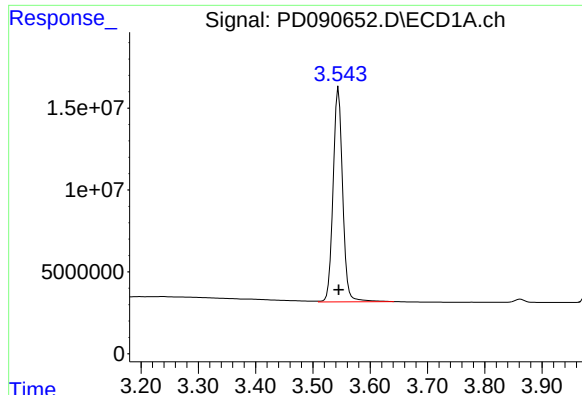
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:30:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm



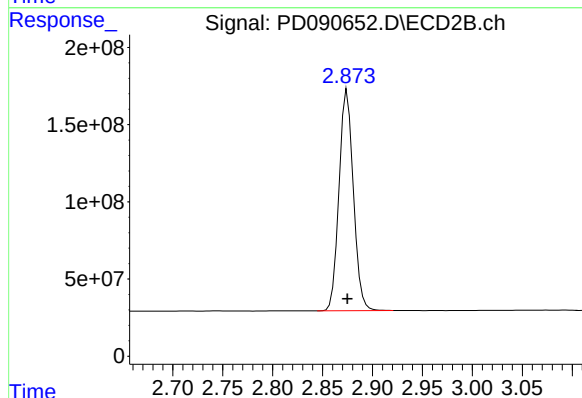




## #1 Tetrachloro-m-xylene

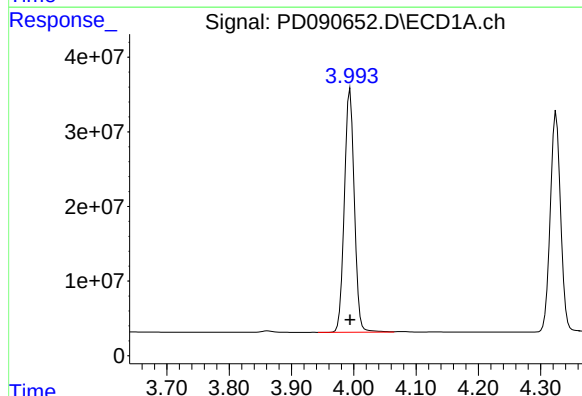
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 151504775  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



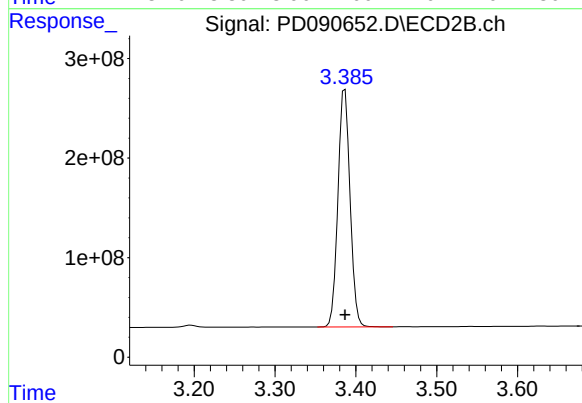
## #1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 1430869153  
Conc: 50.00 ng/ml



## #2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 362610738  
Conc: 50.00 ng/ml



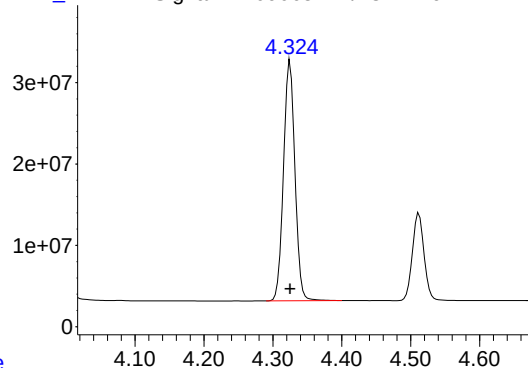
## #2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: 0.000 min  
Response: 2484185326  
Conc: 50.00 ng/ml

Response\_

Signal: PD090652.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.325 min  
Delta R.T.: 0.000 min  
Response: 339982682  
Conc: 50.00 ng/ml

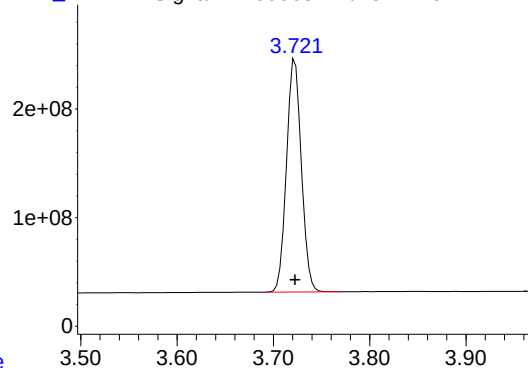
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050

Time

Response\_

Signal: PD090652.D\ECD2B.ch

#3 gamma-BHC (Lindane)



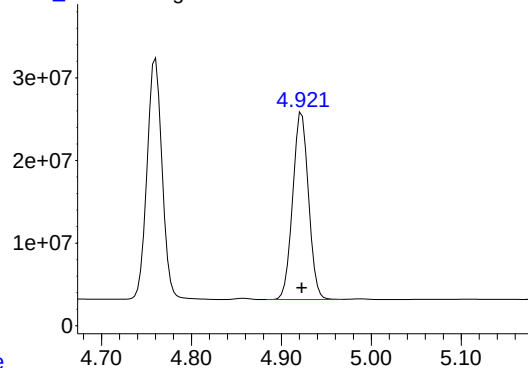
R.T.: 3.723 min  
Delta R.T.: 0.000 min  
Response: 2298638612  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PD090652.D\ECD1A.ch

#4 Heptachlor



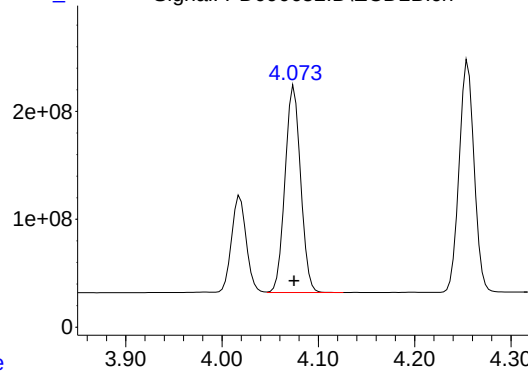
R.T.: 4.923 min  
Delta R.T.: 0.000 min  
Response: 277277005  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PD090652.D\ECD2B.ch

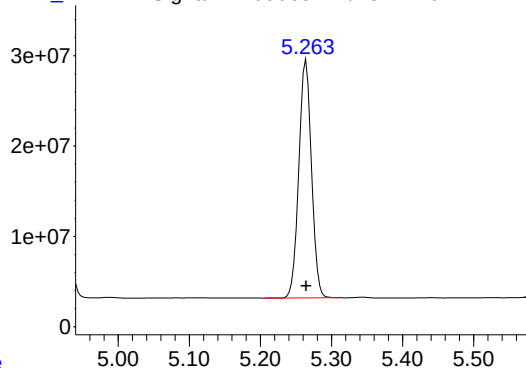
#4 Heptachlor



R.T.: 4.075 min  
Delta R.T.: 0.000 min  
Response: 2161964168  
Conc: 50.00 ng/ml

Time

Response\_ Signal: PD090652.D\ECD1A.ch

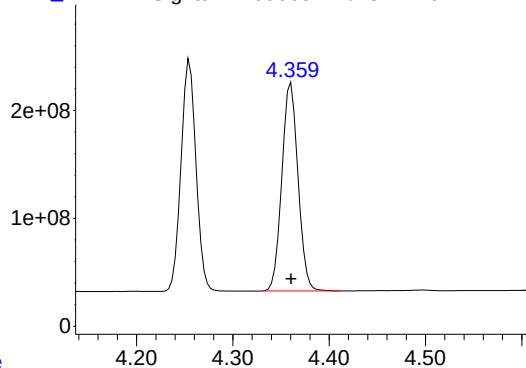


#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 325847234  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050

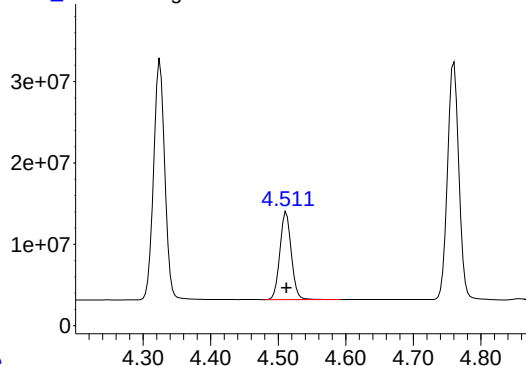
Time Response\_ Signal: PD090652.D\ECD2B.ch



#5 Aldrin

R.T.: 4.361 min  
Delta R.T.: 0.000 min  
Response: 2251688760  
Conc: 50.00 ng/ml

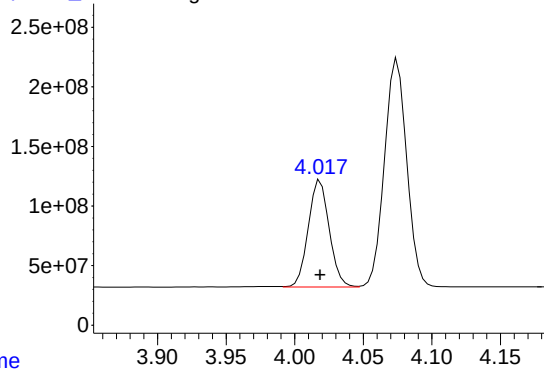
Time Response\_ Signal: PD090652.D\ECD1A.ch



#6 beta-BHC

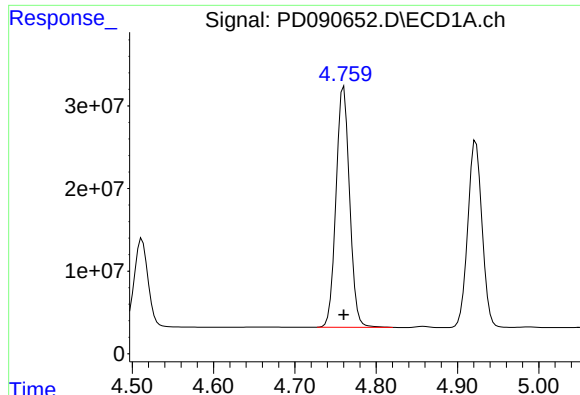
R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 127018373  
Conc: 50.00 ng/ml

Time Response\_ Signal: PD090652.D\ECD2B.ch



#6 beta-BHC

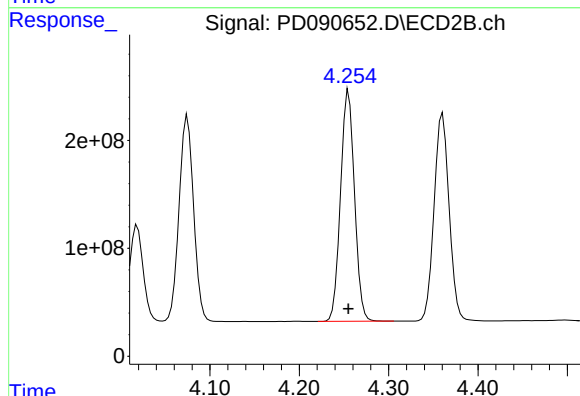
R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 954037739  
Conc: 50.00 ng/ml



#7 delta-BHC

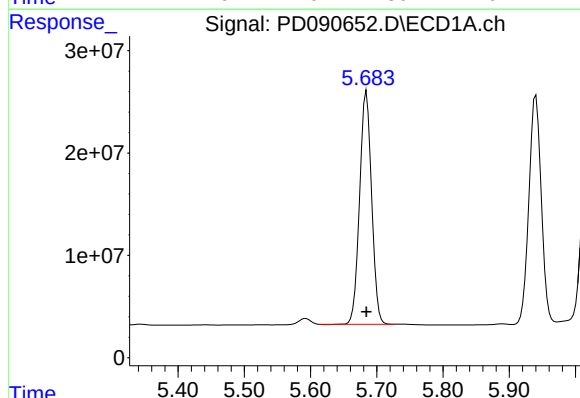
R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 338575319  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



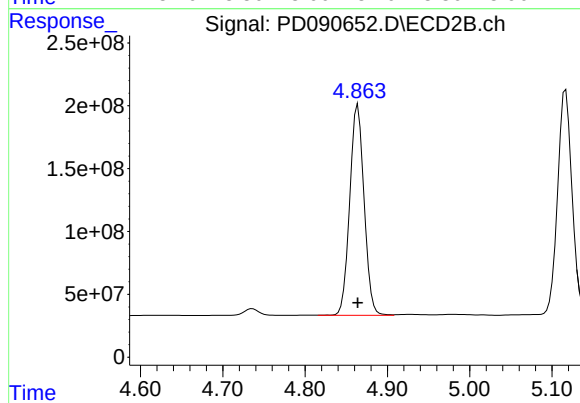
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2323317526  
Conc: 50.00 ng/ml



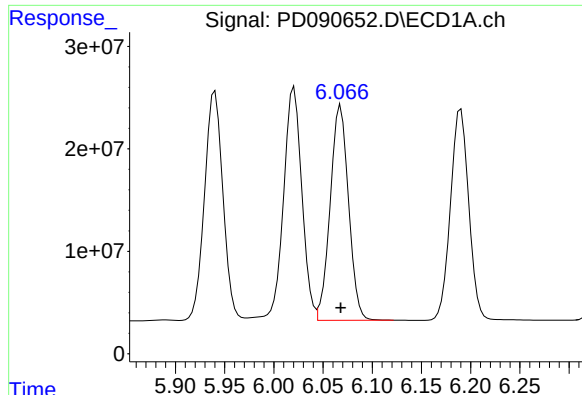
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 285933842  
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

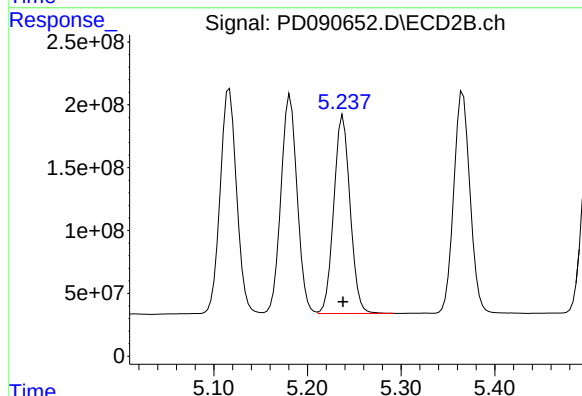
R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 2033647315  
Conc: 50.00 ng/ml



## #9 Endosulfan I

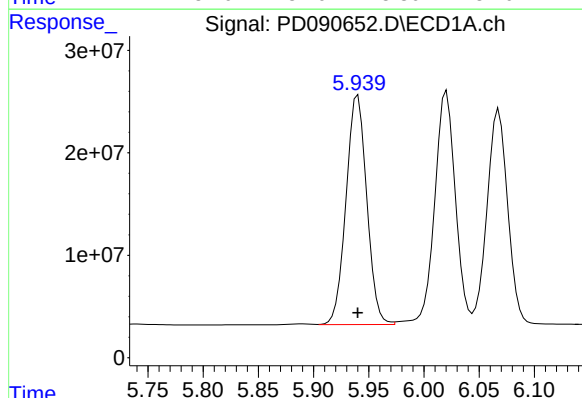
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 272452330  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



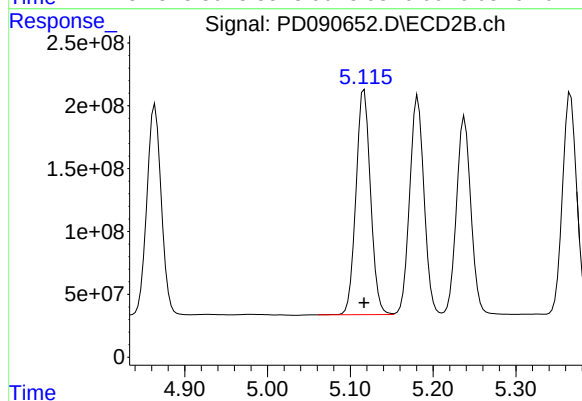
## #9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 1909283878  
Conc: 50.00 ng/ml



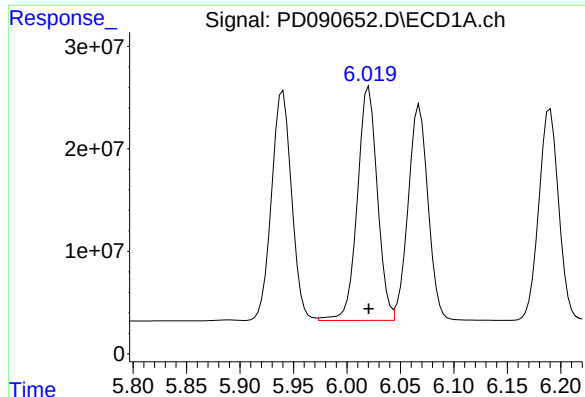
## #10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 292781895  
Conc: 50.00 ng/ml



## #10 gamma-Chlordane

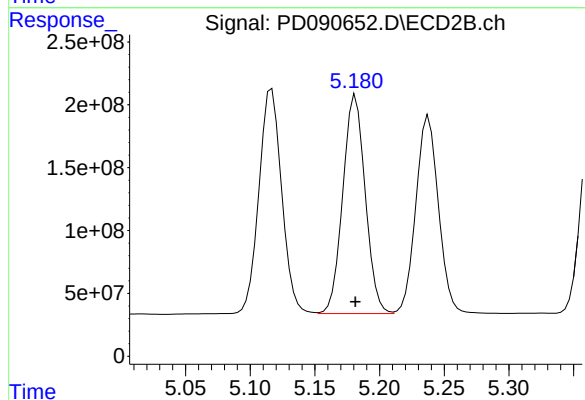
R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 2187405429  
Conc: 50.00 ng/ml



#11 alpha-Chlordane

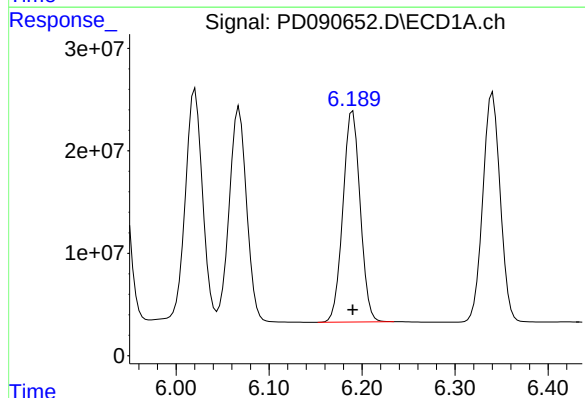
R.T.: 6.021 min  
Delta R.T.: 0.000 min  
Response: 296932529  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



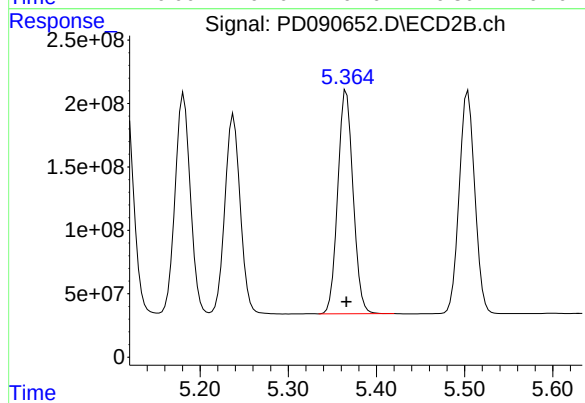
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 2094650466  
Conc: 50.00 ng/ml



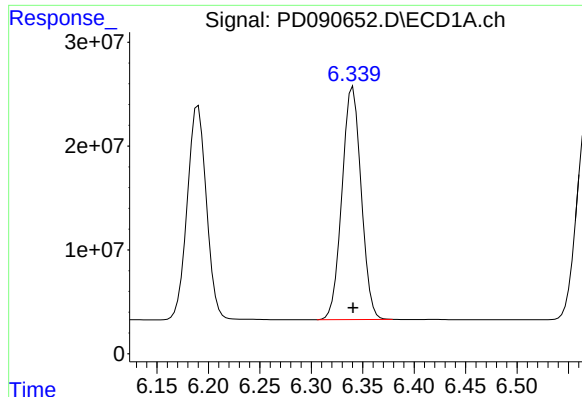
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 265880490  
Conc: 50.00 ng/ml



#12 4,4'-DDE

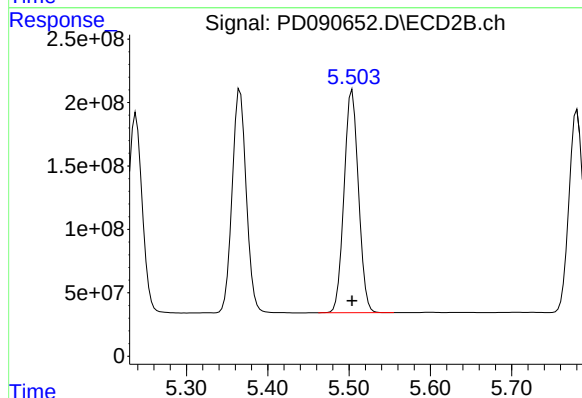
R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 2127431088  
Conc: 50.00 ng/ml



#13 Dieldrin

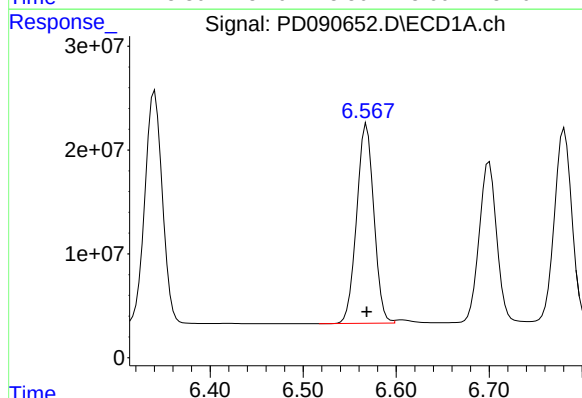
R.T.: 6.340 min  
Delta R.T.: 0.000 min  
Response: 290909064  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



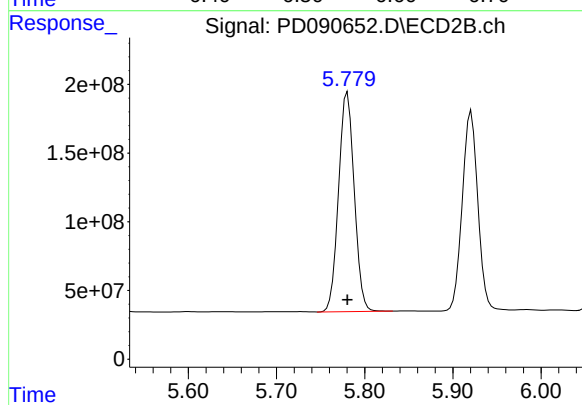
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: 0.000 min  
Response: 2154808119  
Conc: 50.00 ng/ml



#14 Endrin

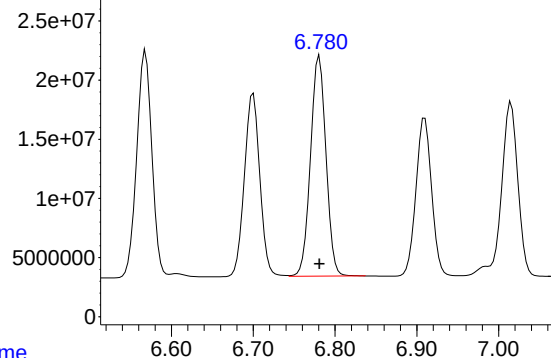
R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 246912451  
Conc: 50.00 ng/ml



#14 Endrin

R.T.: 5.781 min  
Delta R.T.: 0.000 min  
Response: 1970044096  
Conc: 50.00 ng/ml

Response\_ Signal: PD090652.D\ECD1A.ch

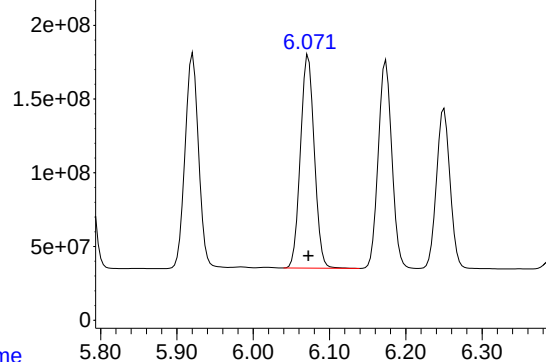


#15 Endosulfan II

R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 244253888  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050

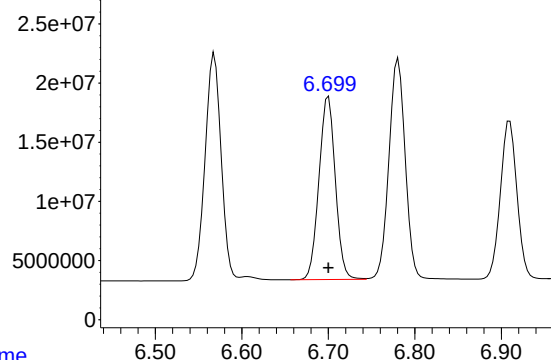
Time Response\_ Signal: PD090652.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 1821608734  
Conc: 50.00 ng/ml

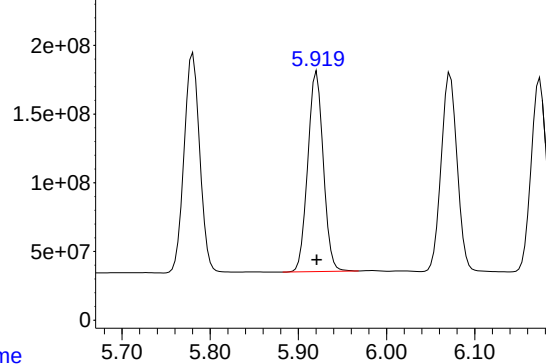
Time Response\_ Signal: PD090652.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 202773551  
Conc: 50.00 ng/ml

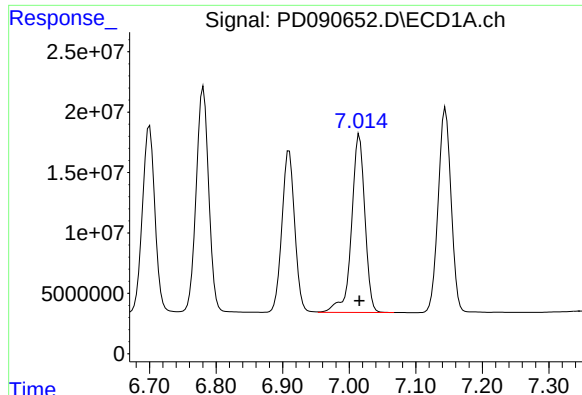
Time Response\_ Signal: PD090652.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.921 min  
Delta R.T.: 0.000 min  
Response: 1778046885  
Conc: 50.00 ng/ml

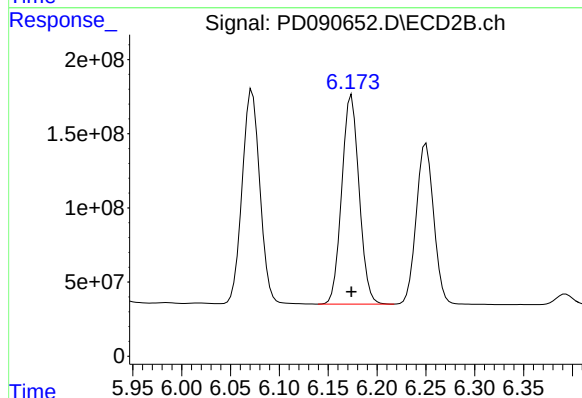




#17 4,4'-DDT

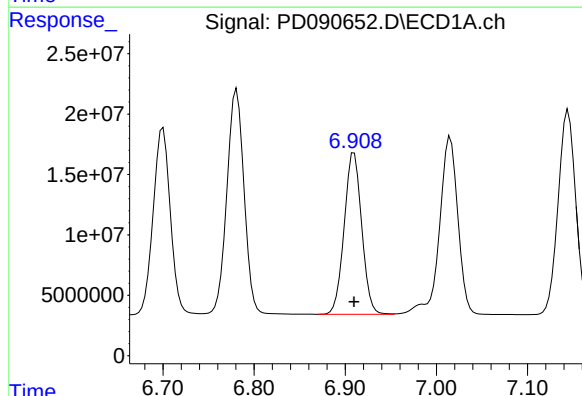
R.T.: 7.015 min  
Delta R.T.: 0.000 min  
Response: 205896645  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



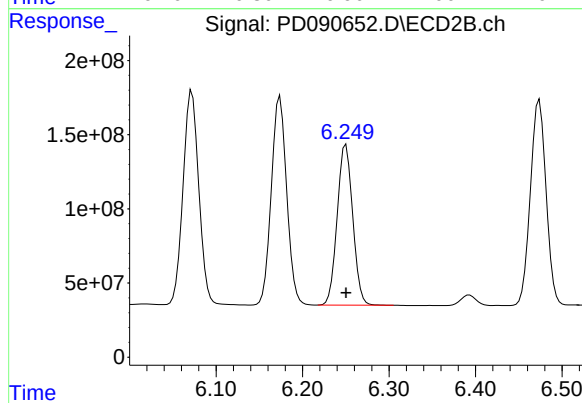
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 1743410018  
Conc: 50.00 ng/ml



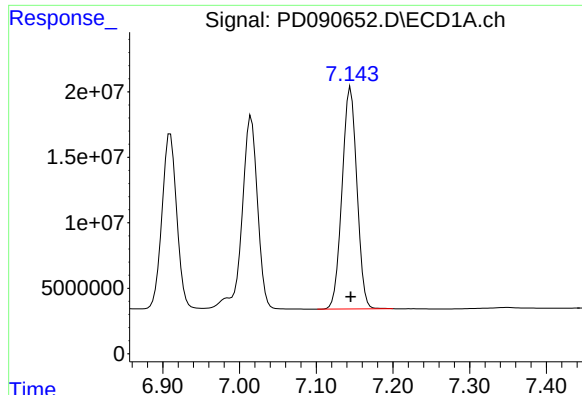
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 178583940  
Conc: 50.00 ng/ml



#18 Endrin aldehyde

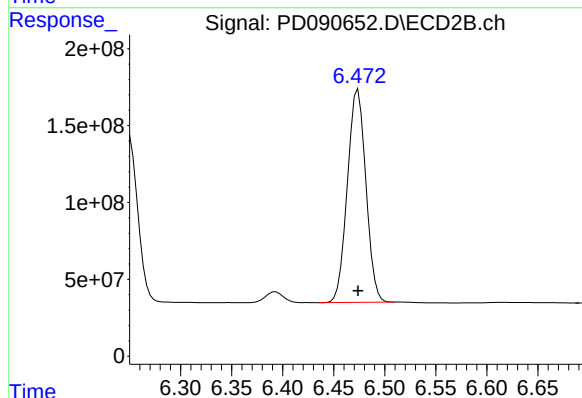
R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1344655981  
Conc: 50.00 ng/ml



## #19 Endosulfan Sulfate

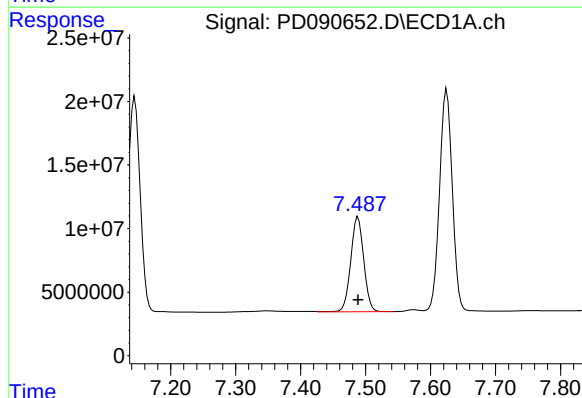
R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 227808376  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



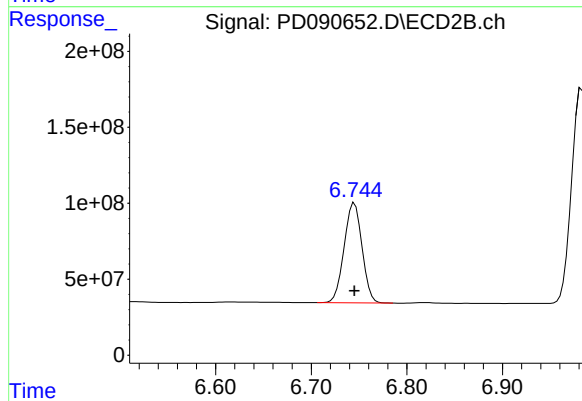
## #19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 1748039260  
Conc: 50.00 ng/ml



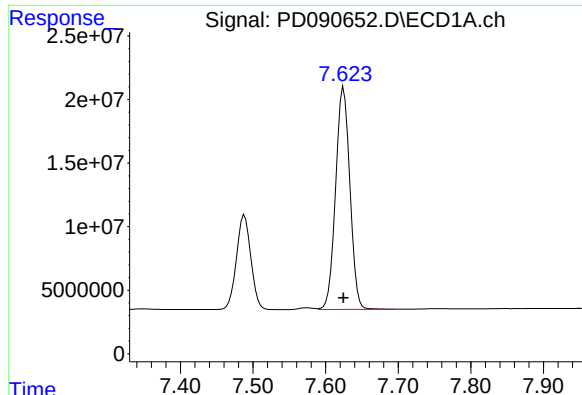
## #20 Methoxychlor

R.T.: 7.488 min  
Delta R.T.: 0.000 min  
Response: 103932037  
Conc: 50.00 ng/ml



## #20 Methoxychlor

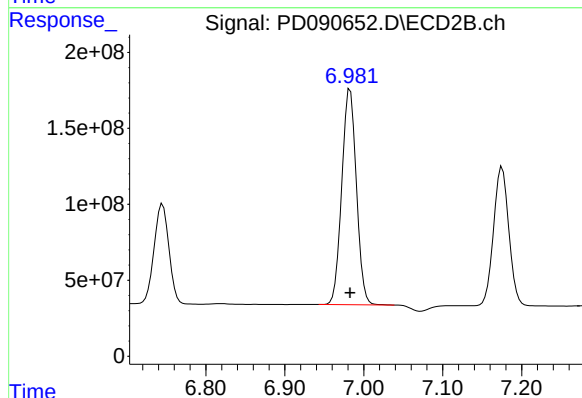
R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 859946427  
Conc: 50.00 ng/ml



#21 Endrin ketone

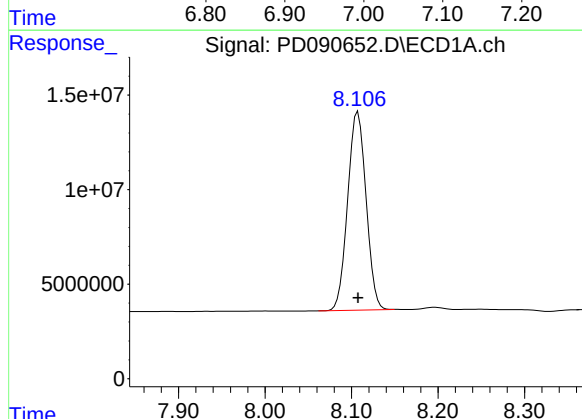
R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 239116023  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050



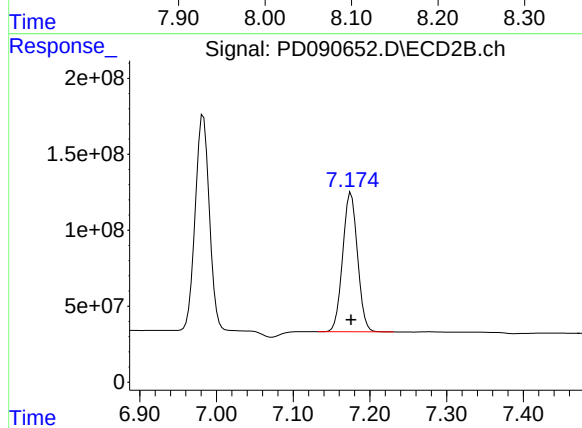
#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 1827533277  
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 8.107 min  
Delta R.T.: 0.000 min  
Response: 154621594  
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 1232028398  
Conc: 50.00 ng/ml

Response\_

Signal: PD090652.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.064 min

Delta R.T.: 0.000 min

Response: 225311337

Conc: 50.00 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PSTDICC050

1.5e+07

1e+07

5000000

0

9.063

+

8.70 8.80 8.90 9.00 9.10 9.20 9.30 9.40

Time

Response\_

Signal: PD090652.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 8.062 min

Delta R.T.: 0.000 min

Response: 1465399343

Conc: 50.00 ng/ml

1.5e+08

1e+08

5e+07

0

8.060

+

7.80 7.90 8.00 8.10 8.20 8.30

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090653.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 12:15  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:38:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 78107465 | 743.2E6  | 25.786 | 26.090 |
| 28)                         | SA Decachlor... | 9.065 | 8.061 | 117.7E6  | 751.4E6  | 26.311 | 25.807 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.386 | 168.6E6  | 1262.5E6 | 23.132 | 25.545 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.722 | 160.4E6  | 1170.2E6 | 23.501 | 25.669 |
| 4)                          | MA Heptachlor   | 4.922 | 4.074 | 132.2E6  | 1112.6E6 | 23.835 | 26.052 |
| 5)                          | MB Aldrin       | 5.263 | 4.360 | 156.0E6  | 1154.3E6 | 23.982 | 25.959 |
| 6)                          | B beta-BHC      | 4.511 | 4.018 | 64015475 | 495.1E6  | 25.339 | 26.214 |
| 7)                          | B delta-BHC     | 4.759 | 4.255 | 158.6E6  | 1178.9E6 | 23.327 | 25.605 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 139.6E6  | 1059.4E6 | 24.488 | 26.460 |
| 9)                          | A Endosulfan I  | 6.067 | 5.238 | 133.7E6  | 987.0E6  | 24.700 | 26.323 |
| 10)                         | B gamma-Chl...  | 5.939 | 5.116 | 139.8E6  | 1108.7E6 | 23.988 | 25.717 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.181 | 154.3E6  | 1067.7E6 | 25.731 | 25.860 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.365 | 126.3E6  | 1089.4E6 | 23.861 | 25.967 |
| 13)                         | MA Dieldrin     | 6.340 | 5.503 | 138.8E6  | 1105.1E6 | 23.985 | 26.105 |
| 14)                         | MA Endrin       | 6.567 | 5.780 | 117.8E6  | 1017.3E6 | 23.978 | 26.284 |
| 15)                         | B Endosulfa...  | 6.781 | 6.071 | 119.7E6  | 938.0E6  | 24.710 | 26.203 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.920 | 96019034 | 905.9E6  | 23.822 | 25.918 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.173 | 98197092 | 874.0E6  | 23.870 | 25.388 |
| 18)                         | B Endrin al...  | 6.909 | 6.250 | 89492653 | 694.2E6  | 25.271 | 26.317 |
| 19)                         | B Endosulfa...  | 7.144 | 6.473 | 112.0E6  | 896.5E6  | 24.754 | 26.114 |
| 20)                         | A Methoxychlor  | 7.488 | 6.744 | 52364279 | 443.4E6  | 25.424 | 26.326 |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 117.4E6  | 945.4E6  | 24.668 | 26.289 |
| 22)                         | Mirex           | 8.108 | 7.175 | 79715192 | 640.8E6  | 26.131 | 26.336 |
| -----                       |                 |       |       |          |          |        |        |

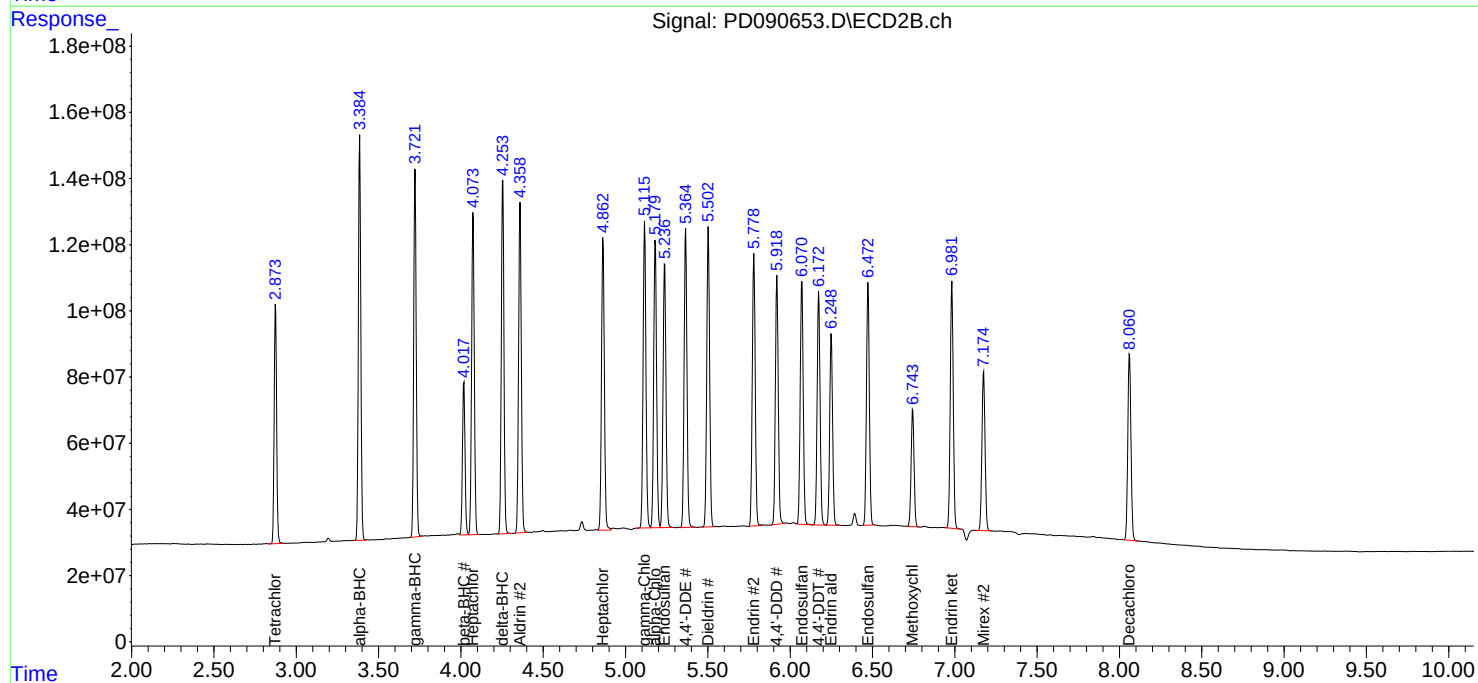
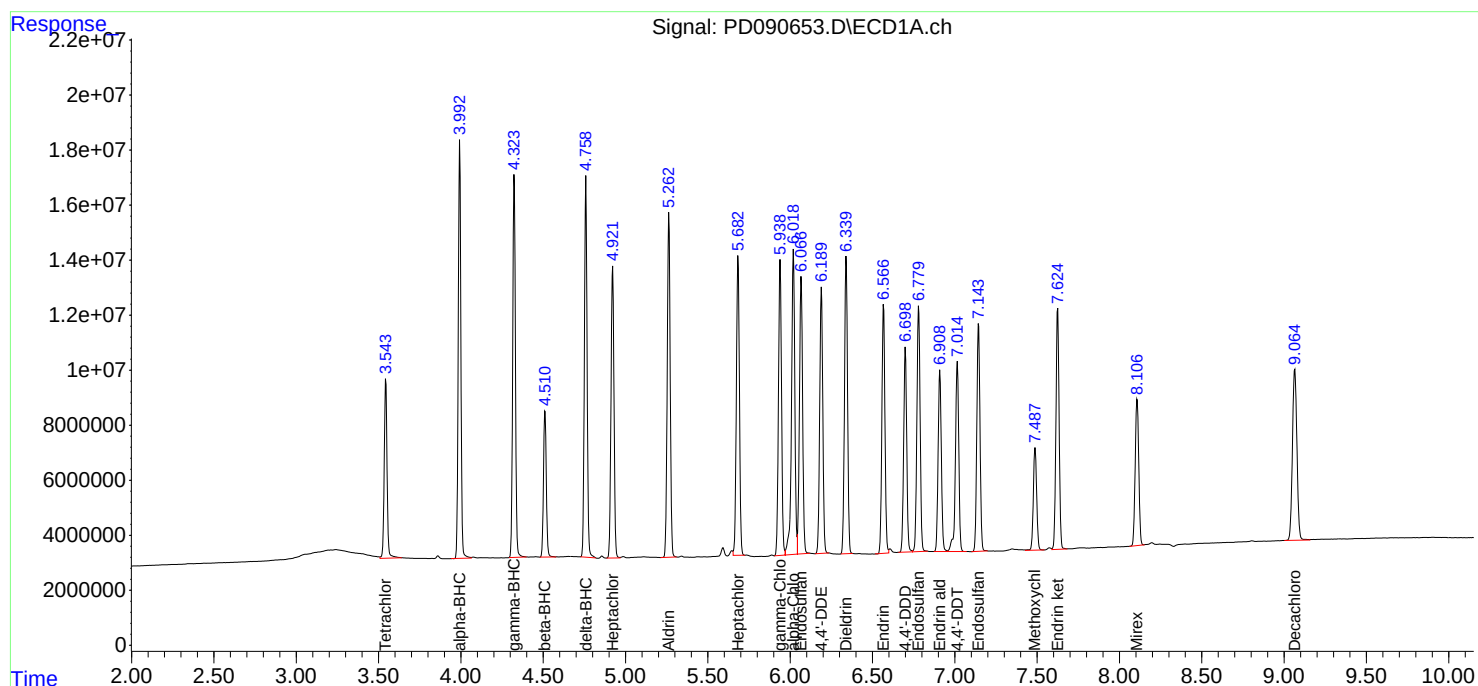
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090653.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 12:15  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

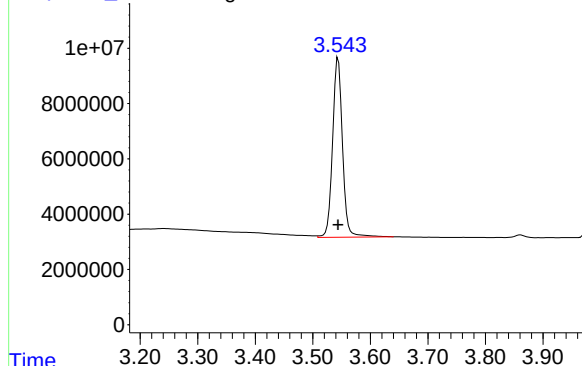
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:38:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm



Response\_ Signal: PD090653.D\ECD1A.ch

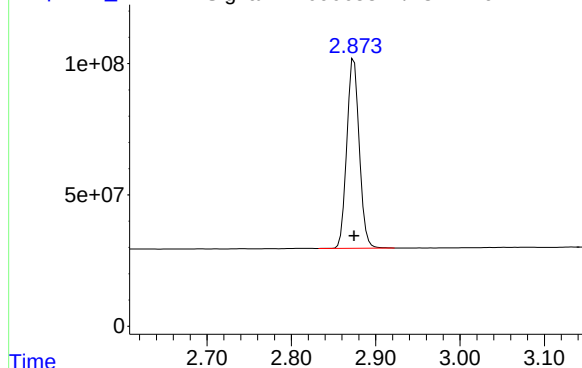


#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 78107465  
Conc: 25.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

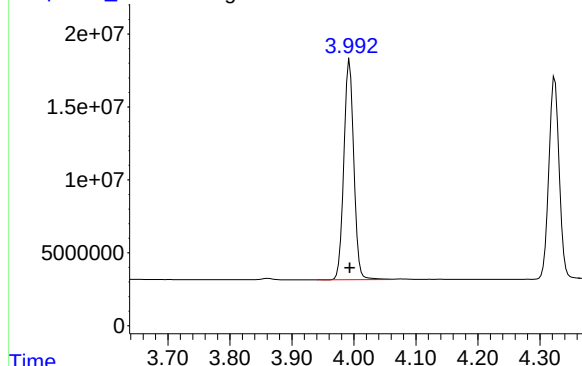
Response\_ Signal: PD090653.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 743162855  
Conc: 26.09 ng/ml

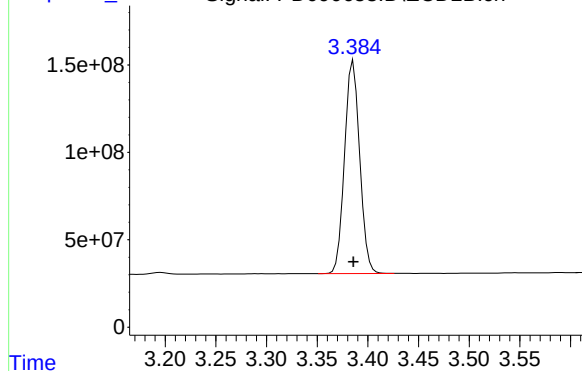
Response\_ Signal: PD090653.D\ECD1A.ch



#2 alpha-BHC

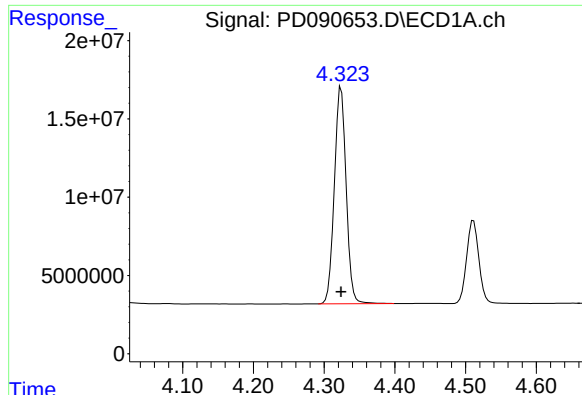
R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 168576733  
Conc: 23.13 ng/ml

Response\_ Signal: PD090653.D\ECD2B.ch



#2 alpha-BHC

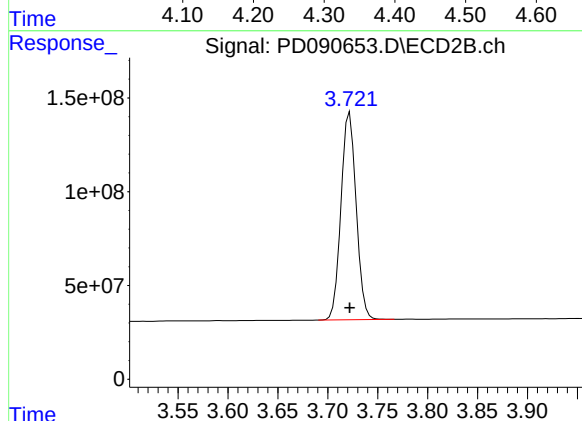
R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 1262506307  
Conc: 25.54 ng/ml



#3 gamma-BHC (Lindane)

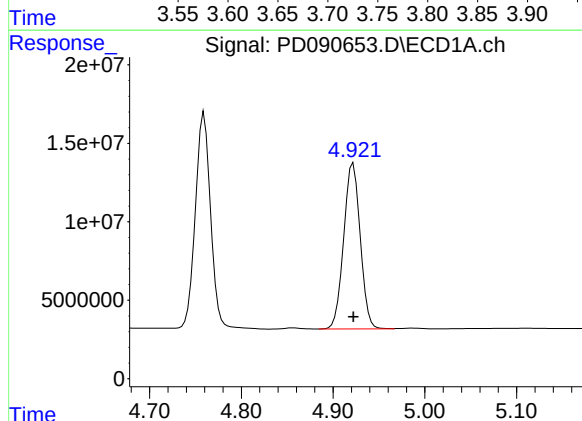
R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 160449432  
Conc: 23.50 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025



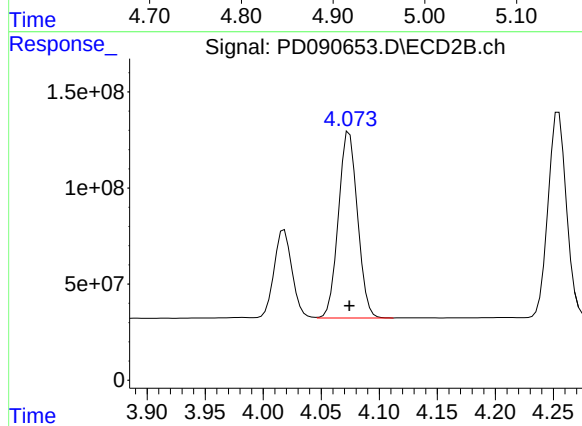
#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: 0.000 min  
Response: 1170208039  
Conc: 25.67 ng/ml



#4 Heptachlor

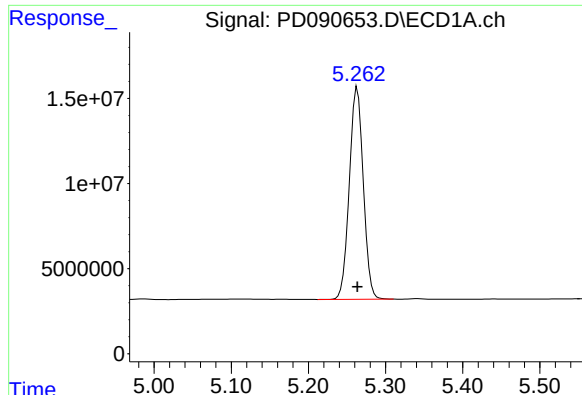
R.T.: 4.922 min  
Delta R.T.: 0.000 min  
Response: 132221469  
Conc: 23.83 ng/ml



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: 0.000 min  
Response: 1112572417  
Conc: 26.05 ng/ml

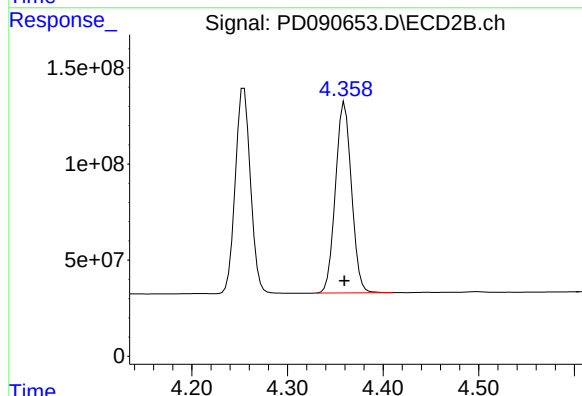




#5 Aldrin

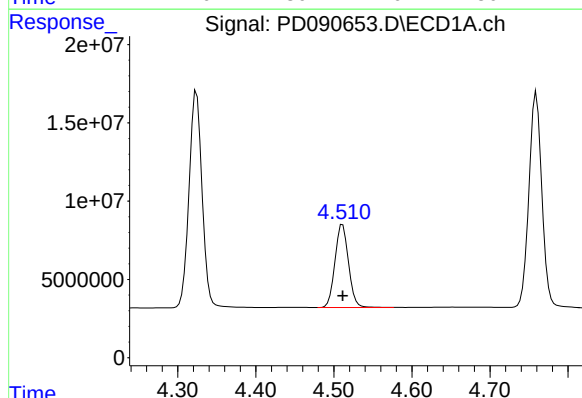
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 155953472  
Conc: 23.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025



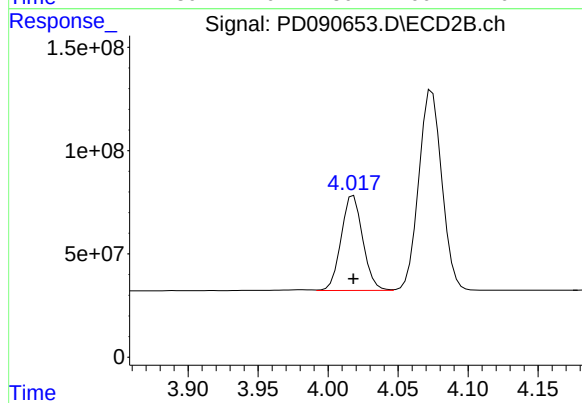
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 1154309416  
Conc: 25.96 ng/ml



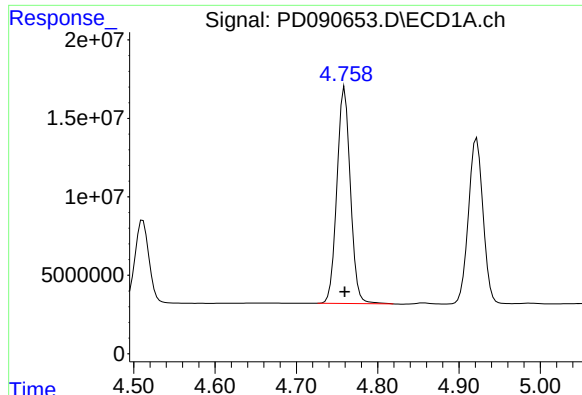
#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: 0.000 min  
Response: 64015475  
Conc: 25.34 ng/ml



#6 beta-BHC

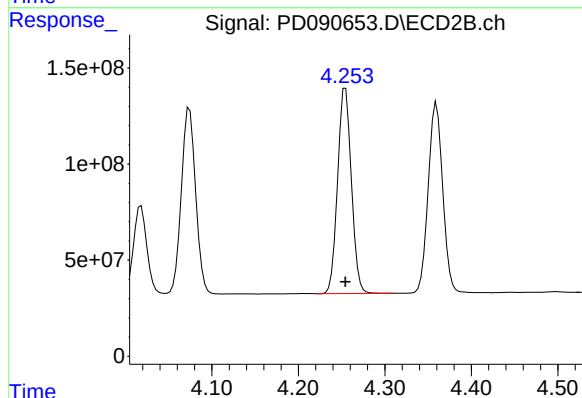
R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 495101315  
Conc: 26.21 ng/ml



#7 delta-BHC

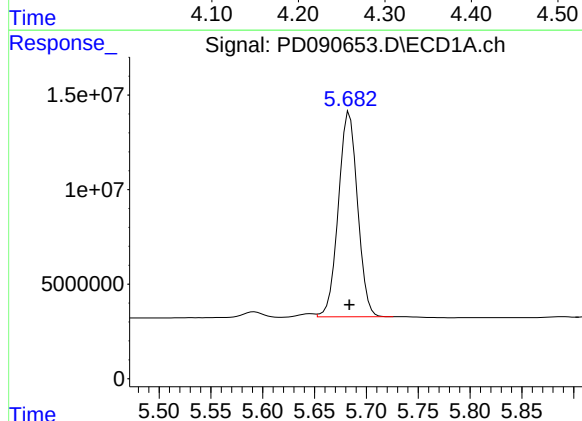
R.T.: 4.759 min  
Delta R.T.: 0.000 min  
Response: 158561347  
Conc: 23.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025



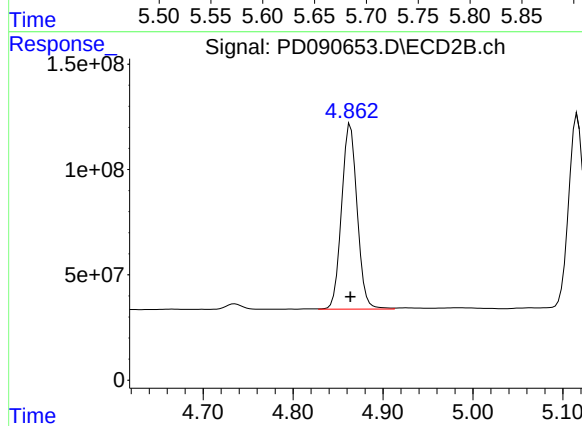
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 1178894488  
Conc: 25.60 ng/ml



#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 139624515  
Conc: 24.49 ng/ml



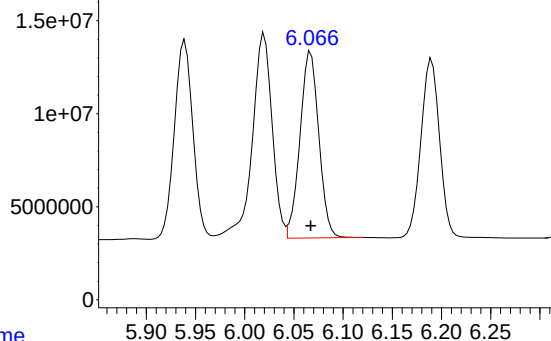
#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 1059359842  
Conc: 26.46 ng/ml

Response\_

Signal: PD090653.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.067 min  
Delta R.T.: 0.000 min  
Response: 133716398  
Conc: 24.70 ng/ml

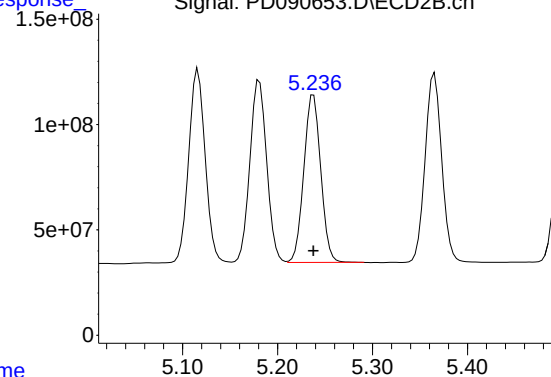
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

Time

Response

Signal: PD090653.D\ECD2B.ch

#9 Endosulfan I



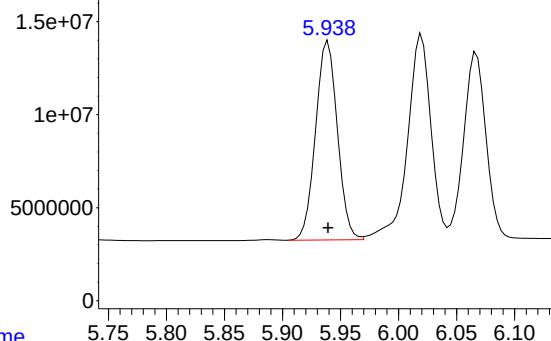
R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 986966005  
Conc: 26.32 ng/ml

Time

Response\_

Signal: PD090653.D\ECD1A.ch

#10 gamma-Chlordane



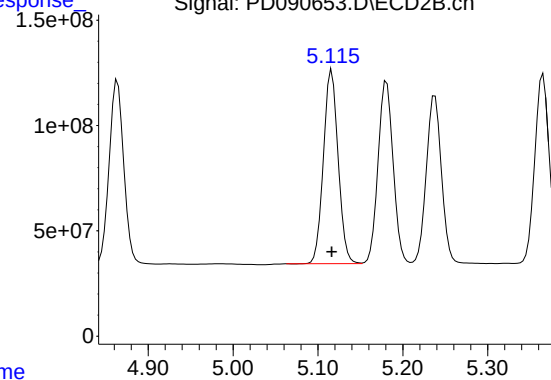
R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 139816717  
Conc: 23.99 ng/ml

Time

Response

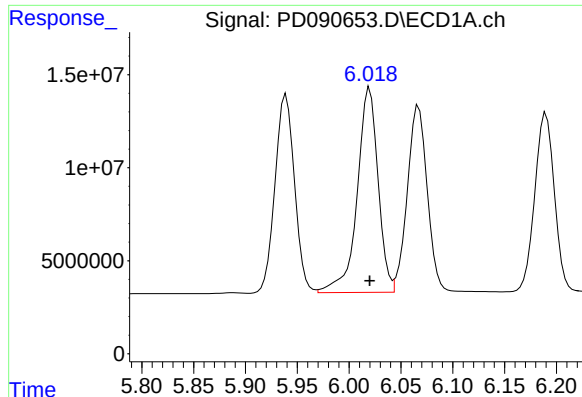
Signal: PD090653.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.116 min  
Delta R.T.: 0.000 min  
Response: 1108664102  
Conc: 25.72 ng/ml

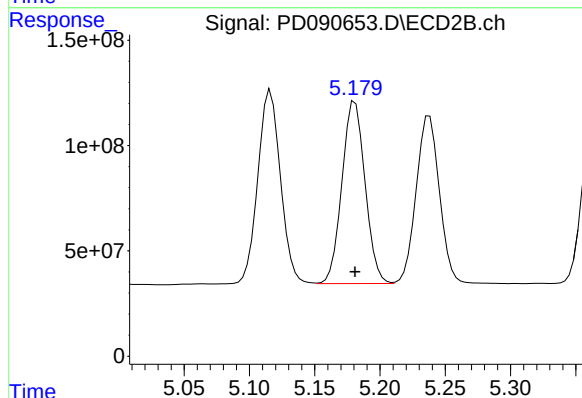
Time



#11 alpha-Chlordane

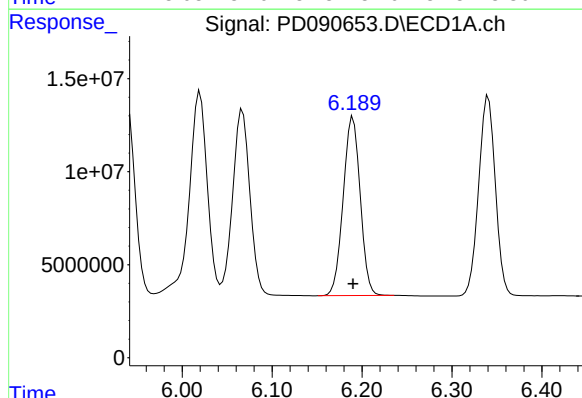
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 154261488  
Conc: 25.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025



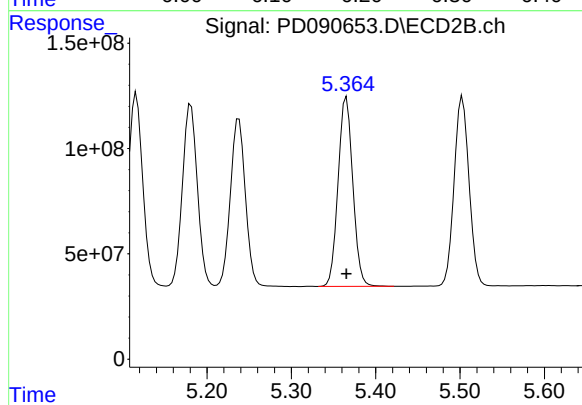
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 1067721561  
Conc: 25.86 ng/ml



#12 4,4'-DDE

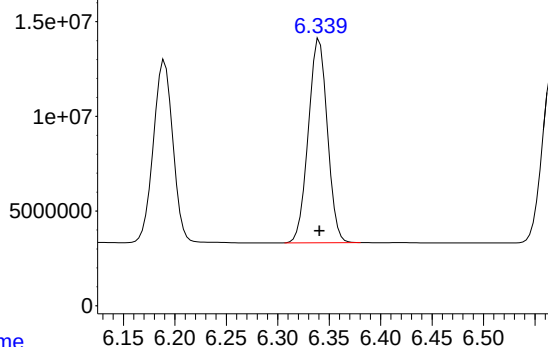
R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 126326499  
Conc: 23.86 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min  
Delta R.T.: 0.000 min  
Response: 1089429298  
Conc: 25.97 ng/ml

Response\_ Signal: PD090653.D\ECD1A.ch

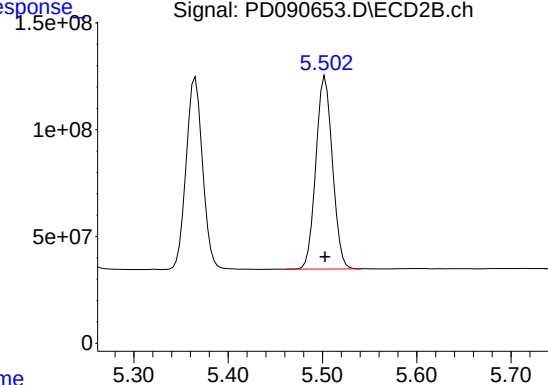


#13 Dieldrin

R.T.: 6.340 min  
Delta R.T.: 0.000 min  
Response: 138758150  
Conc: 23.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

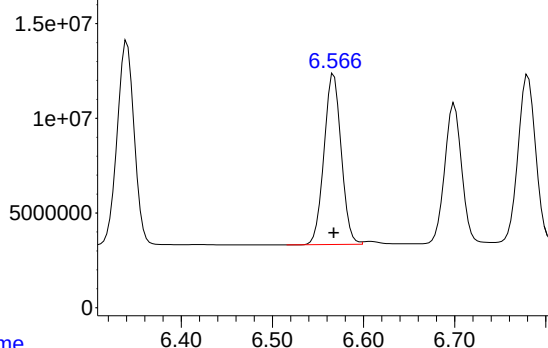
Time Response\_ Signal: PD090653.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: 0.000 min  
Response: 1105079839  
Conc: 26.11 ng/ml

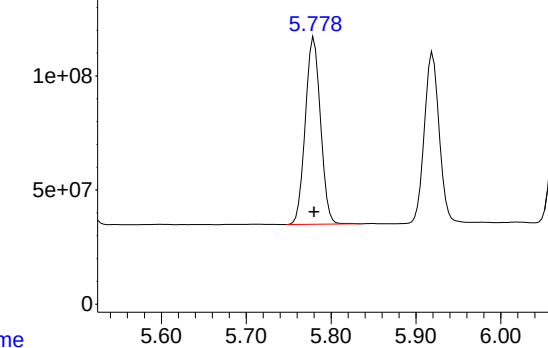
Time Response\_ Signal: PD090653.D\ECD1A.ch



#14 Endrin

R.T.: 6.567 min  
Delta R.T.: 0.000 min  
Response: 117779573  
Conc: 23.98 ng/ml

Time Response\_ Signal: PD090653.D\ECD2B.ch



#14 Endrin

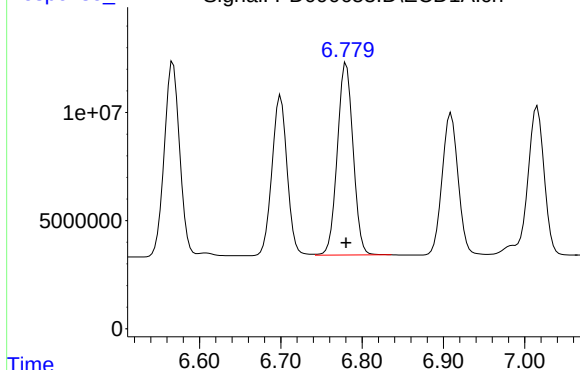
R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 1017324913  
Conc: 26.28 ng/ml

Response\_

Signal: PD090653.D\ECD1A.ch

#15 Endosulfan II

ICAL Form



R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 119743666  
Conc: 24.71 ng/ml

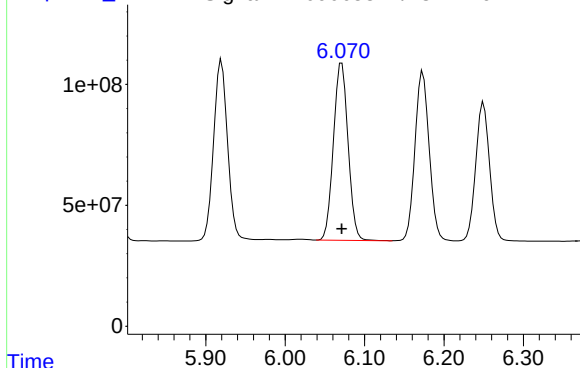
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

Time

Response\_

Signal: PD090653.D\ECD2B.ch

#15 Endosulfan II



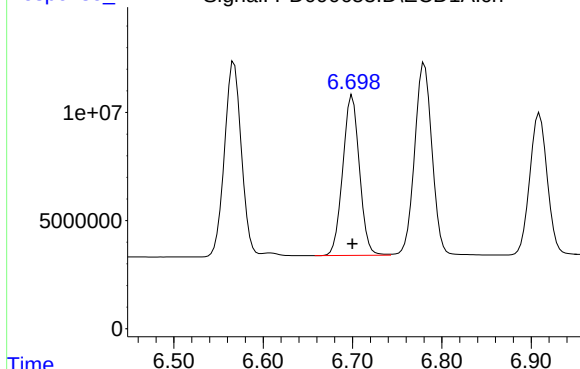
R.T.: 6.071 min  
Delta R.T.: 0.000 min  
Response: 938003929  
Conc: 26.20 ng/ml

Time

Response\_

Signal: PD090653.D\ECD1A.ch

#16 4,4'-DDD



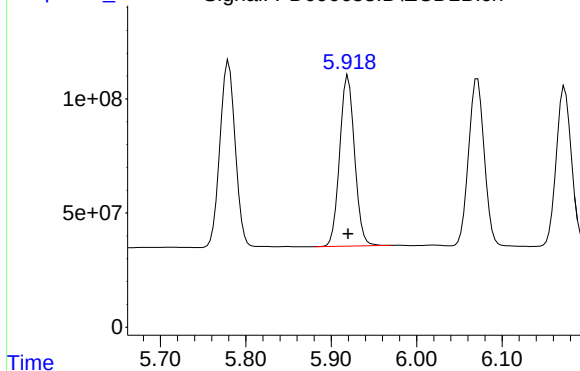
R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 96019034  
Conc: 23.82 ng/ml

Time

Response\_

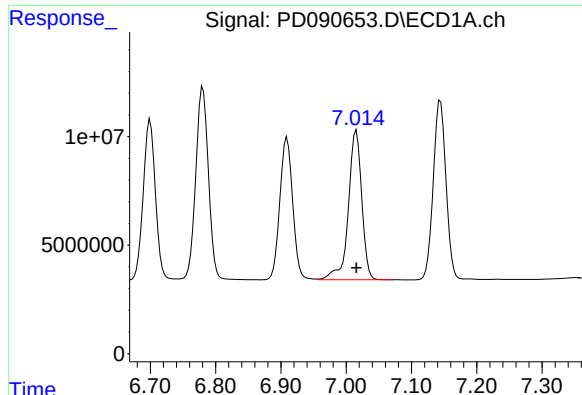
Signal: PD090653.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.920 min  
Delta R.T.: 0.000 min  
Response: 905938376  
Conc: 25.92 ng/ml

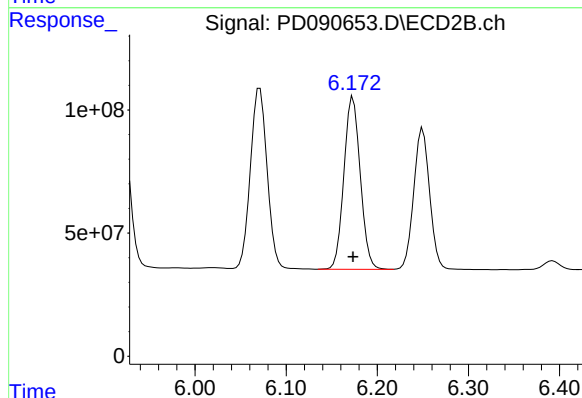
Time



#17 4,4'-DDT

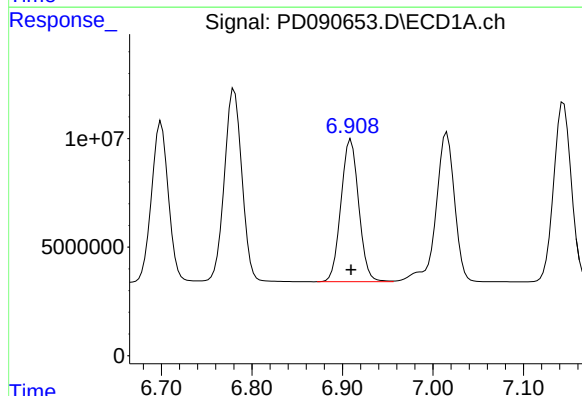
R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 98197092  
Conc: 23.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025



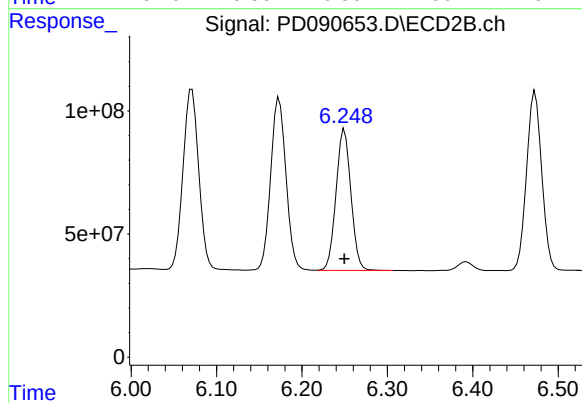
#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: 0.000 min  
Response: 873976959  
Conc: 25.39 ng/ml



#18 Endrin aldehyde

R.T.: 6.909 min  
Delta R.T.: 0.000 min  
Response: 89492653  
Conc: 25.27 ng/ml



#18 Endrin aldehyde

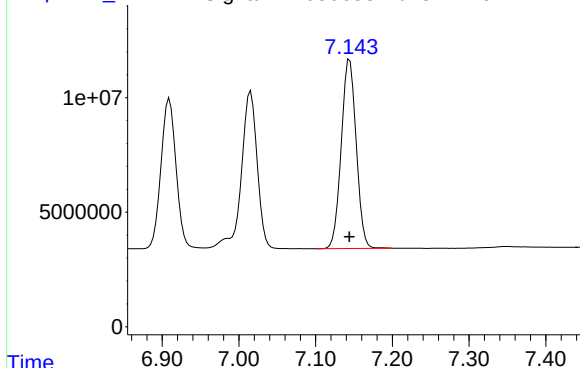
R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 694183960  
Conc: 26.32 ng/ml

Response\_

Signal: PD090653.D\ECD1A.ch

#19 Endosulfan Sulfate

ICAL Form



R.T.: 7.144 min  
Delta R.T.: 0.000 min  
Response: 111999004  
Conc: 24.75 ng/ml

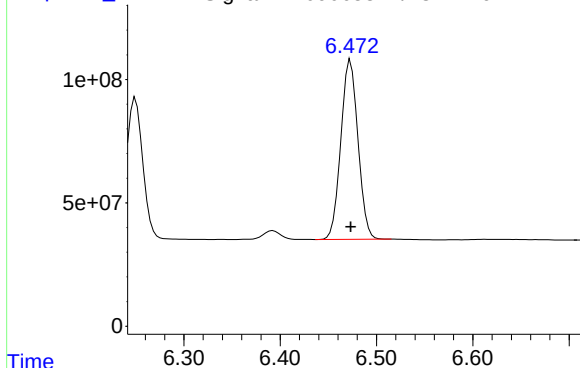
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

Time

Response\_

Signal: PD090653.D\ECD2B.ch

#19 Endosulfan Sulfate



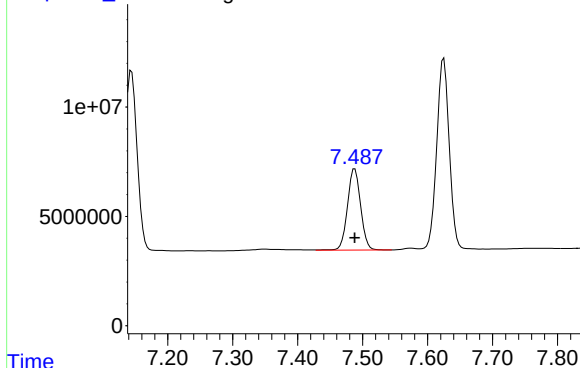
R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 896525775  
Conc: 26.11 ng/ml

Time

Response\_

Signal: PD090653.D\ECD1A.ch

#20 Methoxychlor



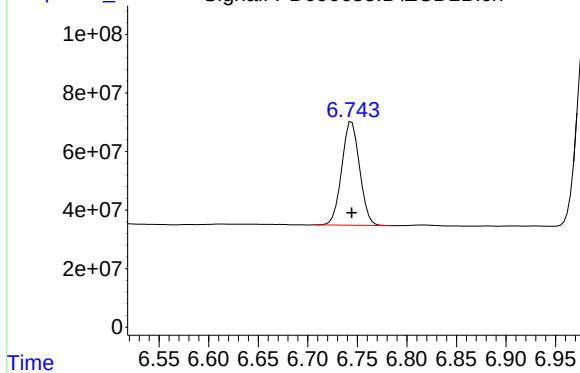
R.T.: 7.488 min  
Delta R.T.: 0.000 min  
Response: 52364279  
Conc: 25.42 ng/ml

Time

Response\_

Signal: PD090653.D\ECD2B.ch

#20 Methoxychlor

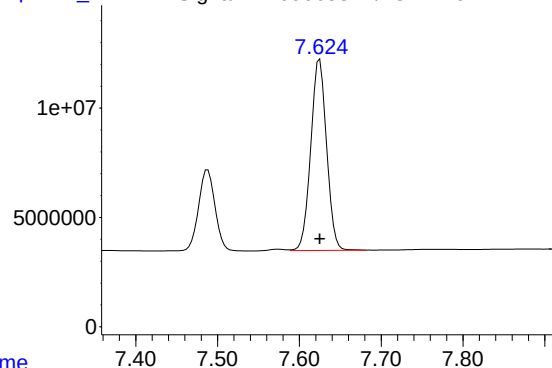


R.T.: 6.744 min  
Delta R.T.: 0.000 min  
Response: 443376884  
Conc: 26.33 ng/ml

Time



Response\_ Signal: PD090653.D\ECD1A.ch

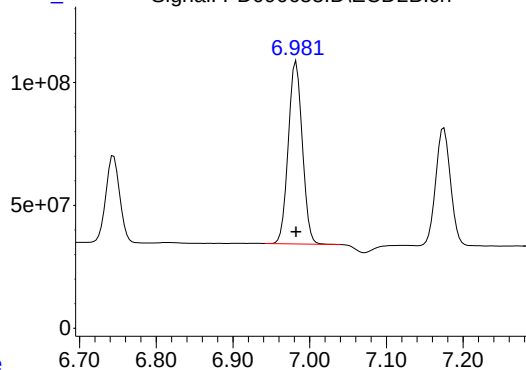


#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 117381168  
Conc: 24.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

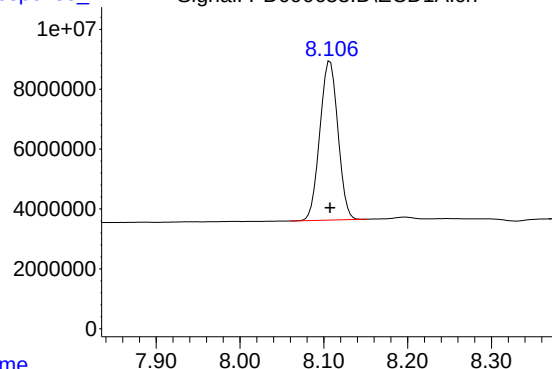
Time Response\_ Signal: PD090653.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: 0.000 min  
Response: 945417829  
Conc: 26.29 ng/ml

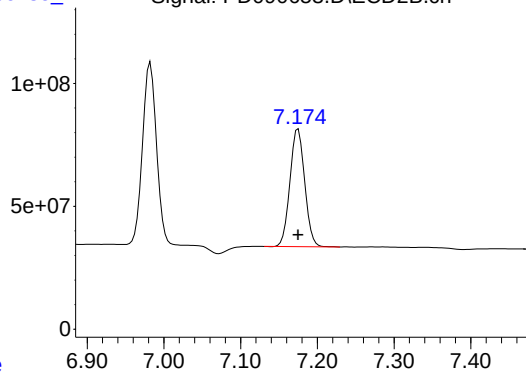
Time Response\_ Signal: PD090653.D\ECD1A.ch



#22 Mirex

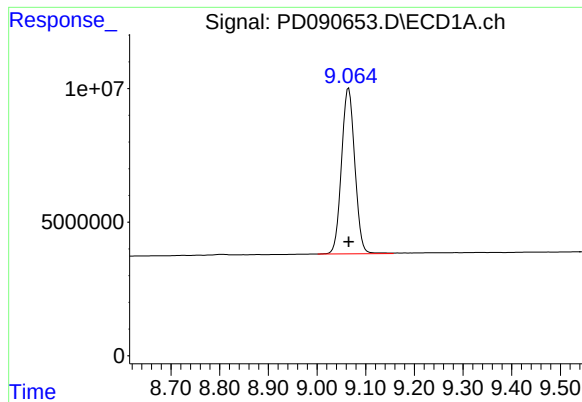
R.T.: 8.108 min  
Delta R.T.: 0.000 min  
Response: 79715192  
Conc: 26.13 ng/ml

Time Response\_ Signal: PD090653.D\ECD2B.ch



#22 Mirex

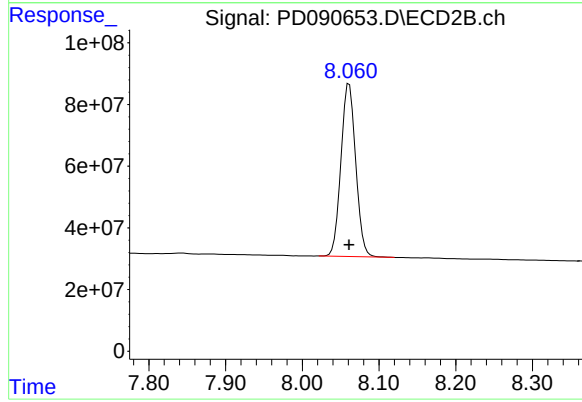
R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 640790883  
Conc: 26.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min  
Delta R.T.: 0.000 min  
Response: 117676418  
Conc: 26.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 751430638  
Conc: 25.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090654.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 12:28  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:41:41 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml |
|-----------------------------|-------|-------|----------|----------|--------|-------|
| -----                       |       |       |          |          |        |       |
| System Monitoring Compounds |       |       |          |          |        |       |
| 1) SA Tetrachlo...          | 3.543 | 2.874 | 17271955 | 174.7E6  | 5.550m | 5.868 |
| 28) SA Decachlor...         | 9.066 | 8.062 | 27500355 | 174.9E6  | 5.879  | 5.775 |
| Target Compounds            |       |       |          |          |        |       |
| 2) A alpha-BHC              | 3.993 | 3.386 | 33677596 | 288.9E6  | 4.692  | 5.655 |
| 3) MA gamma-BHC...          | 4.324 | 3.723 | 33423739 | 269.5E6  | 4.916  | 5.703 |
| 4) MA Heptachlor            | 4.922 | 4.075 | 28789856 | 260.9E6  | 5.151  | 5.850 |
| 5) MB Aldrin                | 5.264 | 4.360 | 33624118 | 268.6E6  | 5.136  | 5.800 |
| 6) B beta-BHC               | 4.512 | 4.019 | 14963256 | 118.0E6  | 5.712  | 5.951 |
| 7) B delta-BHC              | 4.760 | 4.255 | 33098385 | 272.1E6  | 4.895  | 5.702 |
| 8) B Heptachlo...           | 5.684 | 4.864 | 30689599 | 265.3E6  | 5.301  | 6.280 |
| 9) A Endosulfan I           | 6.067 | 5.238 | 30143871 | 234.9E6  | 5.444  | 5.962 |
| 10) B gamma-Chl...          | 5.940 | 5.117 | 31705442 | 261.5E6  | 5.346  | 5.818 |
| 11) B alpha-Chl...          | 6.019 | 5.181 | 34603140 | 252.7E6  | 5.576m | 5.857 |
| 12) B 4,4'-DDE              | 6.190 | 5.366 | 27280775 | 256.9E6  | 5.122  | 5.859 |
| 13) MA Dieldrin             | 6.341 | 5.504 | 30082015 | 258.0E6  | 5.159  | 5.839 |
| 14) MA Endrin               | 6.568 | 5.781 | 25601278 | 238.2E6  | 5.168  | 5.883 |
| 15) B Endosulfa...          | 6.781 | 6.072 | 28078989 | 222.9E6  | 5.616  | 5.936 |
| 16) A 4,4'-DDD              | 6.700 | 5.921 | 20742842 | 211.9E6  | 5.116  | 5.814 |
| 17) MA 4,4'-DDT             | 7.016 | 6.175 | 20485670 | 188.3E6  | 4.984  | 5.370 |
| 18) B Endrin al...          | 6.910 | 6.250 | 20741409 | 164.8E6  | 5.663  | 5.950 |
| 19) B Endosulfa...          | 7.144 | 6.474 | 25464611 | 209.5E6  | 5.490  | 5.845 |
| 20) A Methoxychlor          | 7.489 | 6.745 | 11946535 | 98858490 | 5.620  | 5.672 |
| 21) B Endrin ke...          | 7.624 | 6.983 | 26302012 | 223.7E6  | 5.414m | 5.931 |
| 22) Mirex                   | 8.108 | 7.175 | 19009608 | 155.6E6  | 5.939  | 6.058 |
| -----                       |       |       |          |          |        |       |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090654.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 12:28  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDICC005

## Manual Integrations

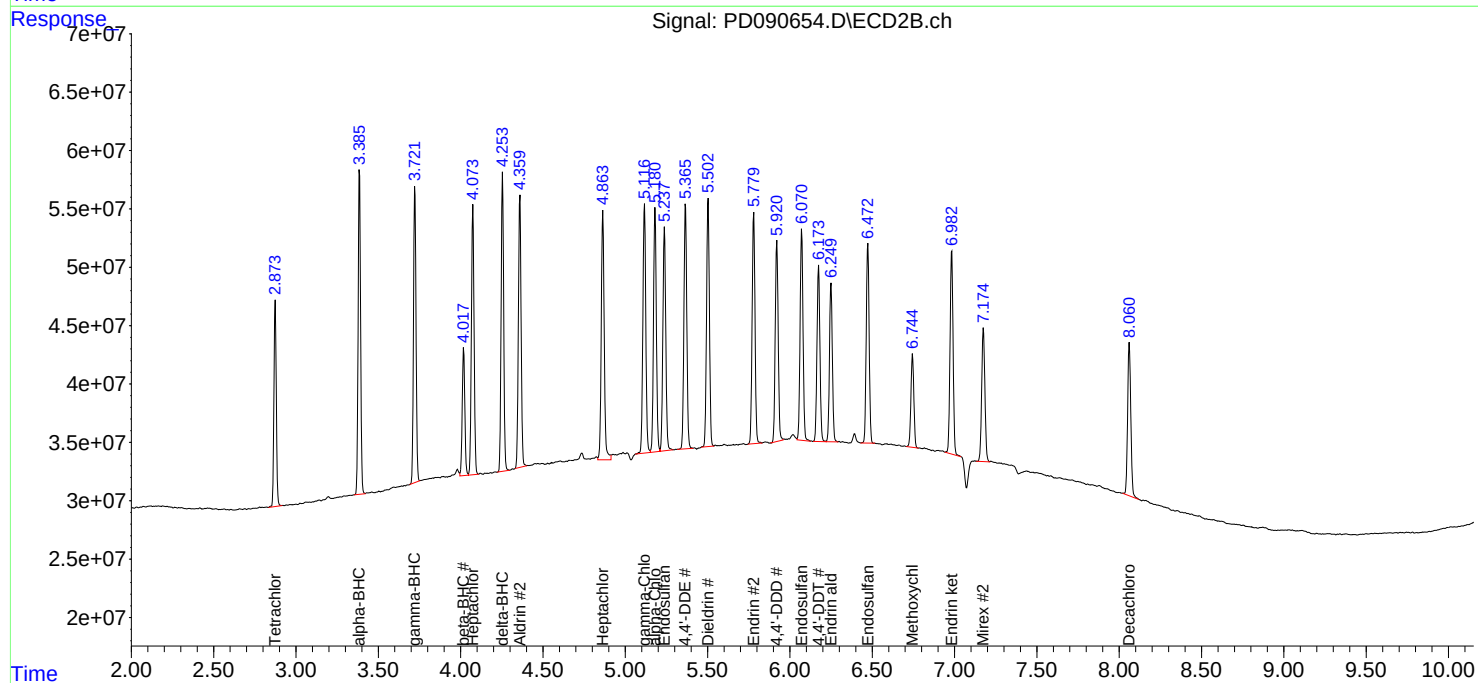
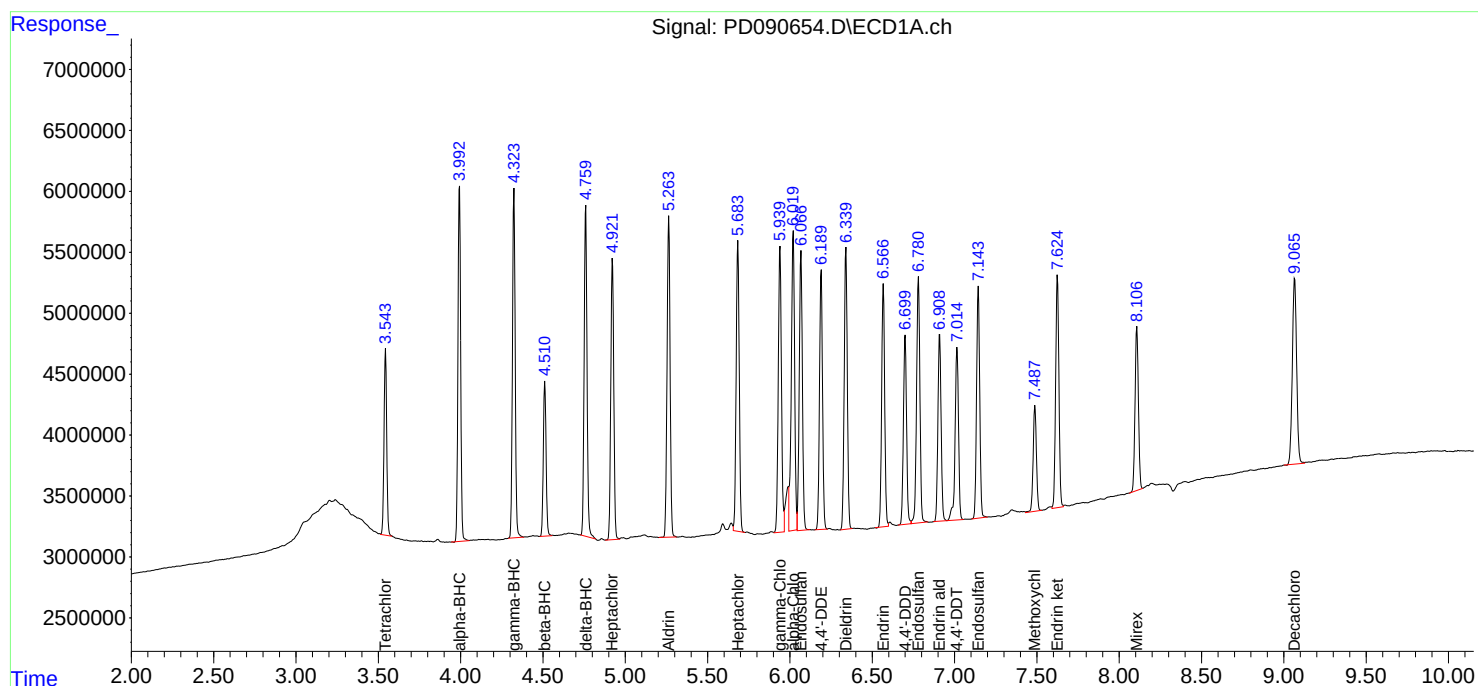
## APPROVED

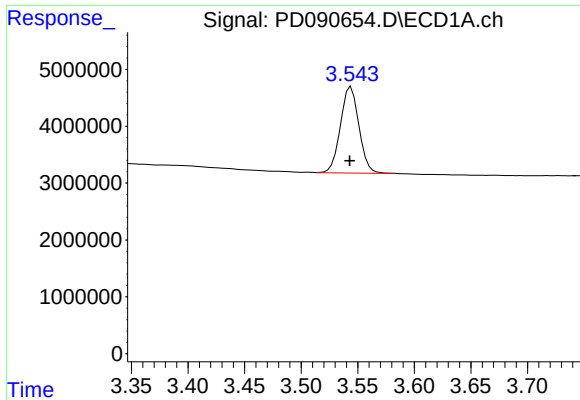
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:41:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 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 x 0.25µm





#1 Tetrachloro-m-xylene

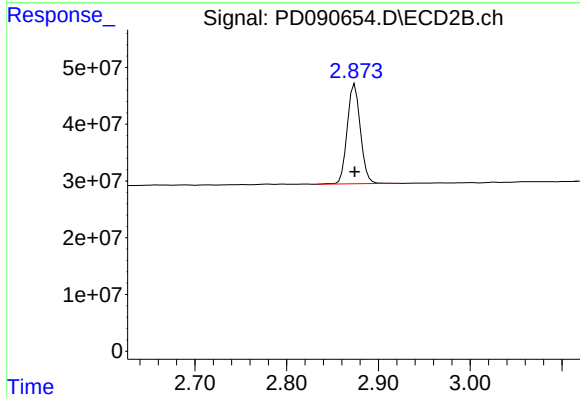
R.T.: 3.543 min  
Delta R.T.: 0.000 min  
Response: 17271955  
Conc: 5.55 ng/ml

ICAL Form

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

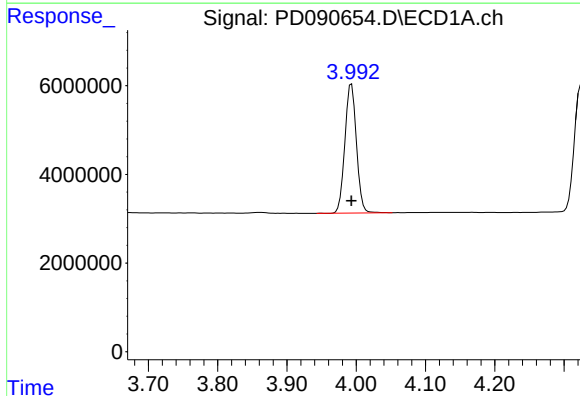
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



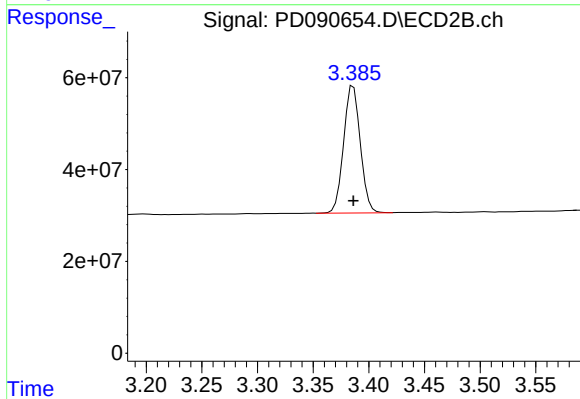
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 174747032  
Conc: 5.87 ng/ml



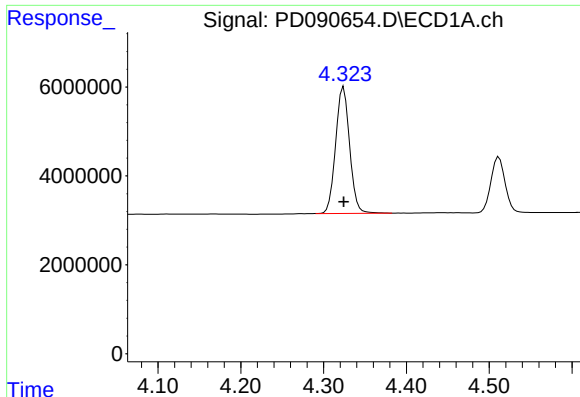
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 33677596  
Conc: 4.69 ng/ml



#2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 288924308  
Conc: 5.65 ng/ml



#3 gamma-BHC (Lindane)

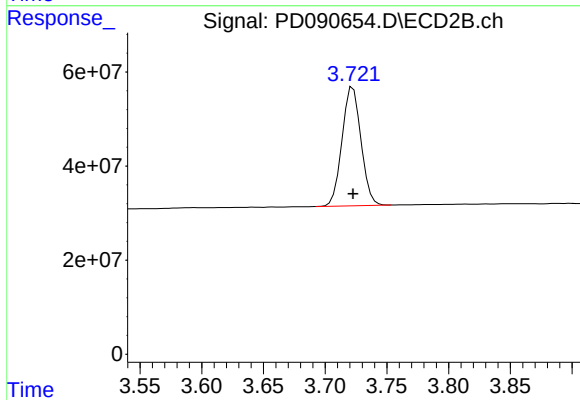
R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 33423739  
Conc: 4.92 ng/ml

ICAL Form

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

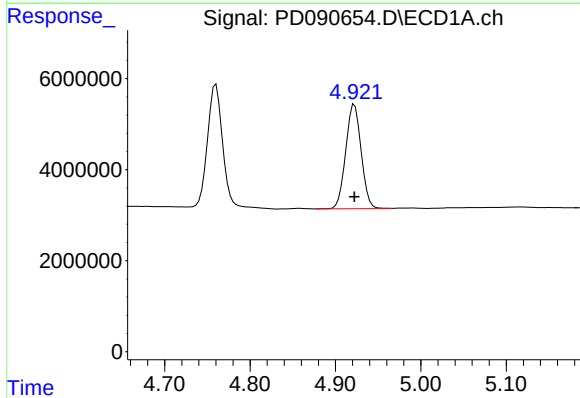
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



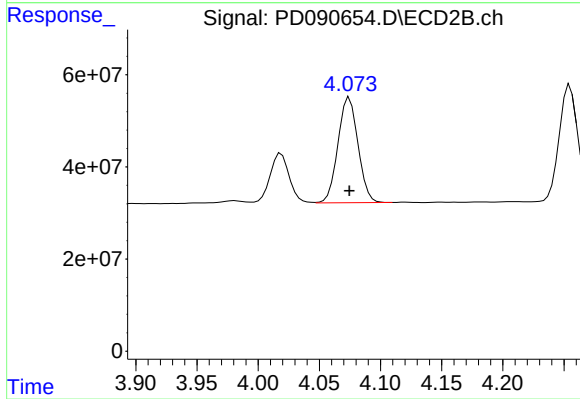
#3 gamma-BHC (Lindane)

R.T.: 3.723 min  
Delta R.T.: 0.000 min  
Response: 269467396  
Conc: 5.70 ng/ml



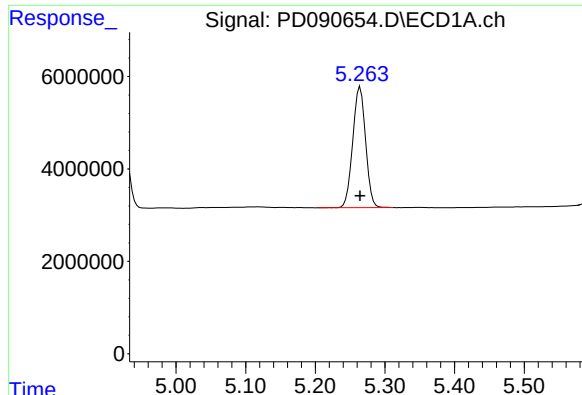
#4 Heptachlor

R.T.: 4.922 min  
Delta R.T.: 0.000 min  
Response: 28789856  
Conc: 5.15 ng/ml



#4 Heptachlor

R.T.: 4.075 min  
Delta R.T.: 0.000 min  
Response: 260945196  
Conc: 5.85 ng/ml



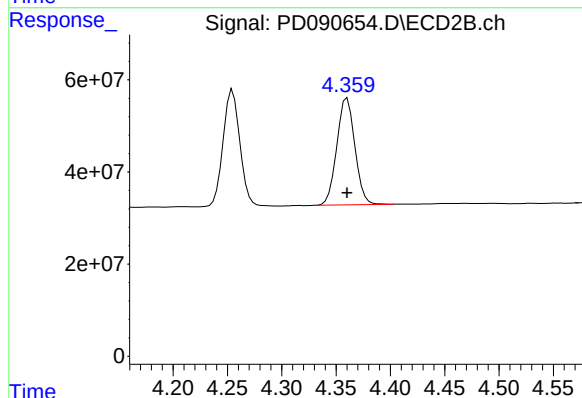
#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 33624118  
Conc: 5.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

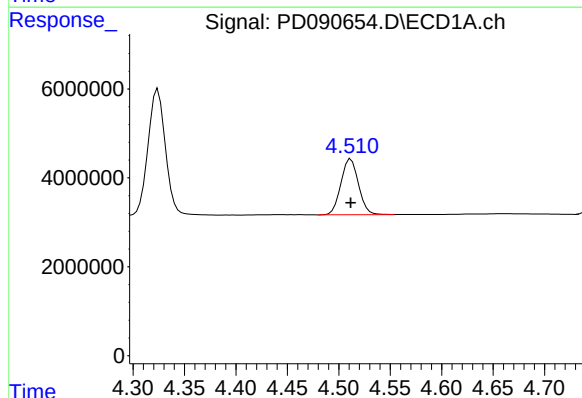
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



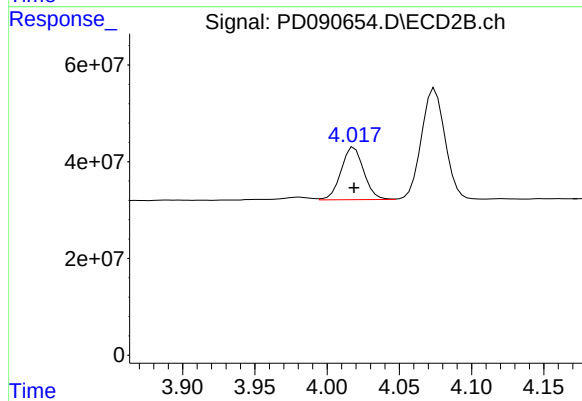
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 268648325  
Conc: 5.80 ng/ml



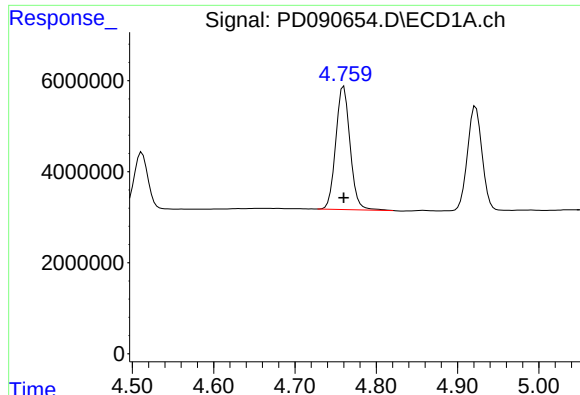
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 14963256  
Conc: 5.71 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 118003884  
Conc: 5.95 ng/ml



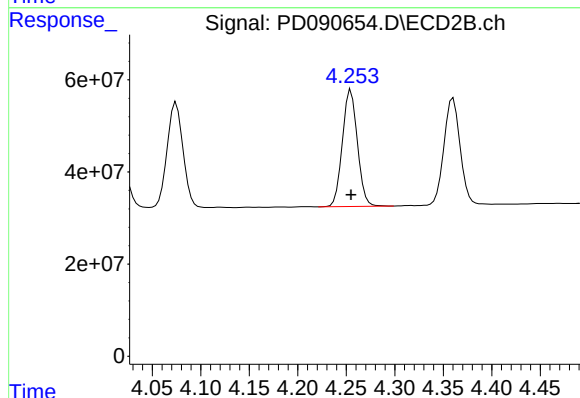
#7 delta-BHC

R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 33098385  
Conc: 4.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

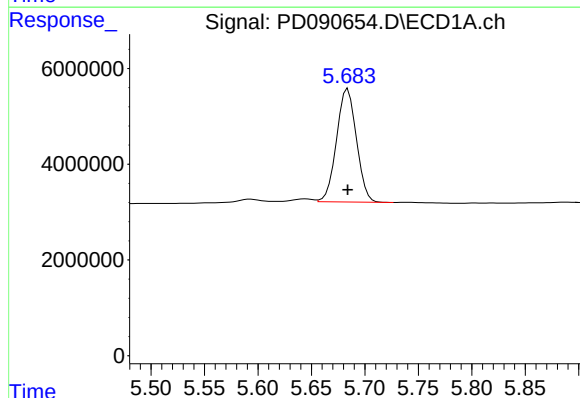
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



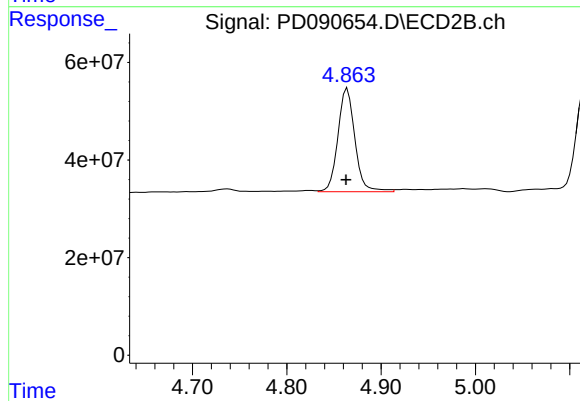
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 272079912  
Conc: 5.70 ng/ml



#8 Heptachlor epoxide

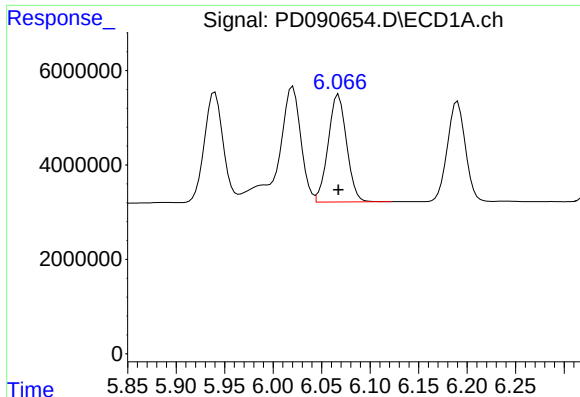
R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 30689599  
Conc: 5.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: 0.001 min  
Response: 265262691  
Conc: 6.28 ng/ml





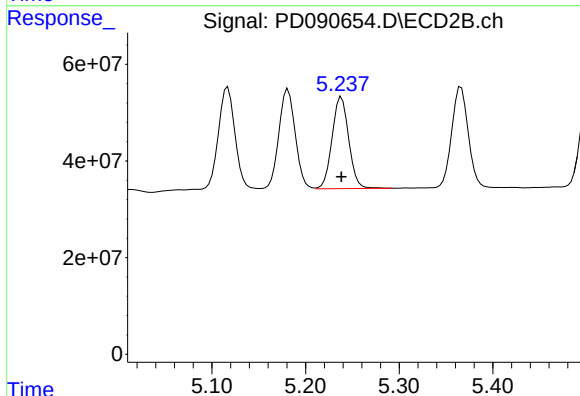
#9 Endosulfan I

R.T.: 6.067 min  
Delta R.T.: 0.000 min  
Response: 30143871  
Conc: 5.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

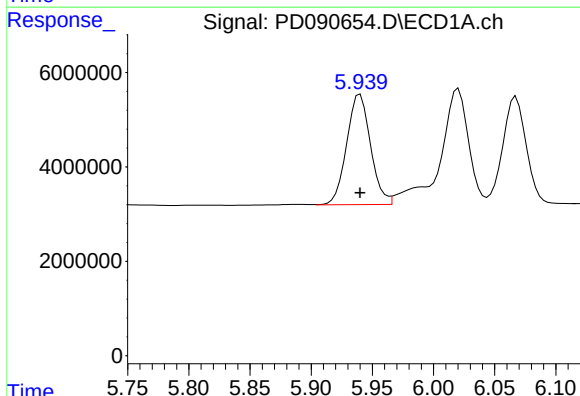
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



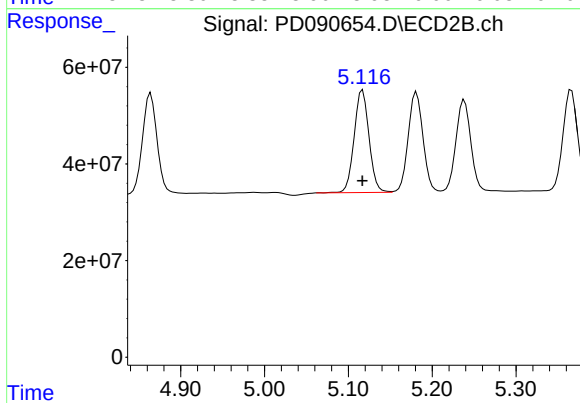
#9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 234861846  
Conc: 5.96 ng/ml



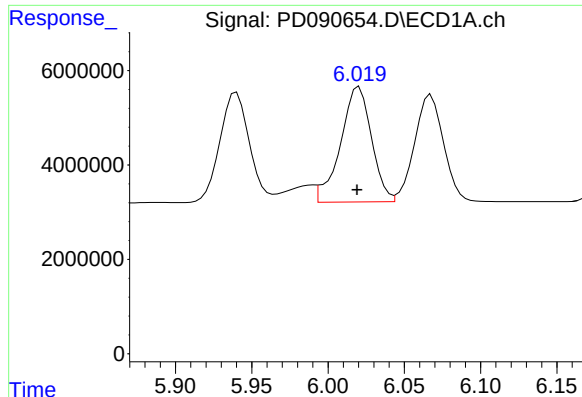
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 31705442  
Conc: 5.35 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 261533283  
Conc: 5.82 ng/ml



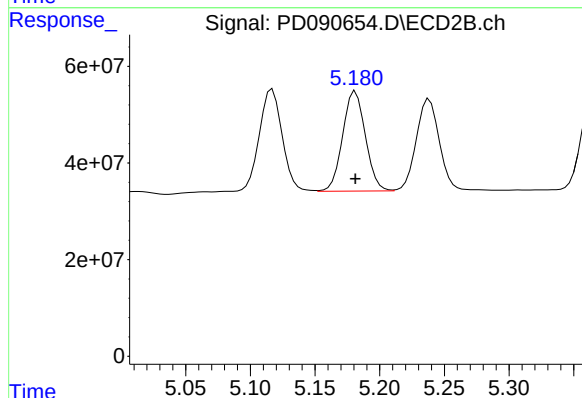
#11 alpha-Chlordane

R.T.: 6.019 min  
Delta R.T.: 0.000 min  
Response: 34603140  
Conc: 5.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

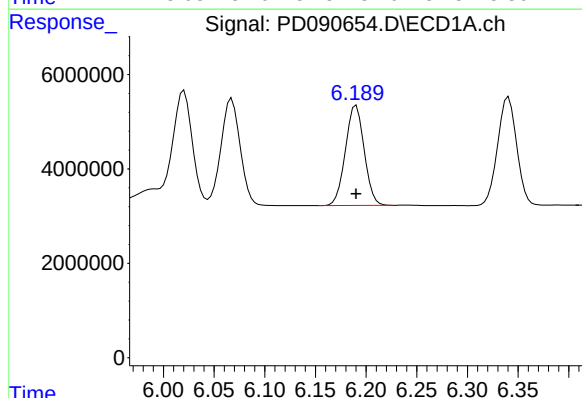
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



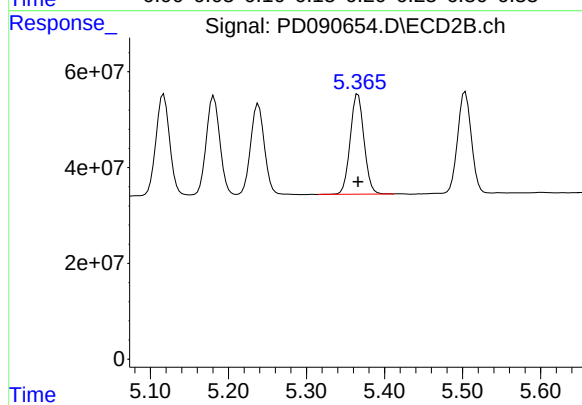
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 252662629  
Conc: 5.86 ng/ml



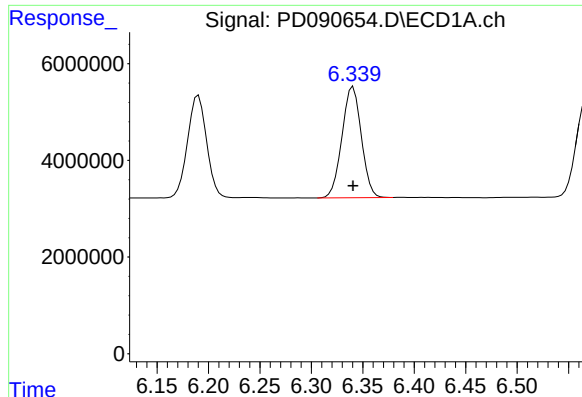
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 27280775  
Conc: 5.12 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 256868291  
Conc: 5.86 ng/ml



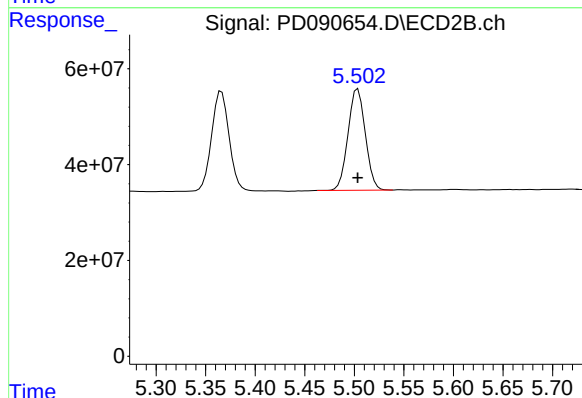
#13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 30082015  
Conc: 5.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

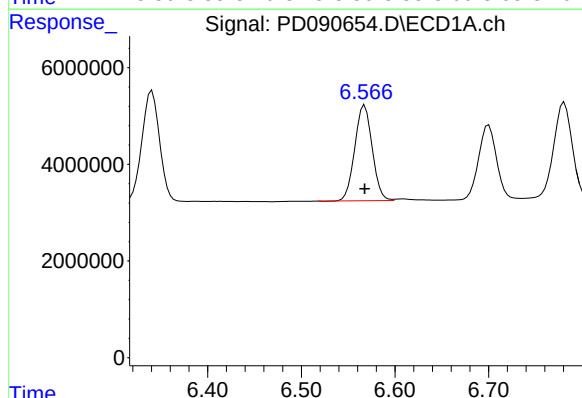
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



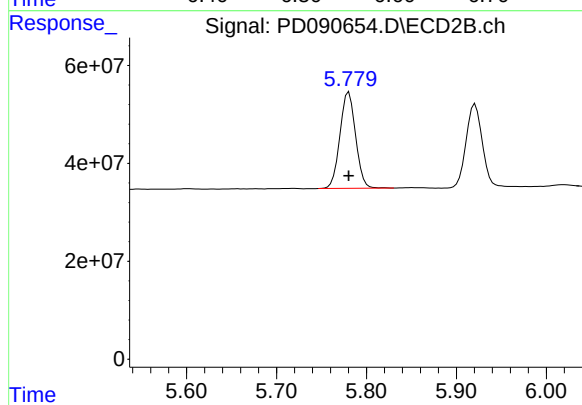
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: 0.000 min  
Response: 257969409  
Conc: 5.84 ng/ml



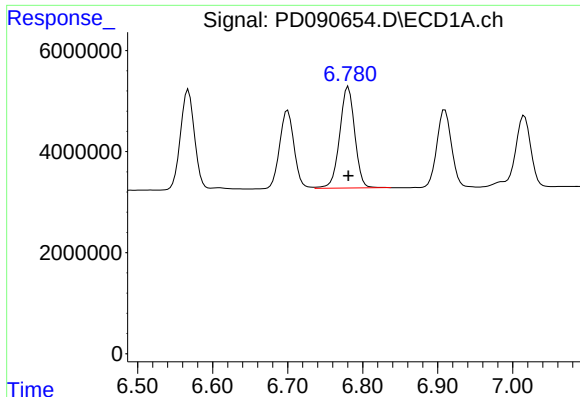
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 25601278  
Conc: 5.17 ng/ml



#14 Endrin

R.T.: 5.781 min  
Delta R.T.: 0.000 min  
Response: 238232371  
Conc: 5.88 ng/ml



#15 Endosulfan II

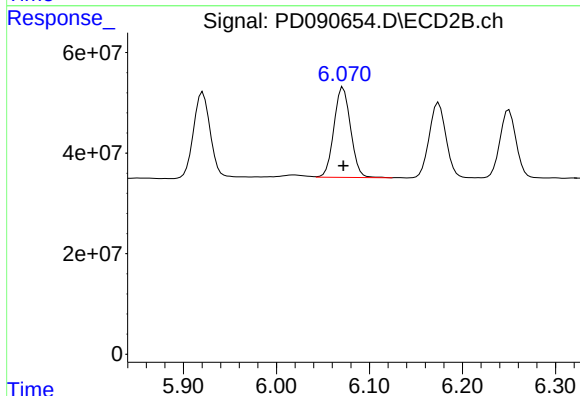
R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 28078989  
Conc: 5.62 ng/ml

ICAL Form

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

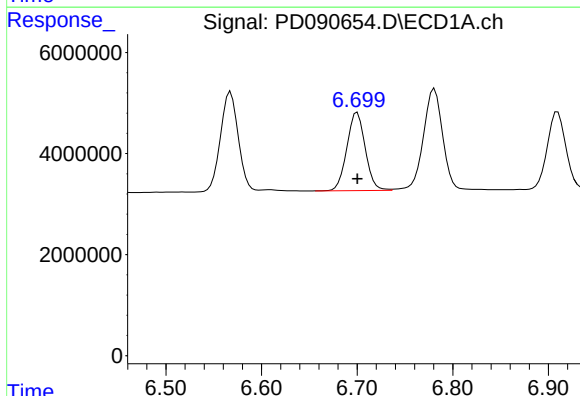
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



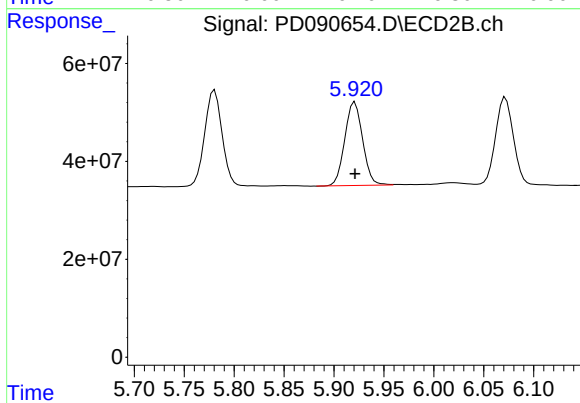
#15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 222935892  
Conc: 5.94 ng/ml



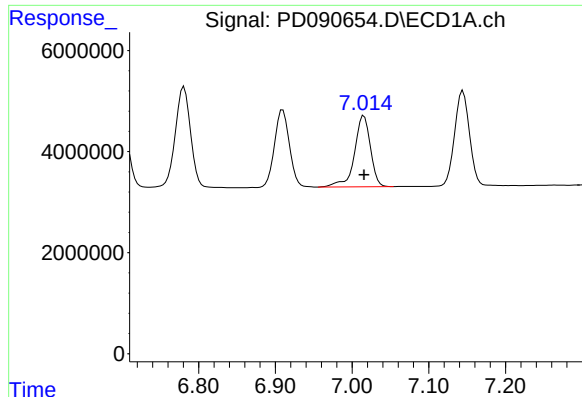
#16 4,4'-DDD

R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 20742842  
Conc: 5.12 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min  
Delta R.T.: 0.000 min  
Response: 211866590  
Conc: 5.81 ng/ml



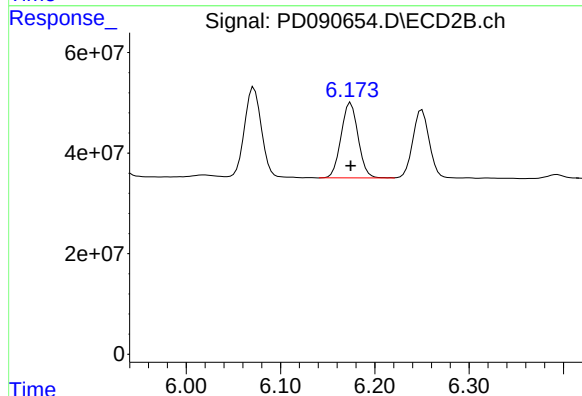
#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 20485670  
Conc: 4.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

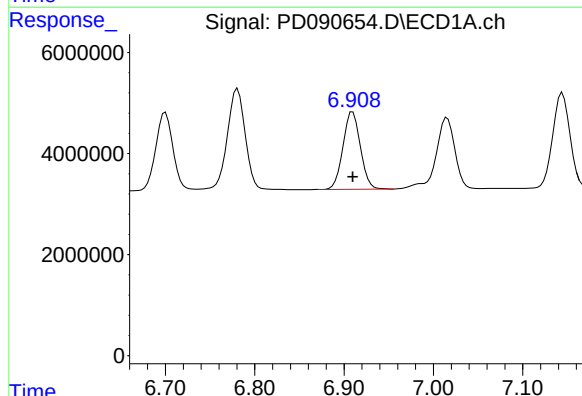
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



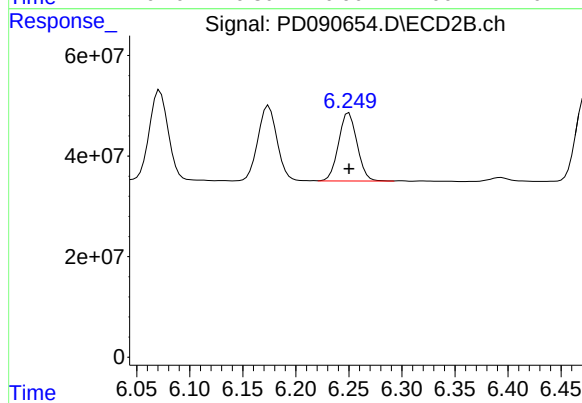
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 188338004  
Conc: 5.37 ng/ml



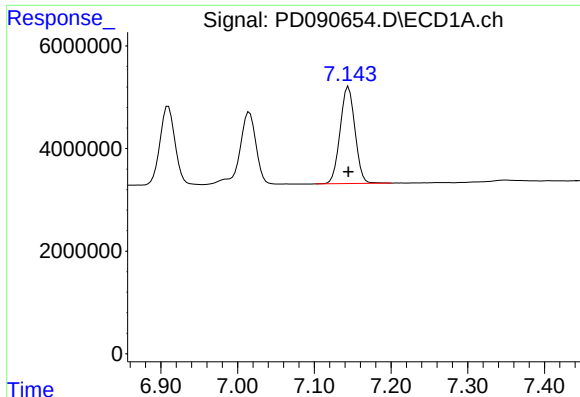
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 20741409  
Conc: 5.66 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 164766045  
Conc: 5.95 ng/ml



#19 Endosulfan Sulfate

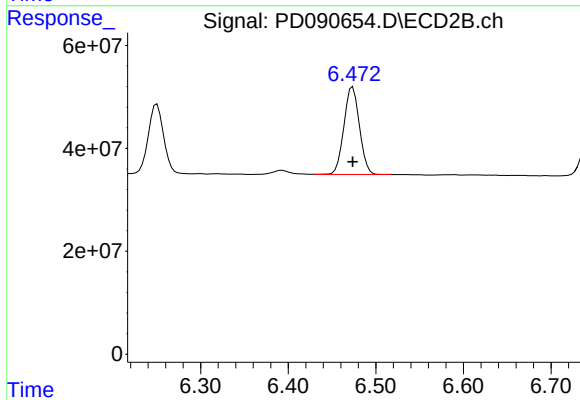
R.T.: 7.144 min  
Delta R.T.: 0.000 min  
Response: 25464611  
Conc: 5.49 ng/ml

ICAL Form

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

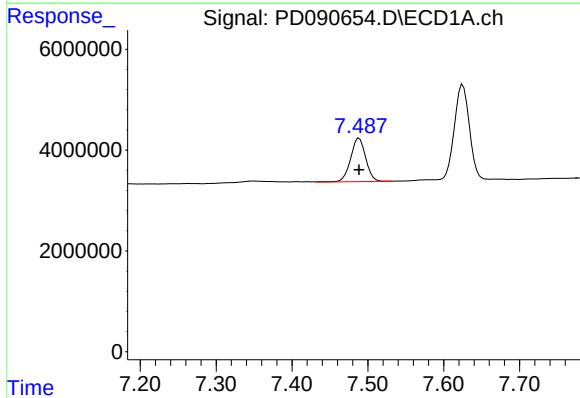
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



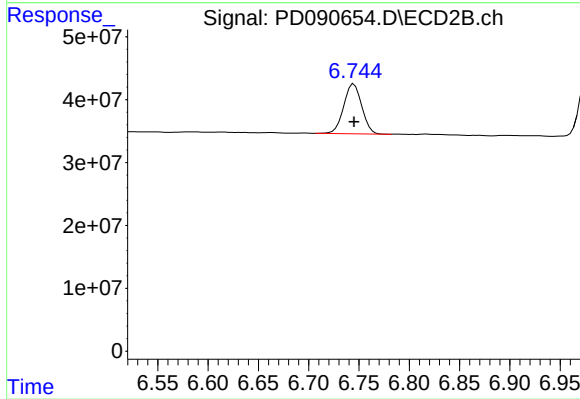
#19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 209504586  
Conc: 5.84 ng/ml



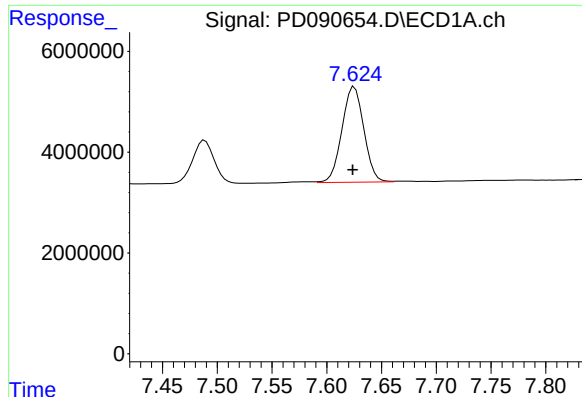
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 11946535  
Conc: 5.62 ng/ml



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 98858490  
Conc: 5.67 ng/ml



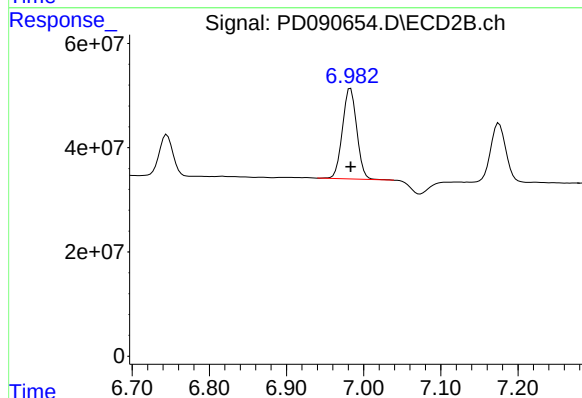
#21 Endrin ketone

R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 26302012  
Conc: 5.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

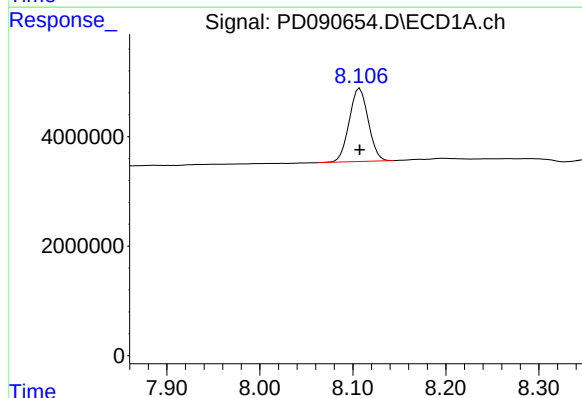
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



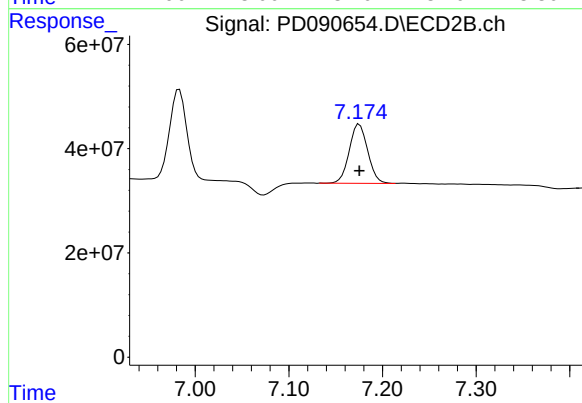
#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 223704577  
Conc: 5.93 ng/ml



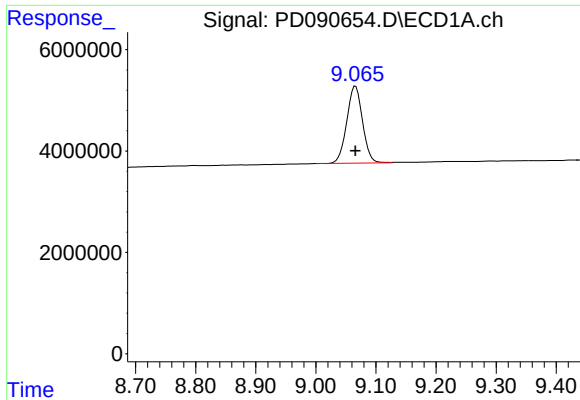
#22 Mirex

R.T.: 8.108 min  
Delta R.T.: 0.000 min  
Response: 19009608  
Conc: 5.94 ng/ml



#22 Mirex

R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 155640388  
Conc: 6.06 ng/ml



#28 Decachlorobiphenyl

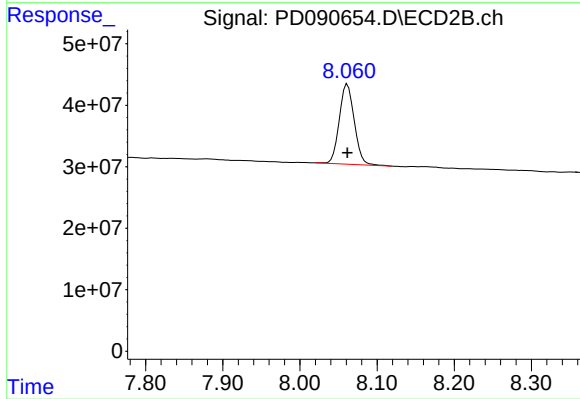
ICAL Form

R.T.: 9.066 min  
Delta R.T.: 0.000 min  
Response: 27500355  
Conc: 5.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 174937832  
Conc: 5.78 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090657.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 13:09  
 Operator : AR\AJ  
 Sample : PCHLORICC500  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PCHLORICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:49:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:48:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.545 | 2.874 | 108.8E6  | 1215.0E6 | 50.000  | 50.000  |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 167.8E6  | 1105.6E6 | 50.000  | 50.000  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 23)                         | Chlordane-1     | 4.708 | 3.898 | 92608674 | 605.2E6  | 500.000 | 500.000 |
| 24)                         | Chlordane-2     | 5.235 | 4.479 | 92865500 | 631.9E6  | 500.000 | 500.000 |
| 25)                         | Chlordane-3     | 5.941 | 5.117 | 379.1E6  | 1885.9E6 | 500.000 | 500.000 |
| 26)                         | Chlordane-4     | 6.026 | 5.181 | 458.8E6  | 1625.9E6 | 500.000 | 500.000 |
| 27)                         | Chlordane-5     | 6.865 | 6.081 | 74238996 | 730.3E6  | 500.000 | 500.000 |
| -----                       |                 |       |       |          |          |         |         |

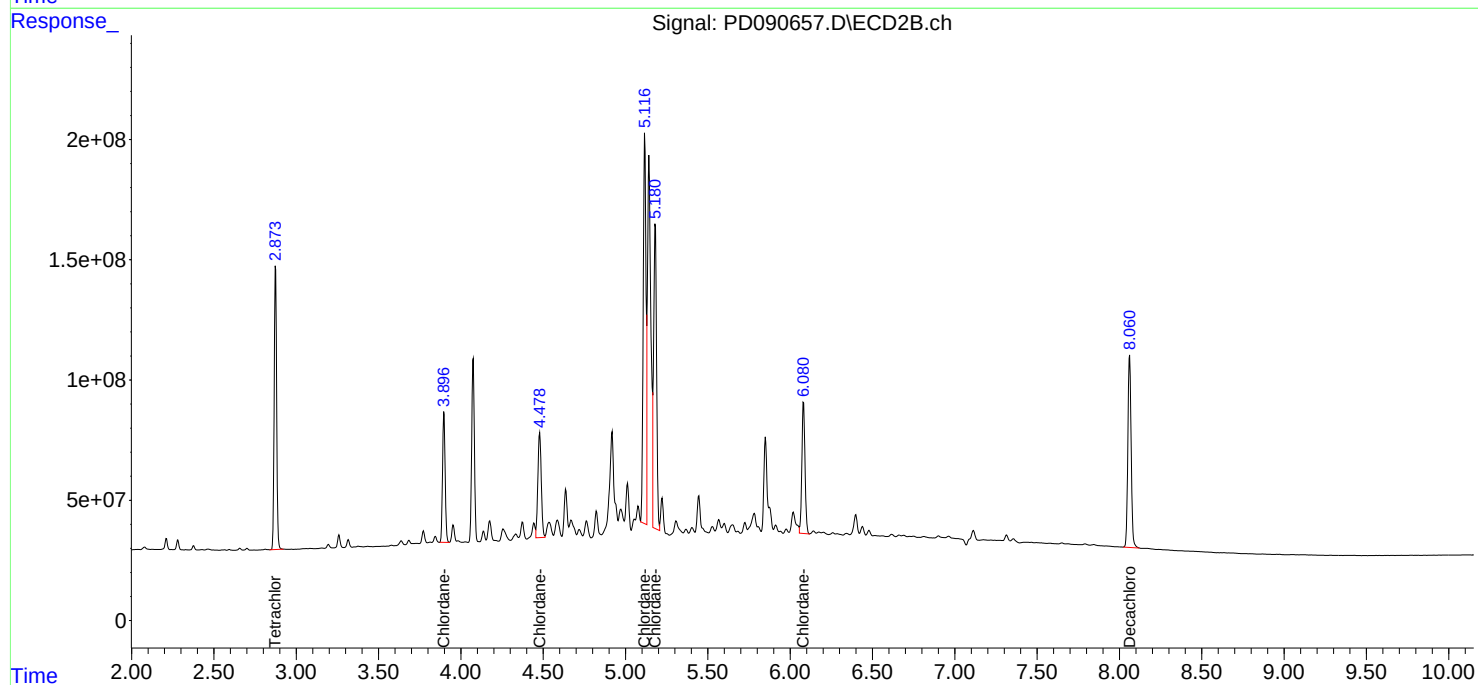
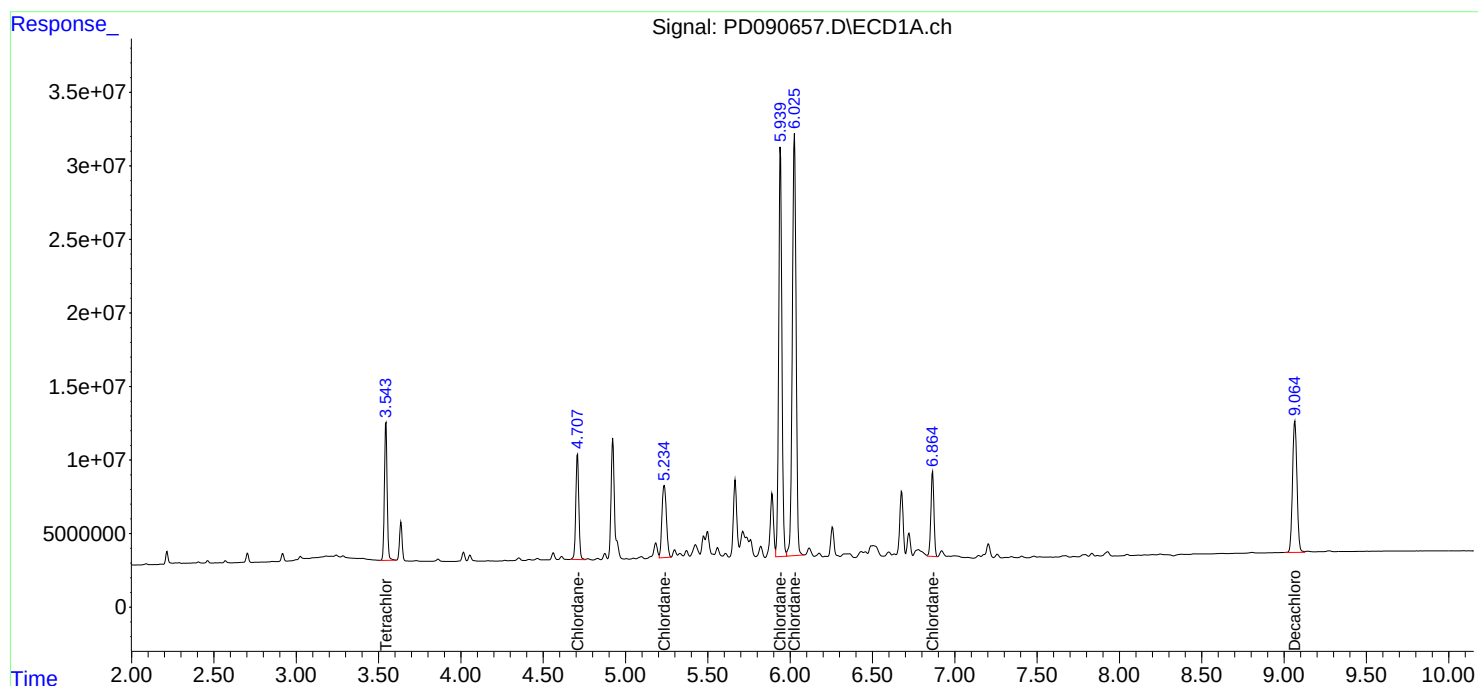
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

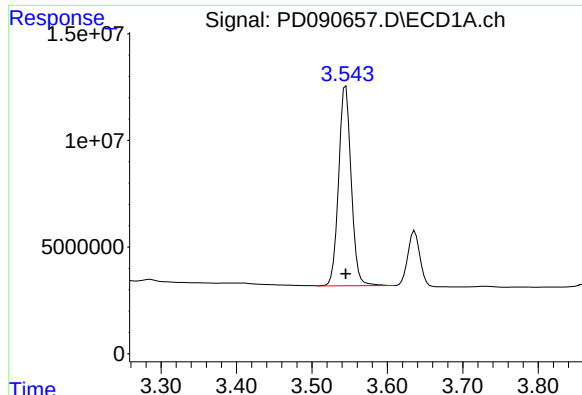
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090657.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 13:09  
Operator : AR\AJ  
Sample : PCHLORICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PCHLORICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:49:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:48:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

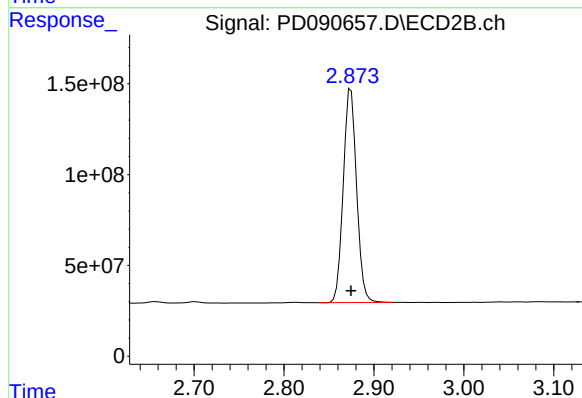




## #1 Tetrachloro-m-xylene

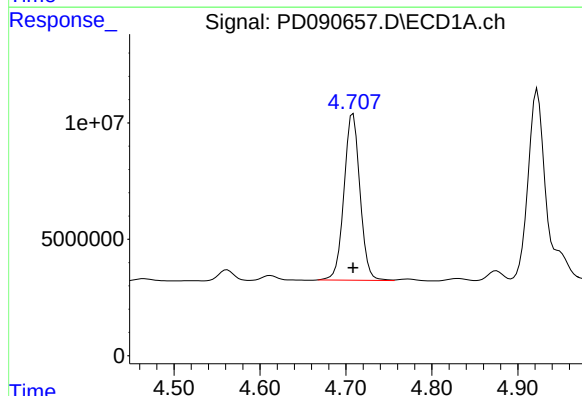
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 108758097  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PCHLORICC500



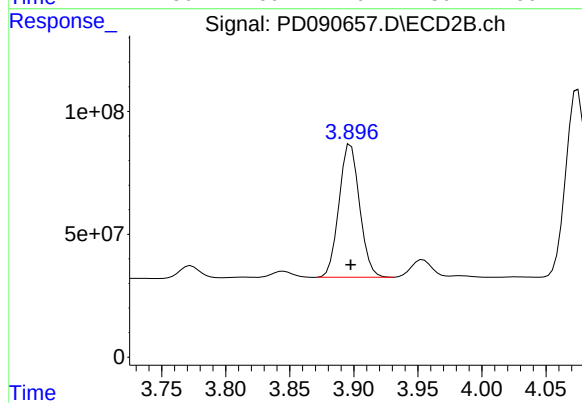
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 1214996007  
Conc: 50.00 ng/ml



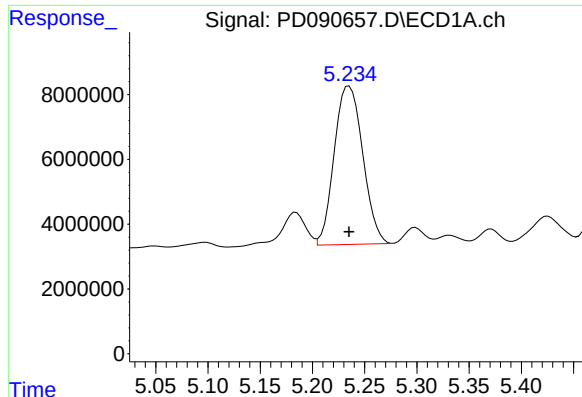
## #23 Chlordane-1

R.T.: 4.708 min  
Delta R.T.: 0.000 min  
Response: 92608674  
Conc: 500.00 ng/ml



## #23 Chlordane-1

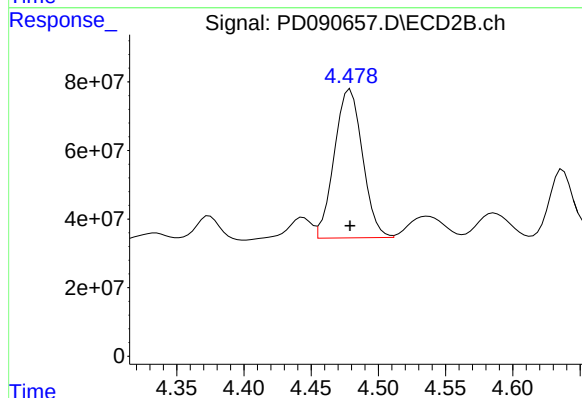
R.T.: 3.898 min  
Delta R.T.: 0.000 min  
Response: 605185458  
Conc: 500.00 ng/ml



#24 Chlordane-2

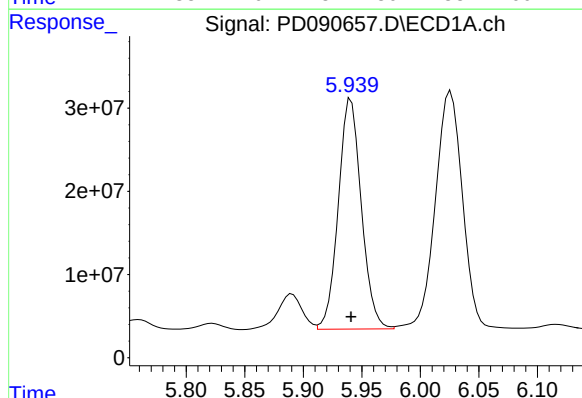
R.T.: 5.235 min  
Delta R.T.: 0.000 min  
Response: 92865500  
Conc: 500.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PCHLORICC500



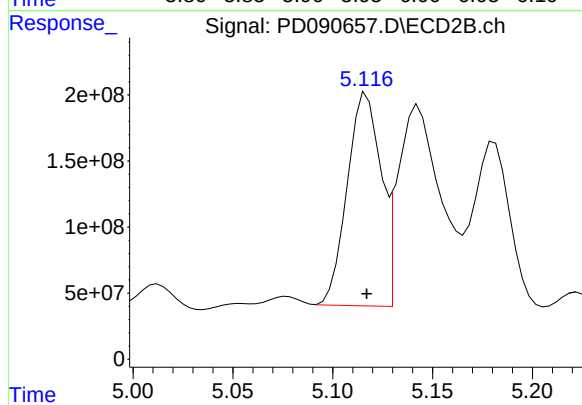
#24 Chlordane-2

R.T.: 4.479 min  
Delta R.T.: 0.000 min  
Response: 631892083  
Conc: 500.00 ng/ml



#25 Chlordane-3

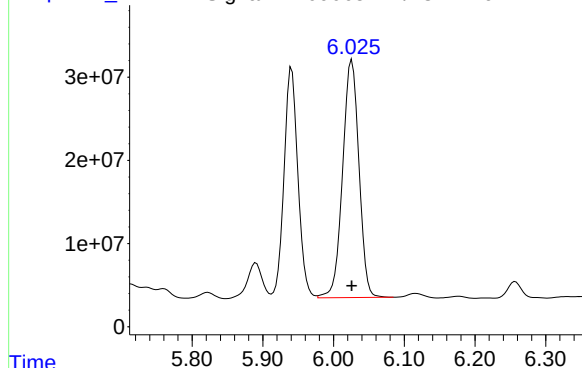
R.T.: 5.941 min  
Delta R.T.: 0.000 min  
Response: 379095261  
Conc: 500.00 ng/ml



#25 Chlordane-3

R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 1885915535  
Conc: 500.00 ng/ml

Response\_ Signal: PD090657.D\ECD1A.ch

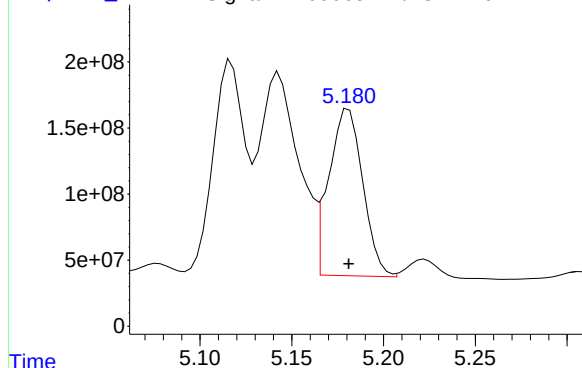


#26 Chlordane-4

R.T.: 6.026 min  
Delta R.T.: 0.000 min  
Response: 458791566  
Conc: 500.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PCHLORICC500

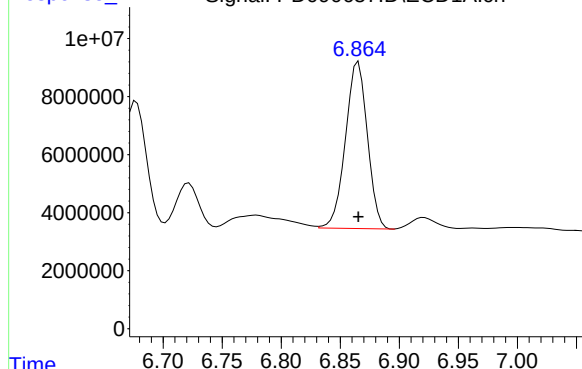
Time Response\_ Signal: PD090657.D\ECD2B.ch



#26 Chlordane-4

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 1625937453  
Conc: 500.00 ng/ml

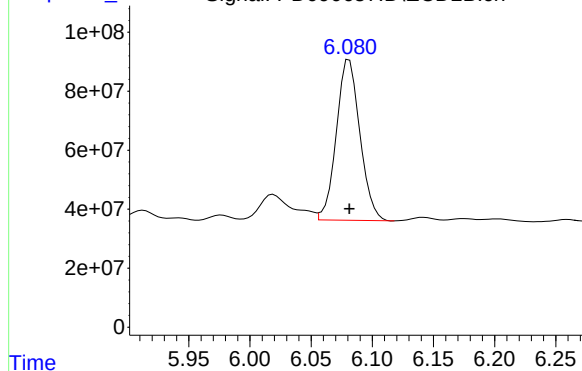
Time Response\_ Signal: PD090657.D\ECD1A.ch



#27 Chlordane-5

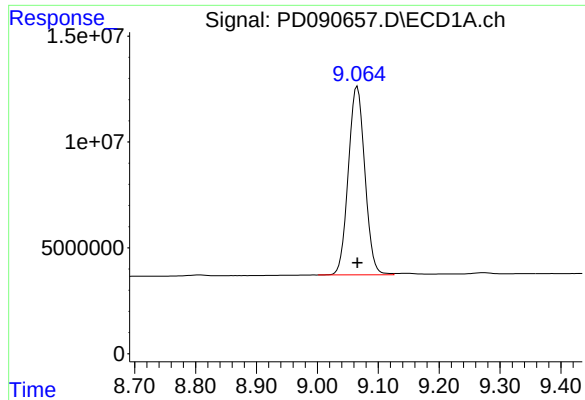
R.T.: 6.865 min  
Delta R.T.: 0.000 min  
Response: 74238996  
Conc: 500.00 ng/ml

Time Response\_ Signal: PD090657.D\ECD2B.ch



#27 Chlordane-5

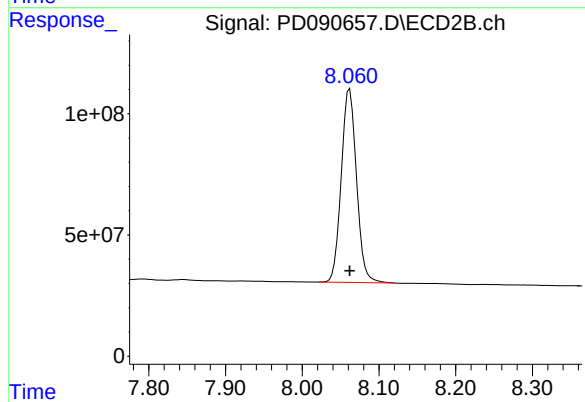
R.T.: 6.081 min  
Delta R.T.: 0.000 min  
Response: 730253582  
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.000 min  
Response: 167755700  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 1105630741  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090662.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 14:17  
 Operator : AR\AJ  
 Sample : PTOXICC500  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PTOXICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 14:36:03 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:35:49 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x 0. 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... | 3.545 | 2.875 | 149.0E6  | 1451.5E6 | 50.000  | 50.000  |
| 7)                          | SA Decachlor... | 9.066 | 8.062 | 225.6E6  | 1489.1E6 | 50.000  | 50.000  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | Toxaphene-1     | 6.236 | 5.466 | 16282219 | 131.9E6  | 500.000 | 500.000 |
| 3)                          | Toxaphene-2     | 6.436 | 5.638 | 24310877 | 88280081 | 500.000 | 500.000 |
| 4)                          | Toxaphene-3     | 7.143 | 6.745 | 42855293 | 329.4E6  | 500.000 | 500.000 |
| 5)                          | Toxaphene-4     | 7.558 | 7.189 | 47868684 | 247.6E6  | 500.000 | 500.000 |
| 6)                          | Toxaphene-5     | 7.923 | 7.320 | 30240231 | 123.0E6  | 500.000 | 500.000 |
| -----                       |                 |       |       |          |          |         |         |

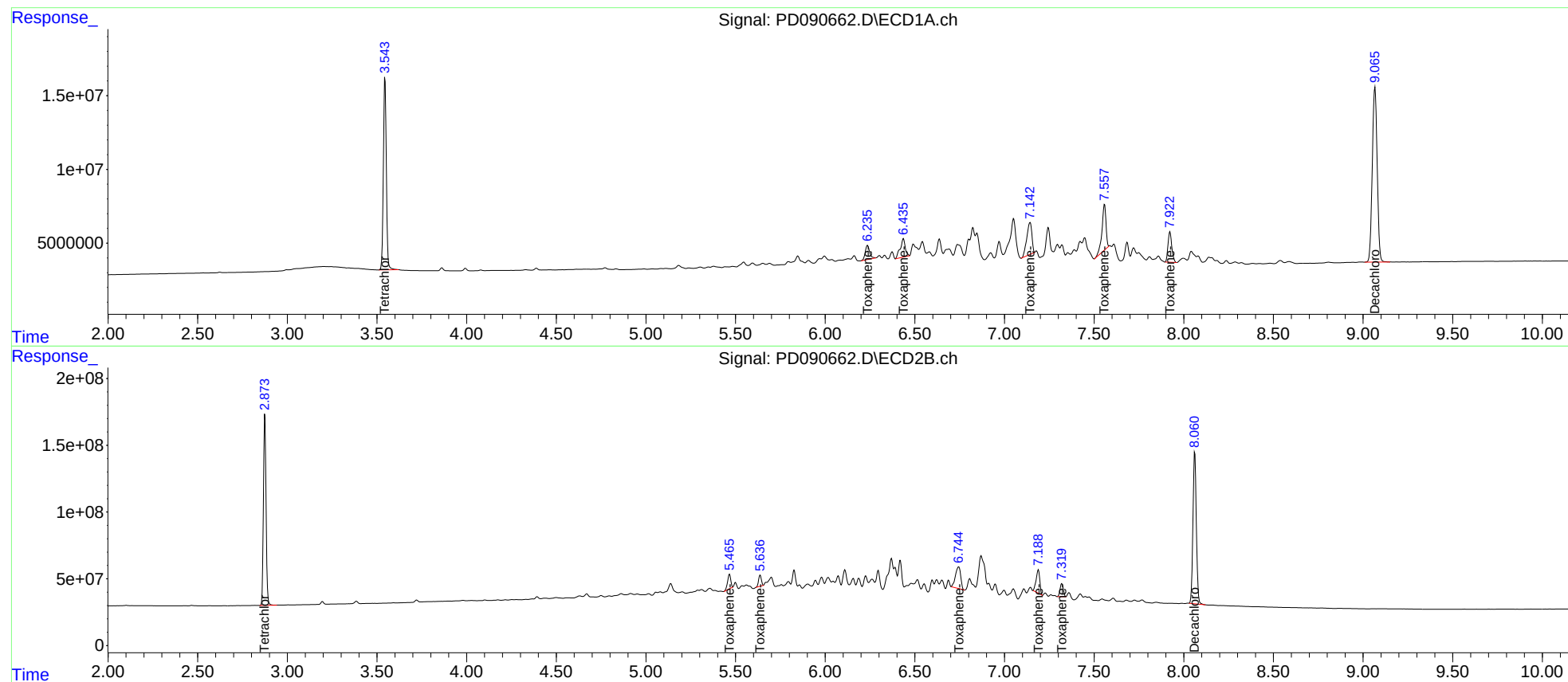
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090662.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 14:17  
Operator : AR\AJ  
Sample : PTOXICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

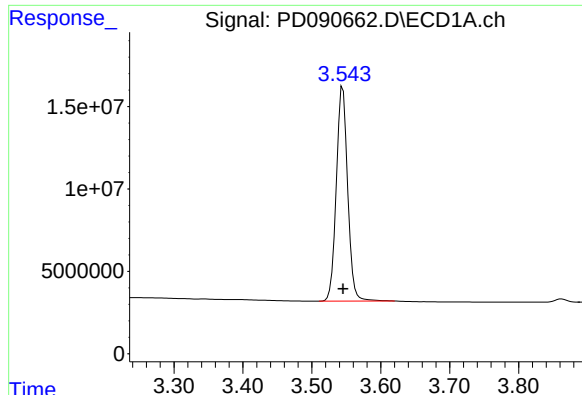
Instrument :  
ECD\_D  
ClientSampleId :  
PTOXICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:36:03 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:35:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm



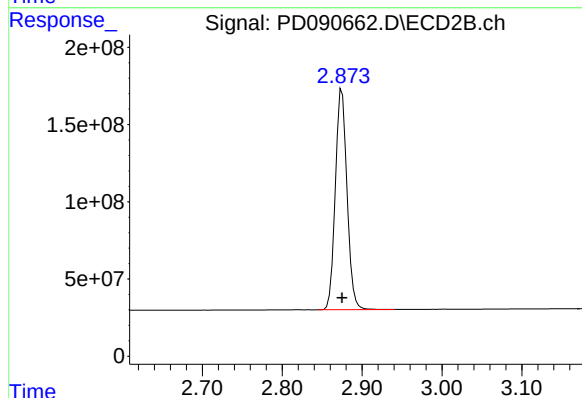




#1 Tetrachloro-m-xylene

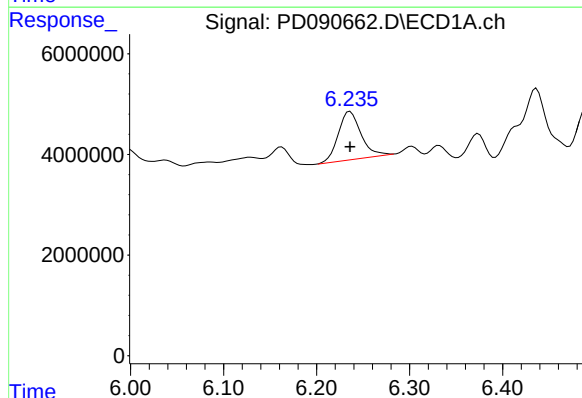
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 149025126  
Conc: 50.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PTOXICC500



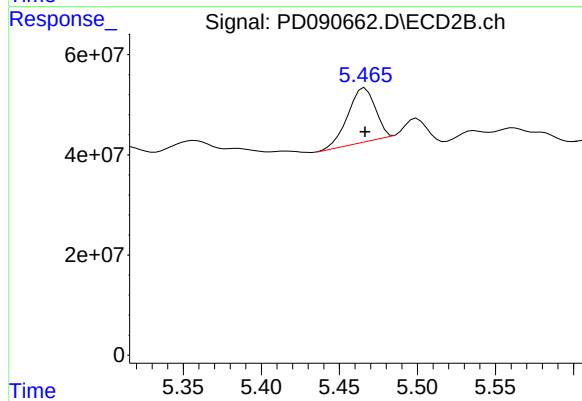
#1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 1451452961  
Conc: 50.00 ng/ml



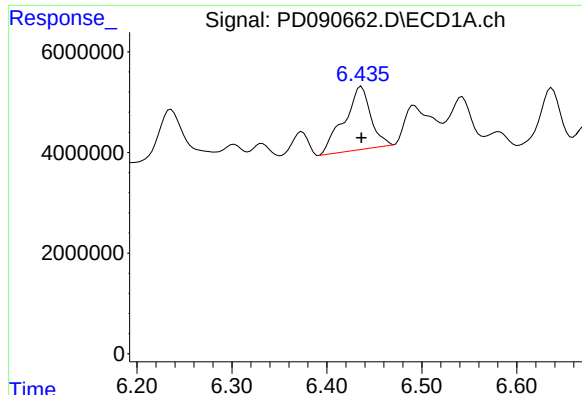
#2 Toxaphene-1

R.T.: 6.236 min  
Delta R.T.: 0.000 min  
Response: 16282219  
Conc: 500.00 ng/ml



#2 Toxaphene-1

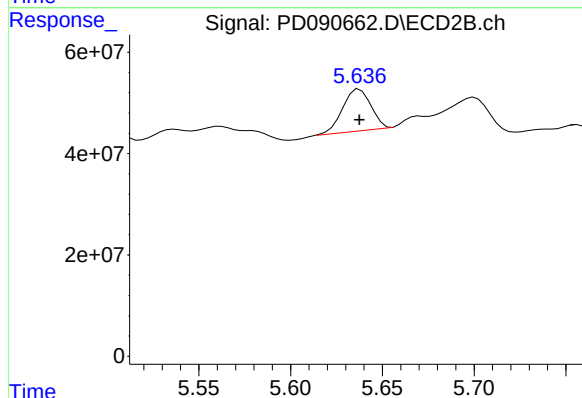
R.T.: 5.466 min  
Delta R.T.: 0.000 min  
Response: 131850816  
Conc: 500.00 ng/ml



## #3 Toxaphene-2

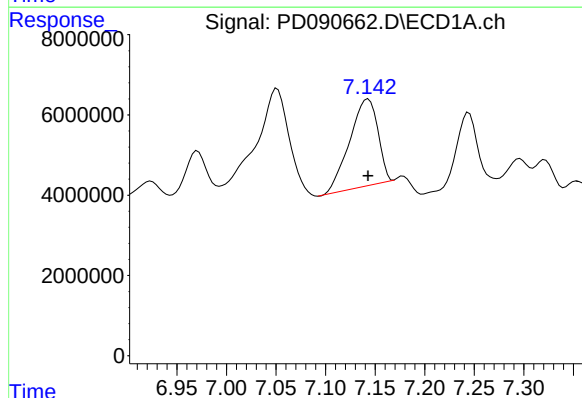
R.T.: 6.436 min  
Delta R.T.: 0.000 min  
Response: 24310877  
Conc: 500.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PTOXICC500



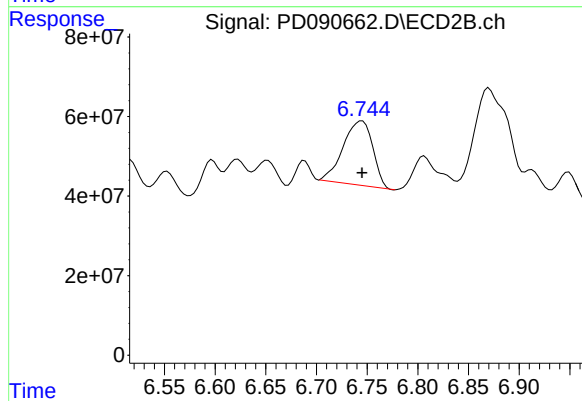
## #3 Toxaphene-2

R.T.: 5.638 min  
Delta R.T.: 0.000 min  
Response: 88280081  
Conc: 500.00 ng/ml



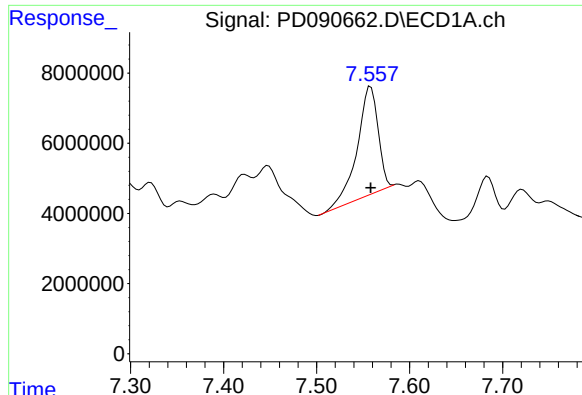
## #4 Toxaphene-3

R.T.: 7.143 min  
Delta R.T.: 0.000 min  
Response: 42855293  
Conc: 500.00 ng/ml



## #4 Toxaphene-3

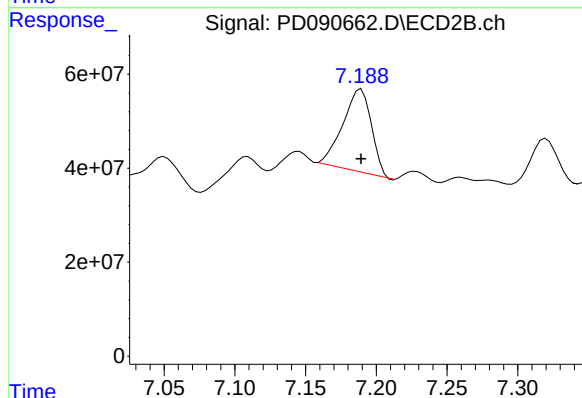
R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 329441315  
Conc: 500.00 ng/ml



## #5 Toxaphene-4

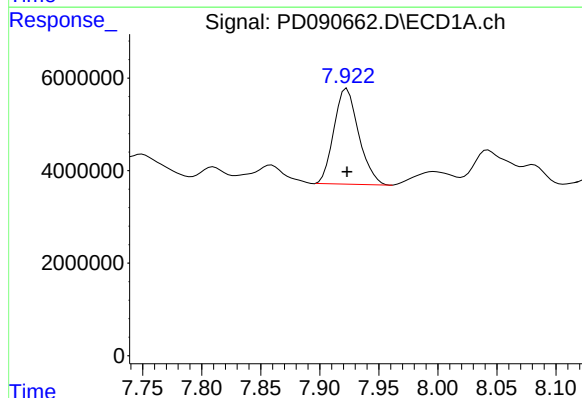
R.T.: 7.558 min  
Delta R.T.: 0.000 min  
Response: 47868684  
Conc: 500.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PTOXICC500



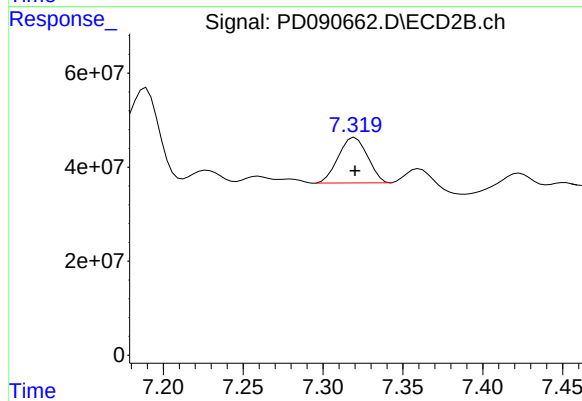
## #5 Toxaphene-4

R.T.: 7.189 min  
Delta R.T.: 0.000 min  
Response: 247552187  
Conc: 500.00 ng/ml



## #6 Toxaphene-5

R.T.: 7.923 min  
Delta R.T.: 0.000 min  
Response: 30240231  
Conc: 500.00 ng/ml



## #6 Toxaphene-5

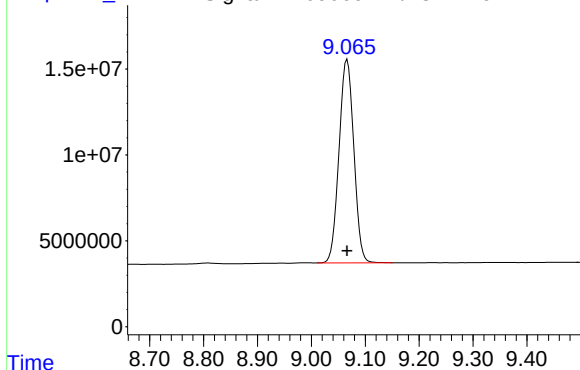
R.T.: 7.320 min  
Delta R.T.: 0.000 min  
Response: 123016477  
Conc: 500.00 ng/ml

Response\_

Signal: PD090662.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.066 min  
Delta R.T.: 0.000 min  
Response: 225576698  
Conc: 50.00 ng/ml

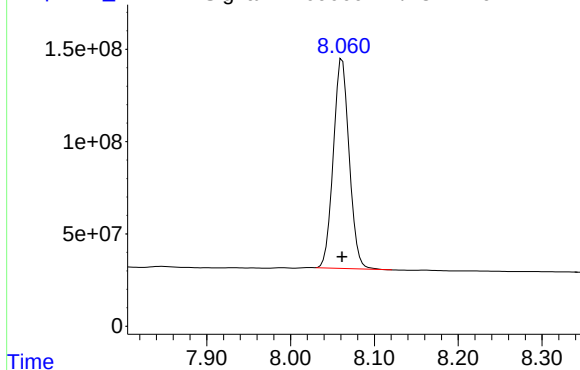
Instrument :  
ECD\_D  
ClientSampleId :  
PTOXICC500

Time

Response\_

Signal: PD090662.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 1489074983  
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090665.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 16:46  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 ICVPD101725

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 17:27:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:02:33 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 153.7E6 | 1464.9E6 | 49.347 | 49.195 |
| 28)                         | SA Decachlor... | 9.065 | 8.062 | 232.3E6 | 1556.2E6 | 49.651 | 51.373 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.386 | 368.9E6 | 2547.7E6 | 51.395 | 49.860 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.722 | 346.1E6 | 2351.4E6 | 50.913 | 49.766 |
| 4)                          | MA Heptachlor   | 4.923 | 4.074 | 269.7E6 | 2210.7E6 | 48.243 | 49.564 |
| 5)                          | MB Aldrin       | 5.264 | 4.360 | 332.4E6 | 2302.8E6 | 50.770 | 49.716 |
| 6)                          | B beta-BHC      | 4.512 | 4.018 | 128.8E6 | 974.3E6  | 49.166 | 49.134 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 343.7E6 | 2372.2E6 | 50.832 | 49.714 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 292.1E6 | 2073.7E6 | 50.455 | 48.633 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 276.7E6 | 1960.5E6 | 49.982 | 49.772 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 297.4E6 | 2236.0E6 | 50.146 | 49.745 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.181 | 299.6E6 | 2144.4E6 | 48.473 | 49.711 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 269.1E6 | 2179.5E6 | 50.526 | 49.716 |
| 13)                         | MA Dieldrin     | 6.341 | 5.503 | 295.7E6 | 2209.3E6 | 50.705 | 50.003 |
| 14)                         | MA Endrin       | 6.568 | 5.780 | 251.8E6 | 2041.8E6 | 50.824 | 50.421 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 251.4E6 | 1876.1E6 | 50.275 | 49.956 |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.920 | 206.7E6 | 1821.0E6 | 50.990 | 49.977 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.174 | 206.8E6 | 1798.7E6 | 50.320 | 51.285 |
| 18)                         | B Endrin al...  | 6.910 | 6.250 | 184.2E6 | 1401.3E6 | 50.283 | 50.600 |
| 19)                         | B Endosulfa...  | 7.144 | 6.474 | 231.2E6 | 1809.0E6 | 49.837 | 50.467 |
| 20)                         | A Methoxychlor  | 7.489 | 6.745 | 104.2E6 | 890.1E6  | 48.999 | 51.076 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 242.9E6 | 1911.1E6 | 49.982 | 50.668 |
| 22)                         | Mirex           | 8.108 | 7.176 | 158.1E6 | 1294.5E6 | 49.394 | 50.389 |
| -----                       |                 |       |       |         |          |        |        |

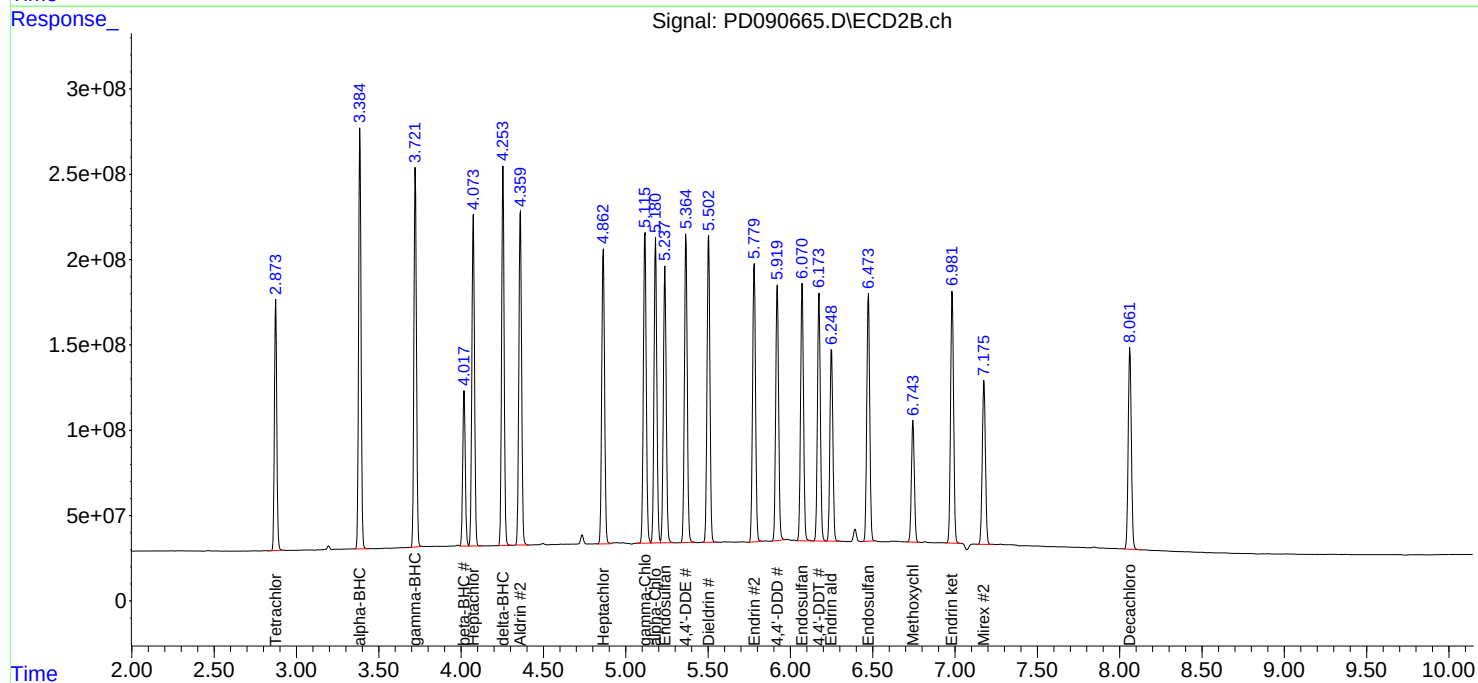
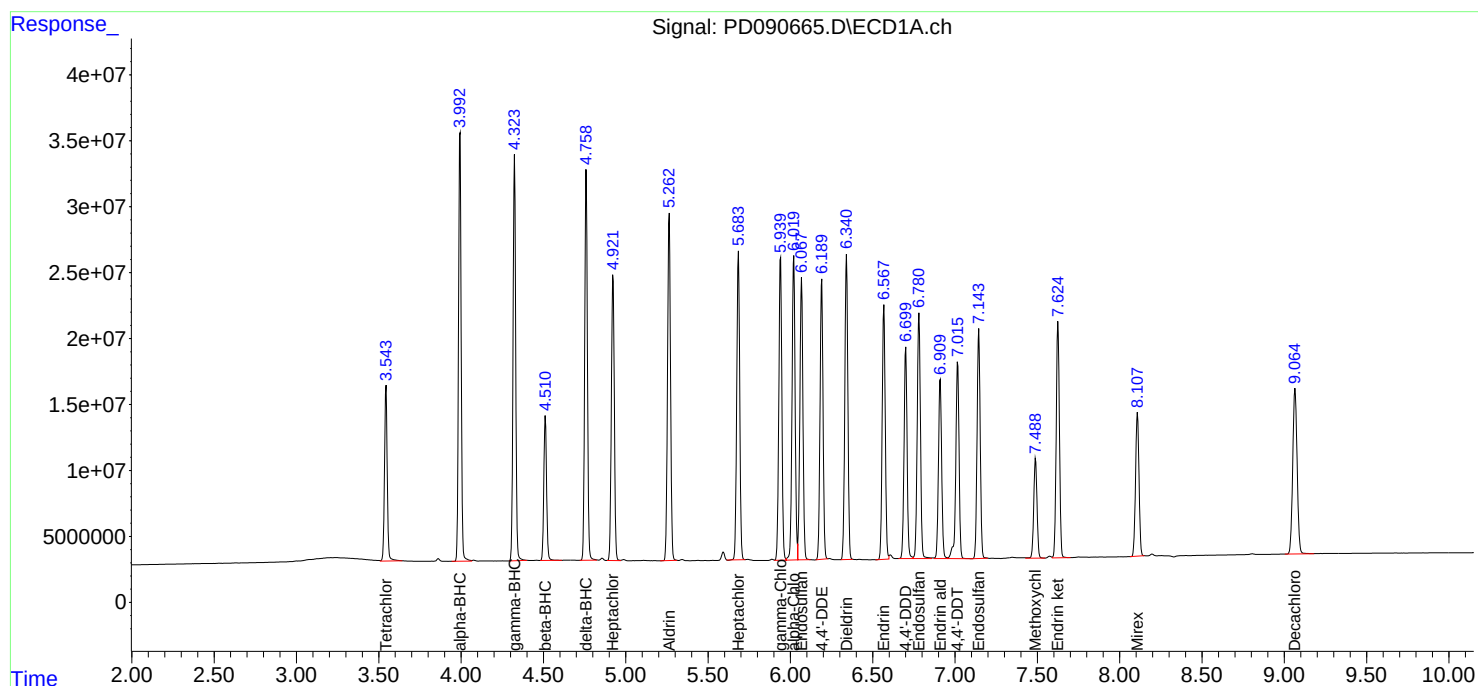
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

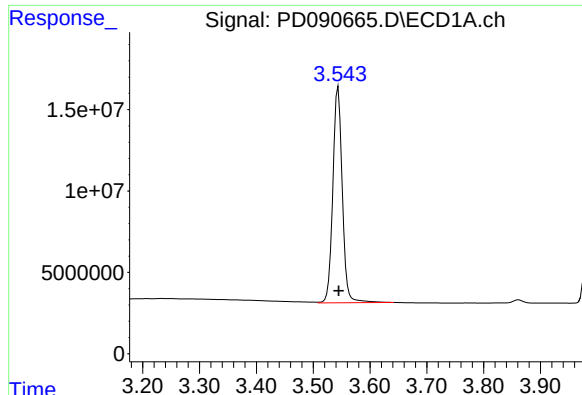
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090665.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 16:46  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 17:27:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 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 x 0.25µm

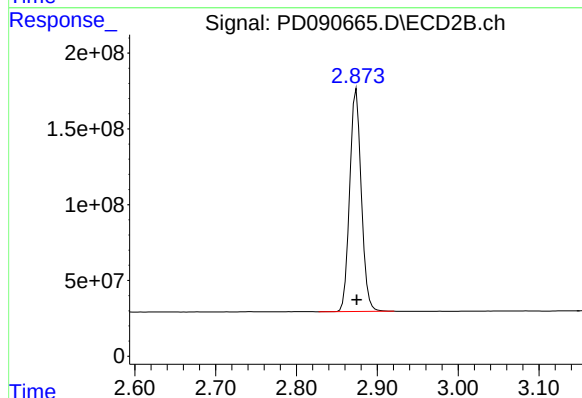




## #1 Tetrachloro-m-xylene

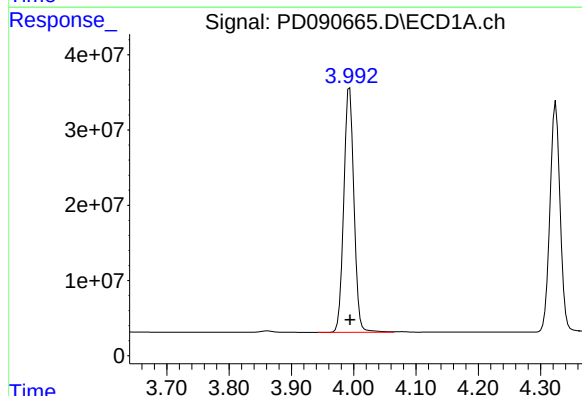
R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 153674114  
Conc: 49.35 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



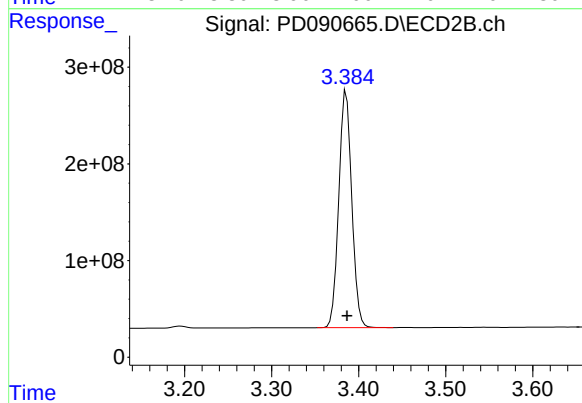
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 1464875316  
Conc: 49.19 ng/ml



## #2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 368866522  
Conc: 51.39 ng/ml



## #2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 2547652740  
Conc: 49.86 ng/ml

Response

Signal: PD090665.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 346148511

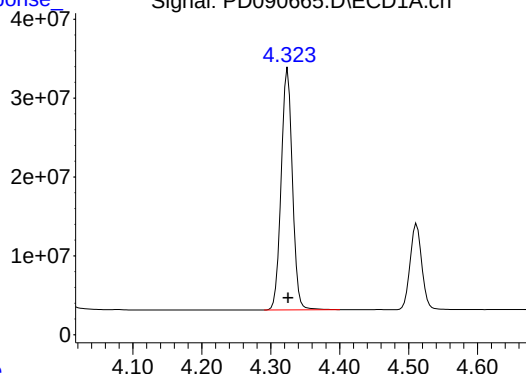
Conc: 50.91 ng/ml

Instrument :

ECD\_D

ClientSampleId :

ICVPD101725



Time

Response

Signal: PD090665.D\ECD2B.ch

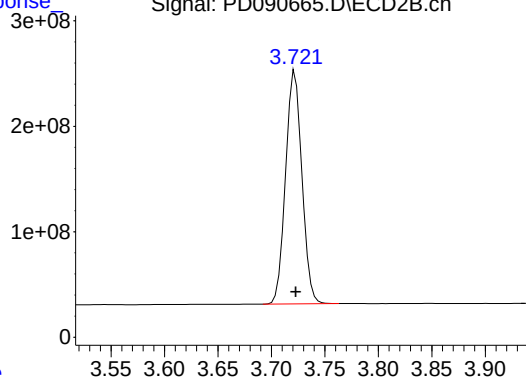
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 2351401356

Conc: 49.77 ng/ml



Time

Response

Signal: PD090665.D\ECD1A.ch

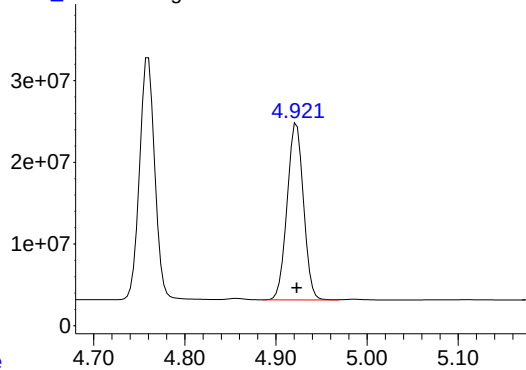
#4 Heptachlor

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 269655012

Conc: 48.24 ng/ml



Time

Response

Signal: PD090665.D\ECD2B.ch

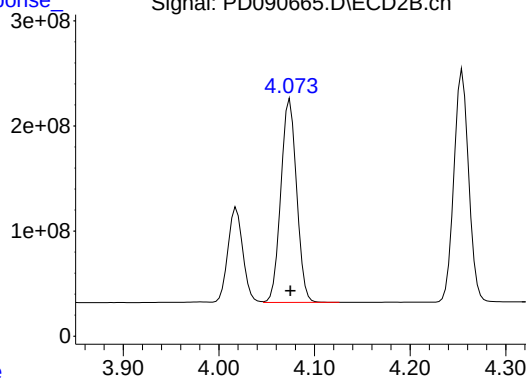
#4 Heptachlor

R.T.: 4.074 min

Delta R.T.: 0.000 min

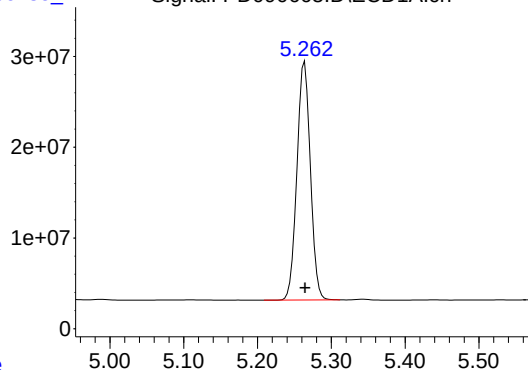
Response: 2210699675

Conc: 49.56 ng/ml



Time





R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 332404308  
Conc: 50.77 ng/ml

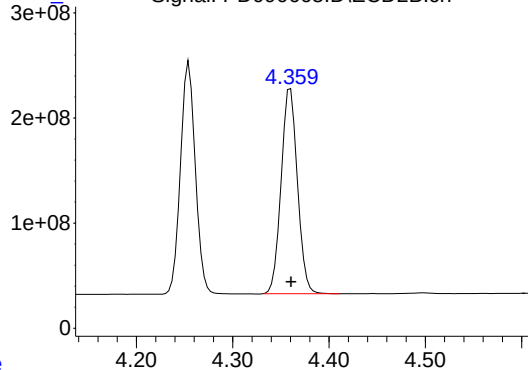
Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725

Time

Response

Signal: PD090665.D\ECD2B.ch

#5 Aldrin



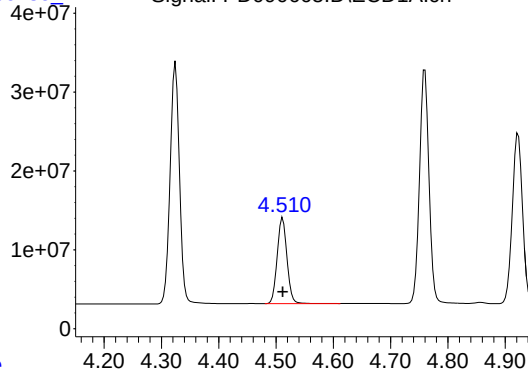
R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 2302805919  
Conc: 49.72 ng/ml

Time

Response

Signal: PD090665.D\ECD1A.ch

#6 beta-BHC



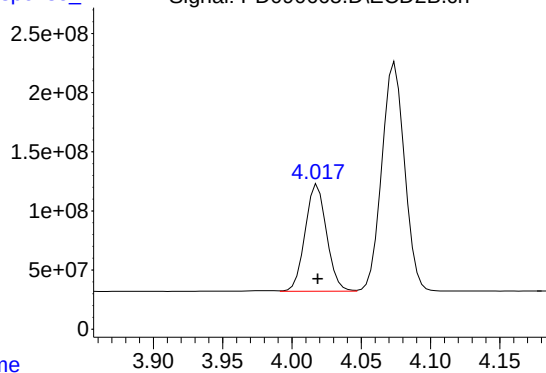
R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 128796459  
Conc: 49.17 ng/ml

Time

Response

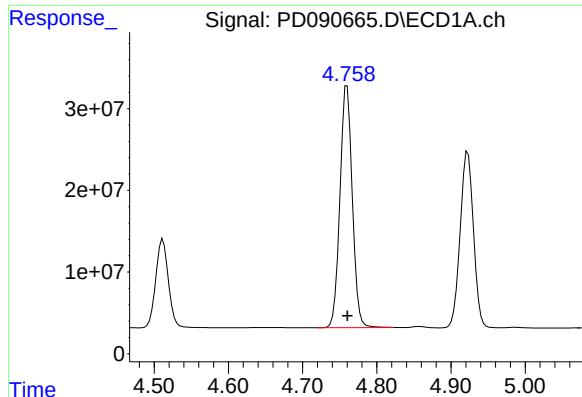
Signal: PD090665.D\ECD2B.ch

#6 beta-BHC



R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 974305644  
Conc: 49.13 ng/ml

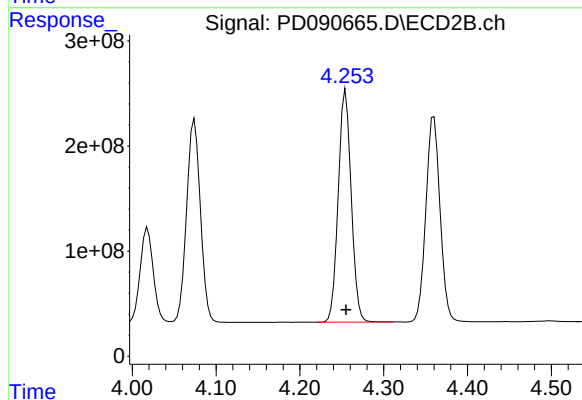
Time



#7 delta-BHC

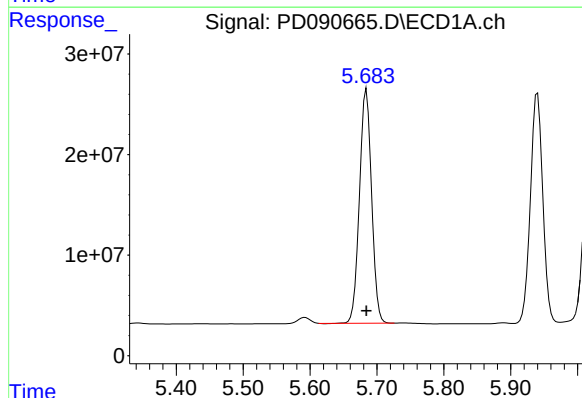
R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 343712775  
Conc: 50.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



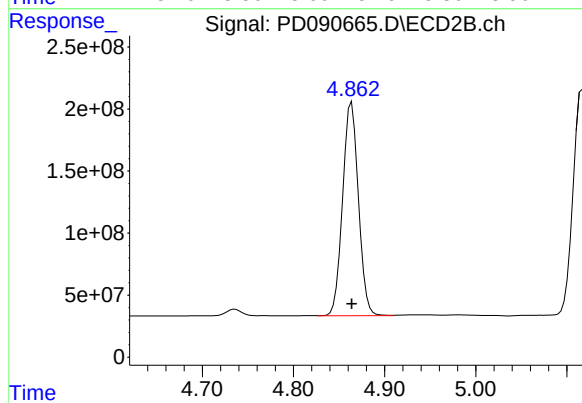
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2372178334  
Conc: 49.71 ng/ml



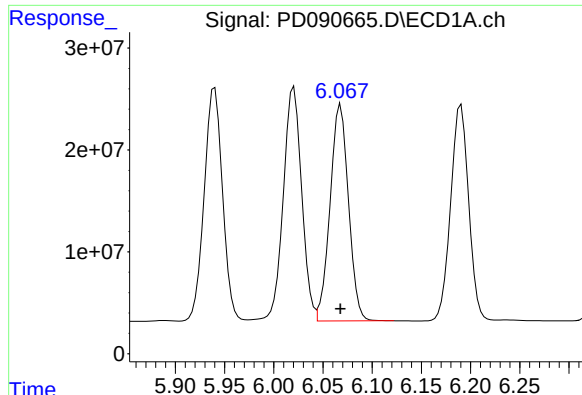
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 292086915  
Conc: 50.45 ng/ml



#8 Heptachlor epoxide

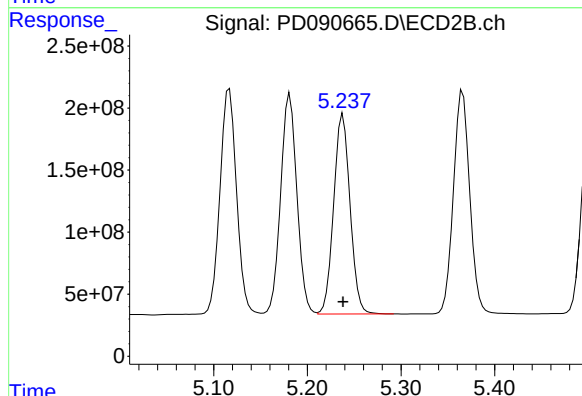
R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 2073663307  
Conc: 48.63 ng/ml



## #9 Endosulfan I

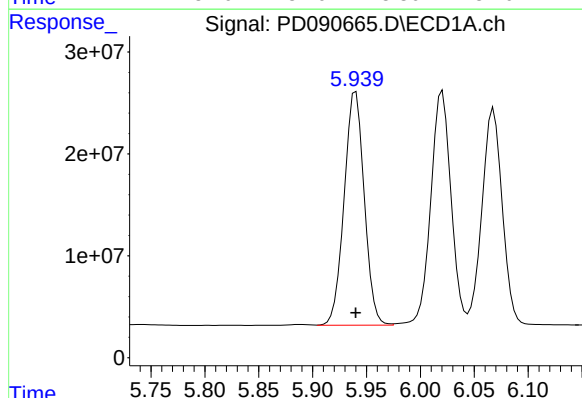
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 276731064  
Conc: 49.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



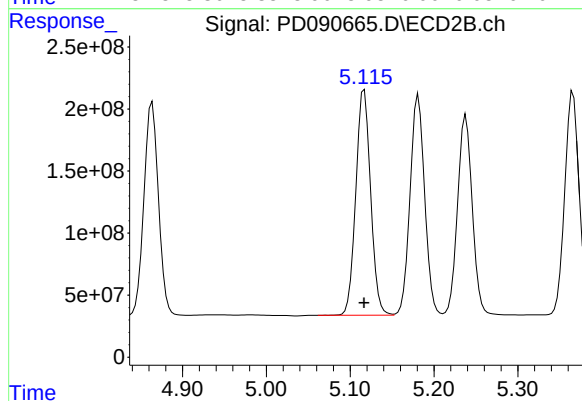
## #9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 1960516174  
Conc: 49.77 ng/ml



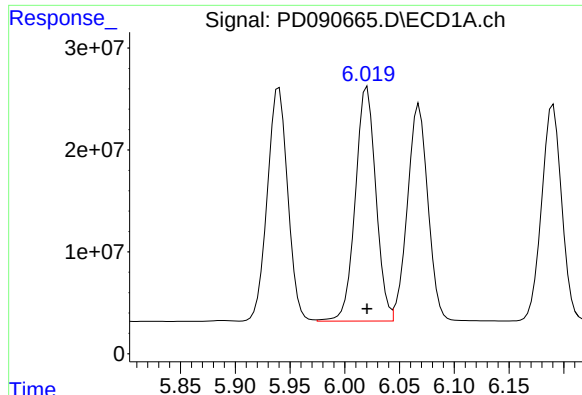
## #10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 297423108  
Conc: 50.15 ng/ml



## #10 gamma-Chlordane

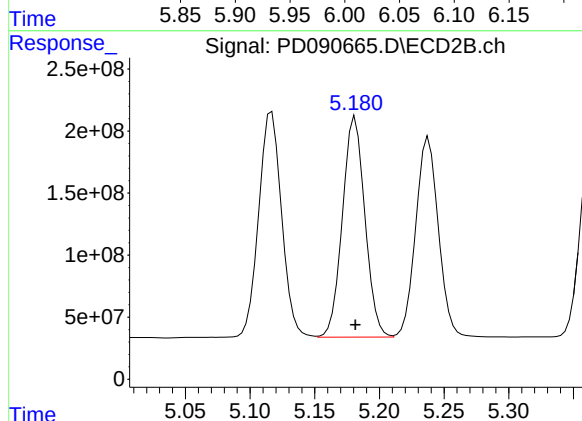
R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 2235964406  
Conc: 49.74 ng/ml



#11 alpha-Chlordane

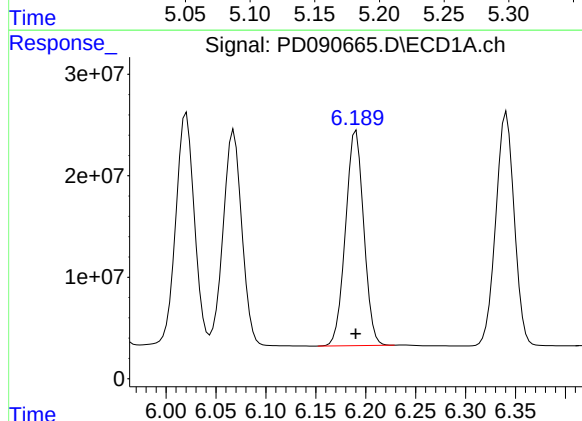
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 299573543  
Conc: 48.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



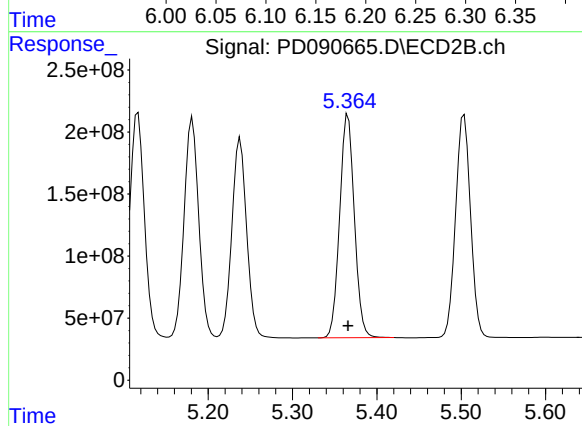
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 2144431564  
Conc: 49.71 ng/ml



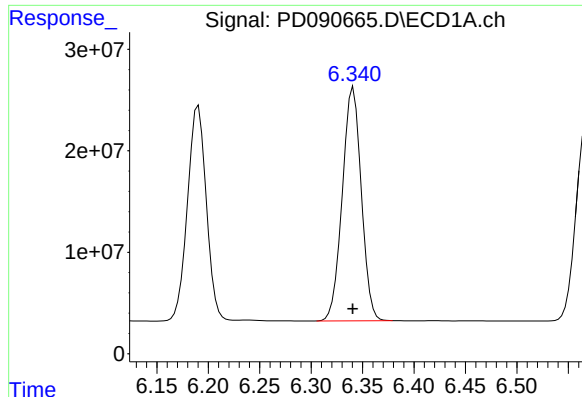
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 269131461  
Conc: 50.53 ng/ml



#12 4,4'-DDE

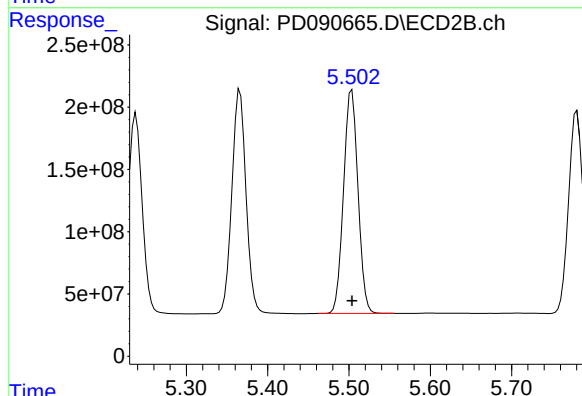
R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 2179474893  
Conc: 49.72 ng/ml



#13 Dieldrin

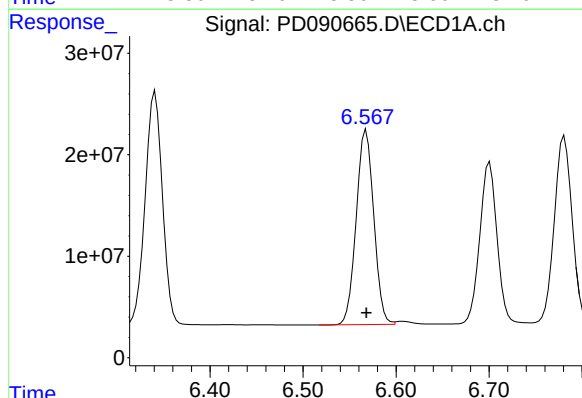
R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 295678653  
Conc: 50.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



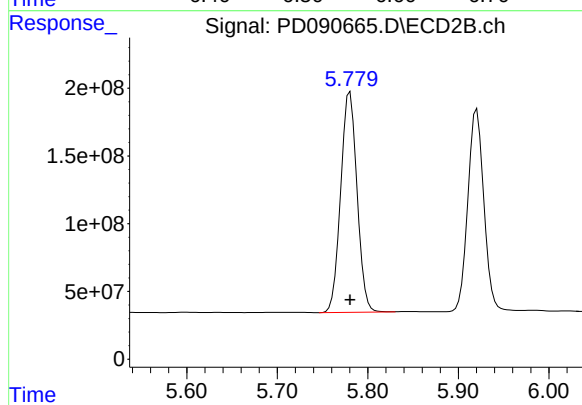
#13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: 0.000 min  
Response: 2209322407  
Conc: 50.00 ng/ml



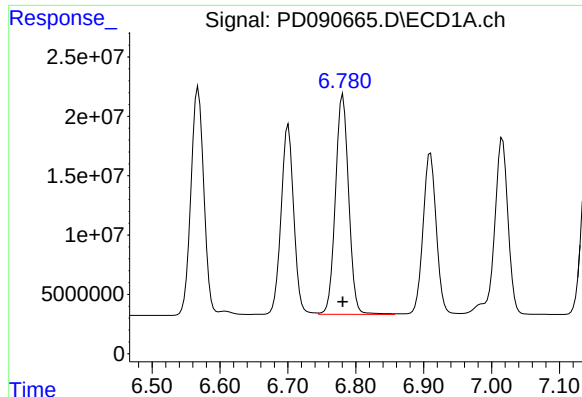
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 251765100  
Conc: 50.82 ng/ml



#14 Endrin

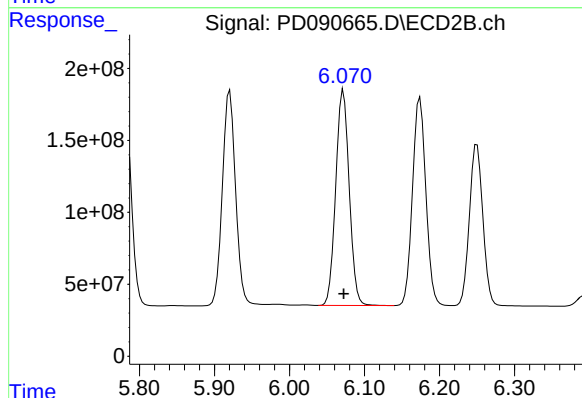
R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 2041761986  
Conc: 50.42 ng/ml



#15 Endosulfan II

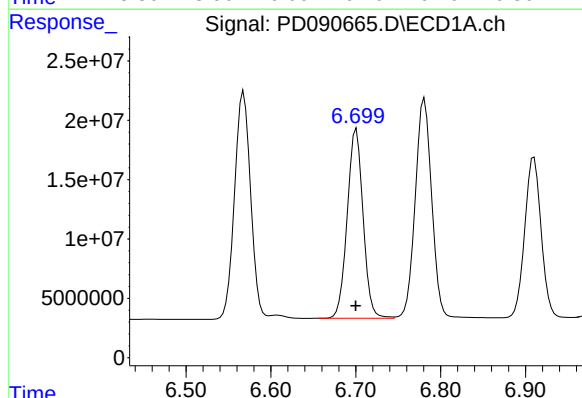
R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 251374054  
Conc: 50.28 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



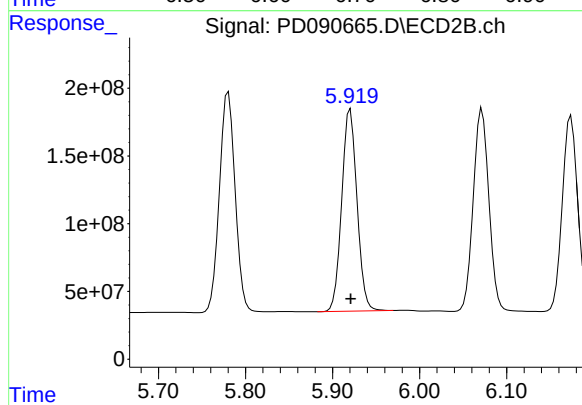
#15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 1876116999  
Conc: 49.96 ng/ml



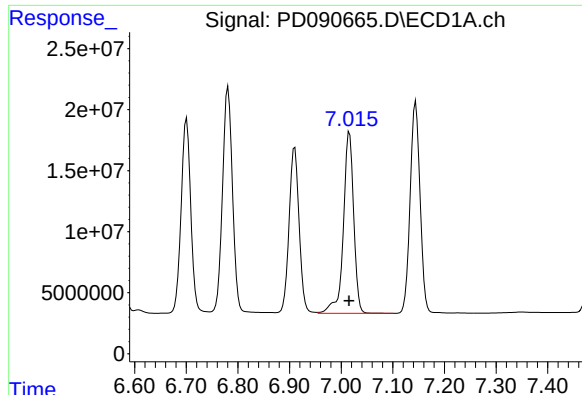
#16 4,4'-DDD

R.T.: 6.701 min  
Delta R.T.: 0.000 min  
Response: 206725943  
Conc: 50.99 ng/ml



#16 4,4'-DDD

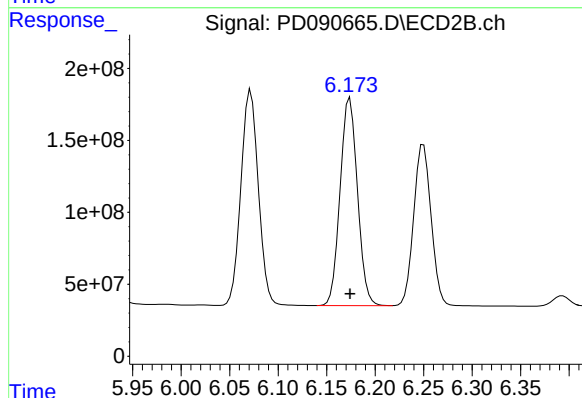
R.T.: 5.920 min  
Delta R.T.: 0.000 min  
Response: 1821049286  
Conc: 49.98 ng/ml



#17 4,4'-DDT

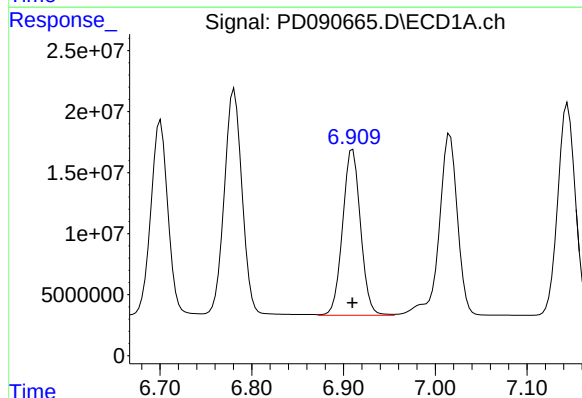
R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 206839113  
Conc: 50.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



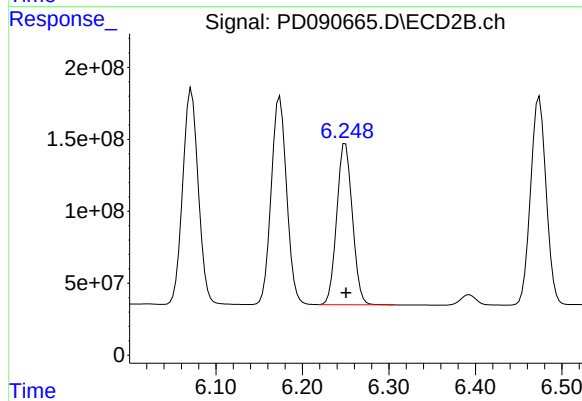
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 1798730996  
Conc: 51.29 ng/ml



#18 Endrin aldehyde

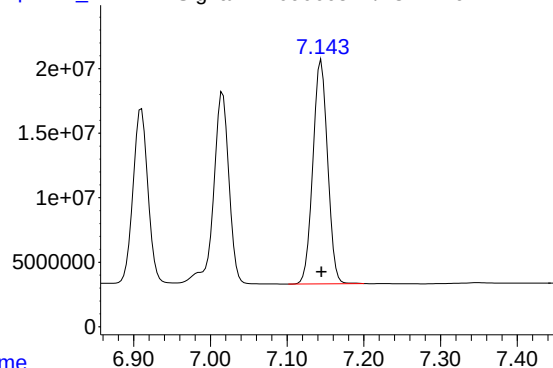
R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 184171641  
Conc: 50.28 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1401255725  
Conc: 50.60 ng/ml

Response\_ Signal: PD090665.D\ECD1A.ch

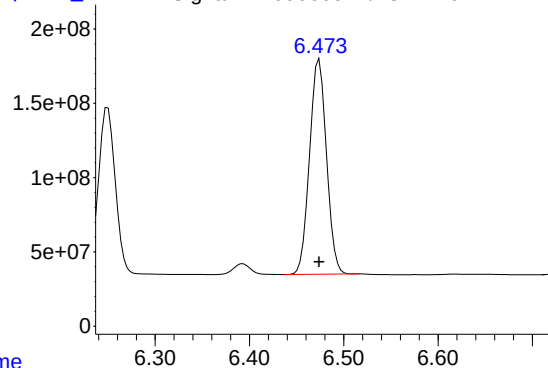


#19 Endosulfan Sulfate

R.T.: 7.144 min  
Delta R.T.: 0.000 min  
Response: 231154352  
Conc: 49.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725

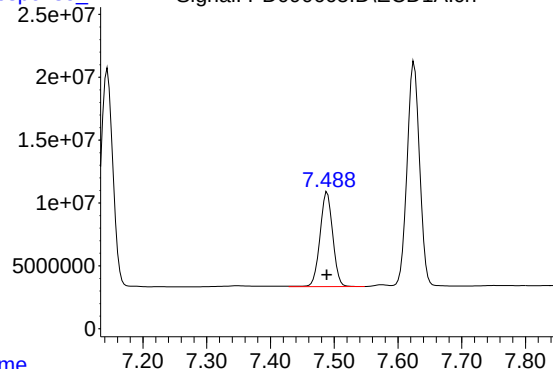
Time Response\_ Signal: PD090665.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 1808994693  
Conc: 50.47 ng/ml

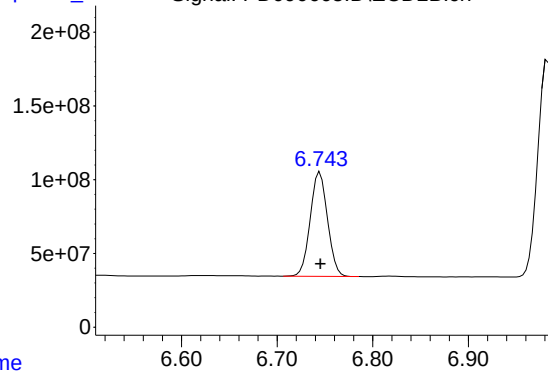
Time Response\_ Signal: PD090665.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 104150715  
Conc: 49.00 ng/ml

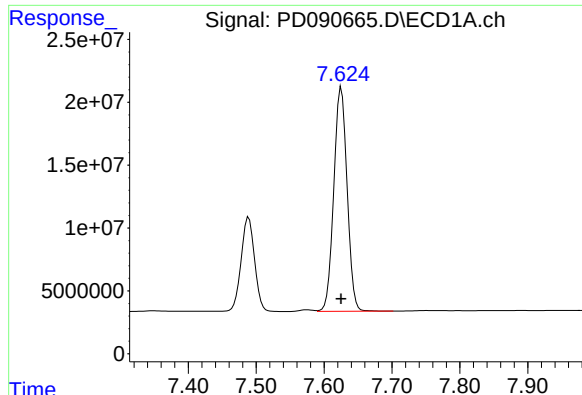
Time Response\_ Signal: PD090665.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 890144630  
Conc: 51.08 ng/ml

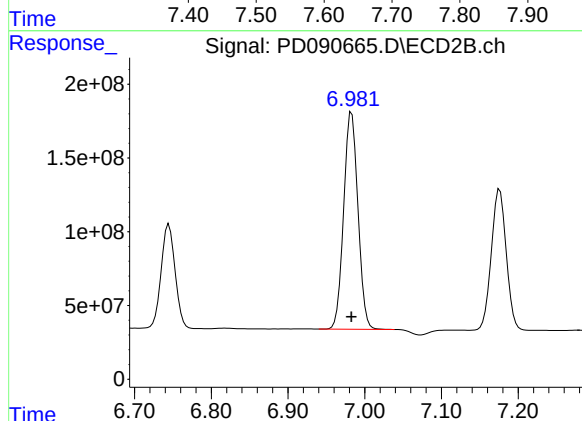




#21 Endrin ketone

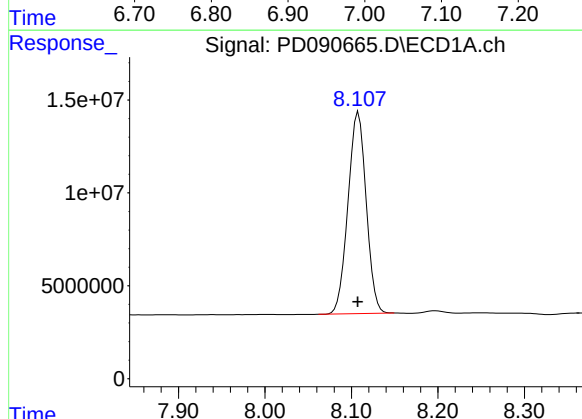
R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 242853020  
Conc: 49.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



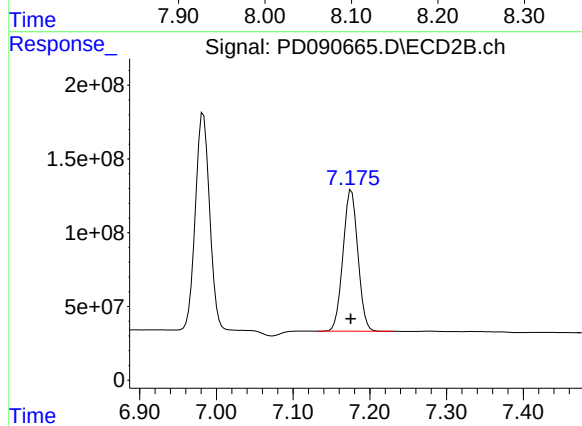
#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 1911076638  
Conc: 50.67 ng/ml



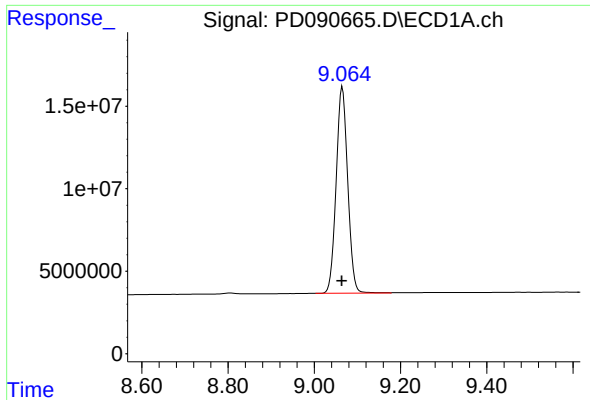
#22 Mirex

R.T.: 8.108 min  
Delta R.T.: 0.000 min  
Response: 158102045  
Conc: 49.39 ng/ml



#22 Mirex

R.T.: 7.176 min  
Delta R.T.: 0.000 min  
Response: 1294533618  
Conc: 50.39 ng/ml



#28 Decachlorobiphenyl

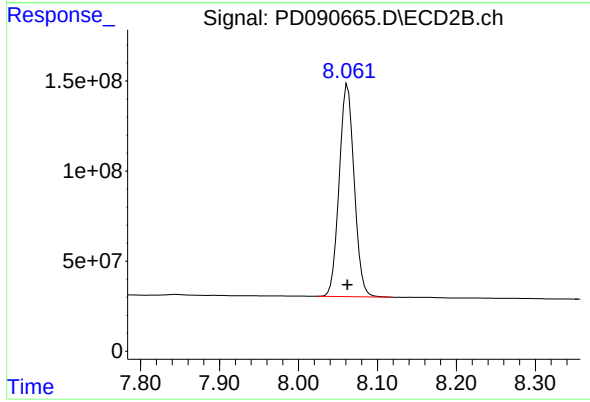
R.T.: 9.065 min

Delta R.T.: 0.000 min

Response: 232264787

Conc: 49.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725



#28 Decachlorobiphenyl

R.T.: 8.062 min

Delta R.T.: 0.000 min

Response: 1556154030

Conc: 51.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090666.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 17:50  
 Operator : AR\AJ  
 Sample : PCHLORICV500  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 ICVPD101725CHLOR

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 18:03:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.547 | 2.873 | 151.2E6  | 1640.5E6 | 48.564  | 55.094  |
| 28)                         | SA Decachlor... | 9.069 | 8.063 | 245.8E6  | 1635.1E6 | 52.541  | 53.979  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 23)                         | Chlordane-1     | 4.711 | 3.897 | 81712455 | 547.0E6  | 432.404 | 438.923 |
| 24)                         | Chlordane-2     | 5.238 | 4.479 | 83577133 | 567.3E6  | 432.751 | 434.873 |
| 25)                         | Chlordane-3     | 5.944 | 5.117 | 339.4E6  | 1711.3E6 | 444.973 | 439.739 |
| 26)                         | Chlordane-4     | 6.029 | 5.182 | 443.9E6  | 1471.1E6 | 458.160 | 440.289 |
| 27)                         | Chlordane-5     | 6.868 | 6.082 | 67446272 | 668.4E6  | 448.868 | 452.832 |
| -----                       |                 |       |       |          |          |         |         |

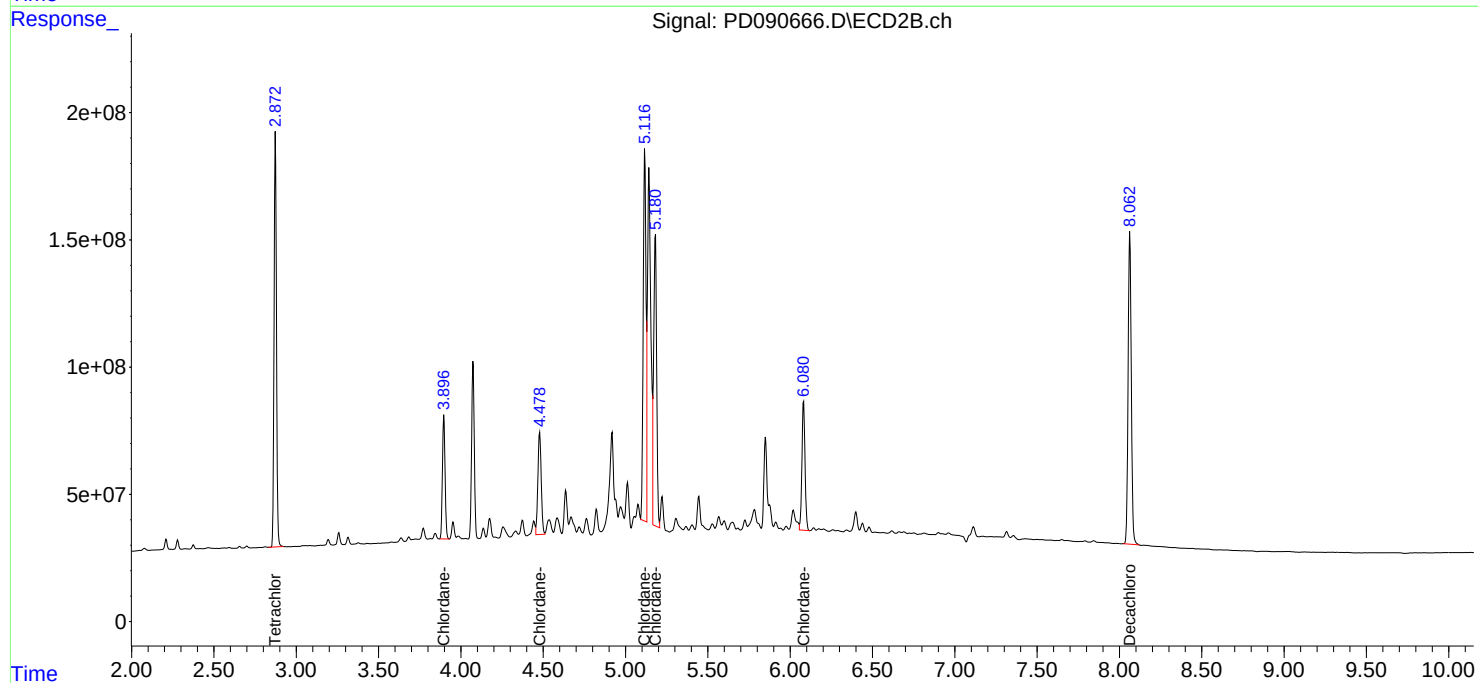
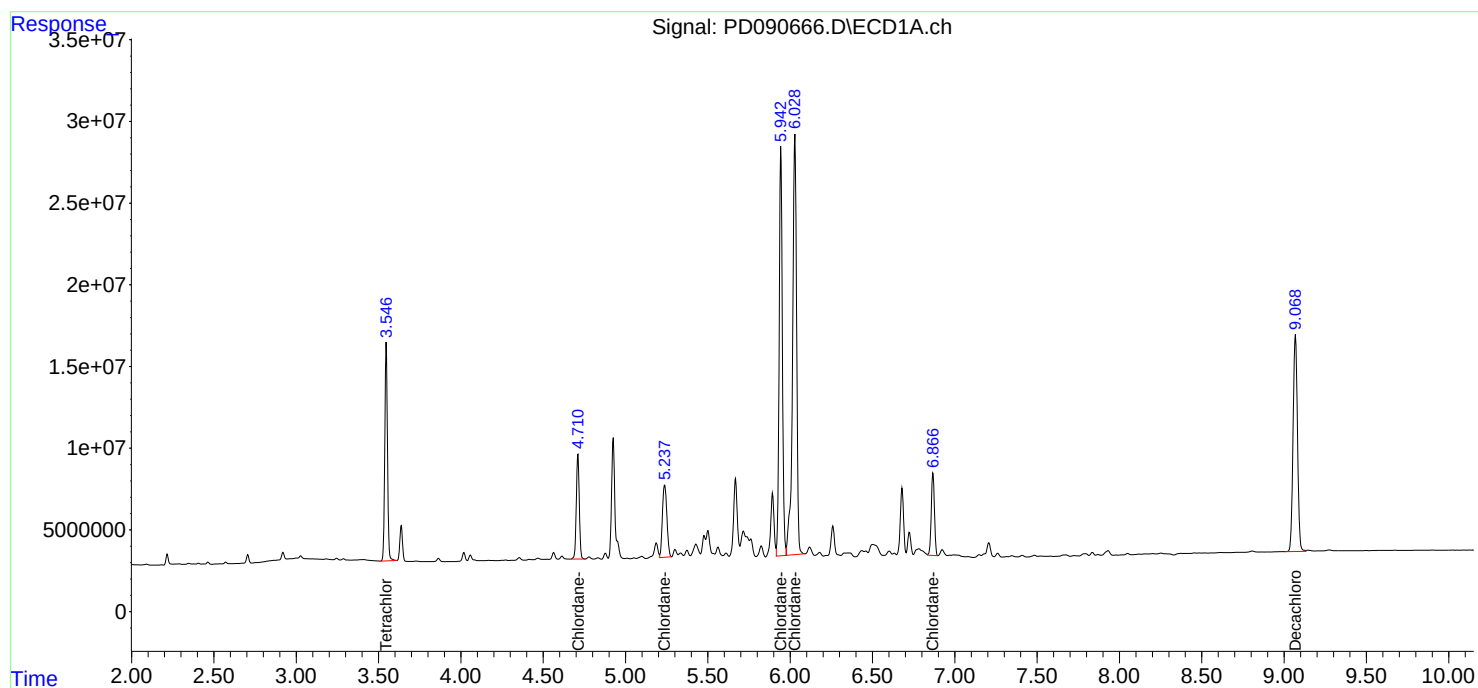
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

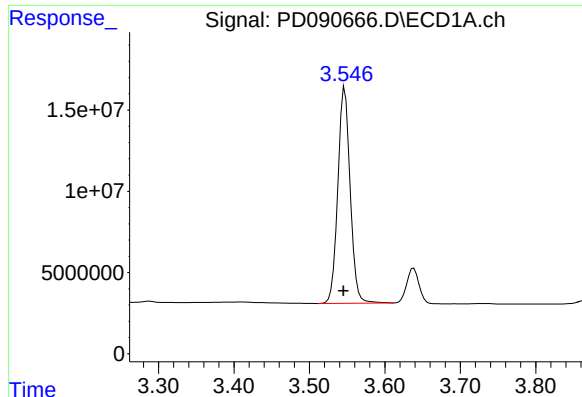
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090666.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 17:50  
Operator : AR\AJ  
Sample : PCHLORICV500  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725CHLOR

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 18:03:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

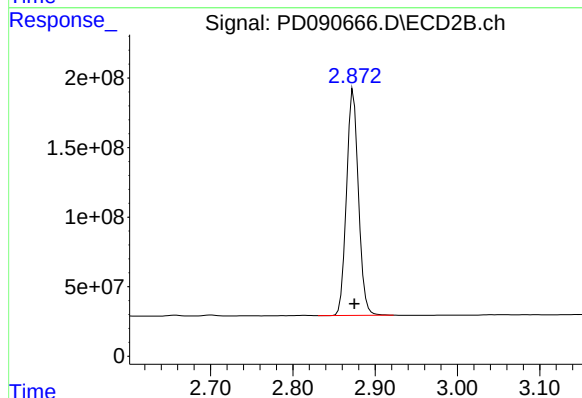




## #1 Tetrachloro-m-xylene

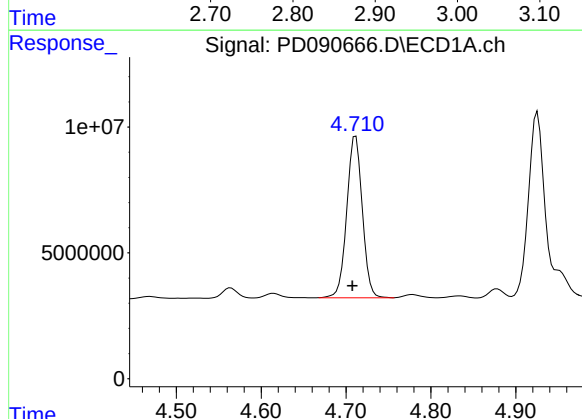
R.T.: 3.547 min  
Delta R.T.: 0.002 min  
Response: 151237324  
Conc: 48.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725CHLOR



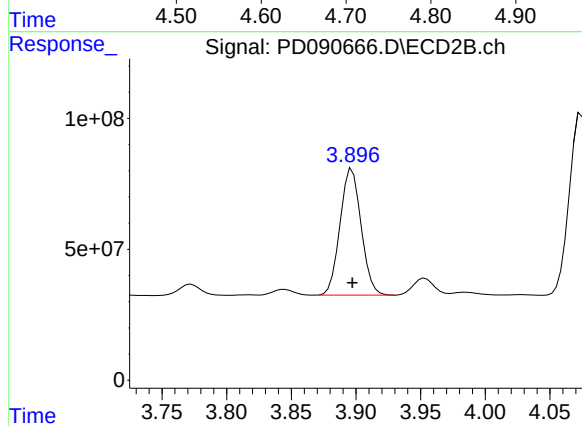
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 1640546394  
Conc: 55.09 ng/ml



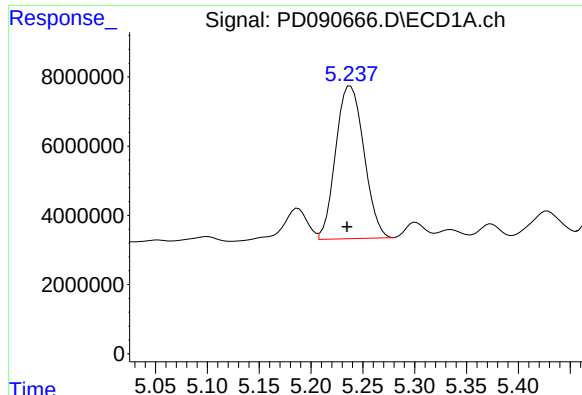
## #23 Chlordane-1

R.T.: 4.711 min  
Delta R.T.: 0.004 min  
Response: 81712455  
Conc: 432.40 ng/ml



## #23 Chlordane-1

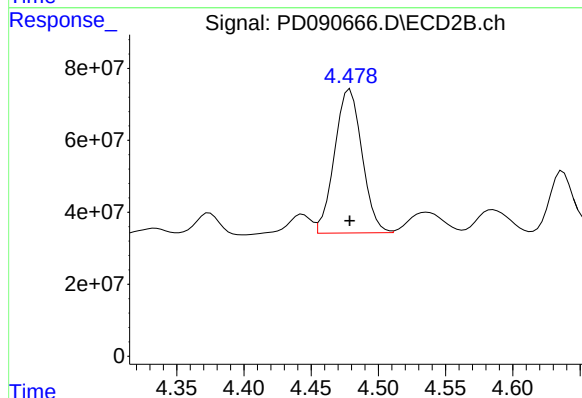
R.T.: 3.897 min  
Delta R.T.: 0.000 min  
Response: 547017680  
Conc: 438.92 ng/ml



#24 Chlordane-2

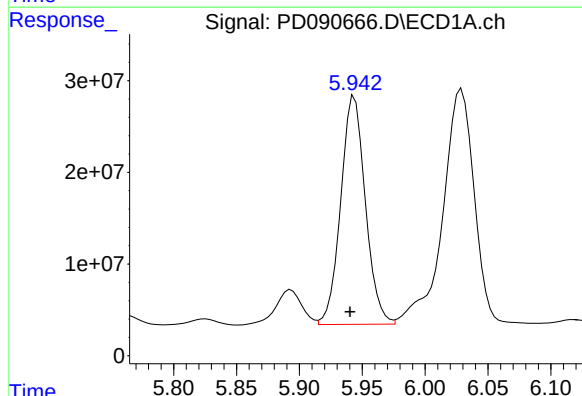
R.T.: 5.238 min  
Delta R.T.: 0.003 min  
Response: 83577133  
Conc: 432.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725CHLOR



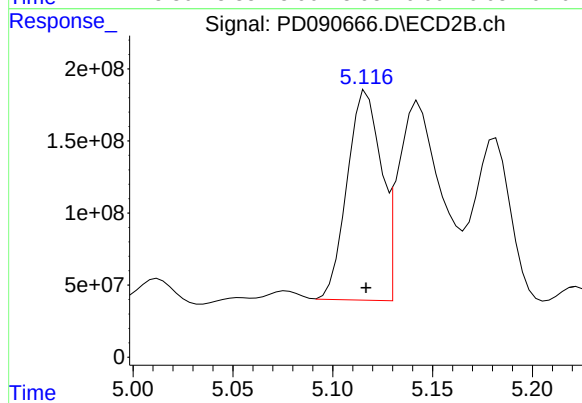
#24 Chlordane-2

R.T.: 4.479 min  
Delta R.T.: 0.000 min  
Response: 567301247  
Conc: 434.87 ng/ml



#25 Chlordane-3

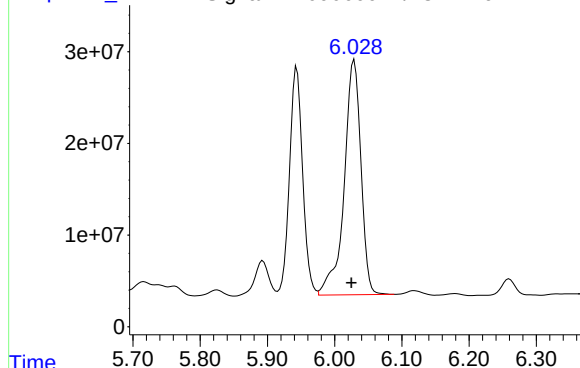
R.T.: 5.944 min  
Delta R.T.: 0.003 min  
Response: 339408061  
Conc: 444.97 ng/ml



#25 Chlordane-3

R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 1711276835  
Conc: 439.74 ng/ml

Response\_ Signal: PD090666.D\ECD1A.ch

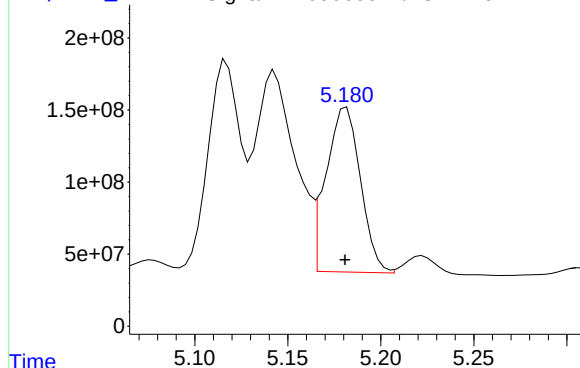


#26 Chlordane-4

R.T.: 6.029 min  
Delta R.T.: 0.004 min  
Response: 443904717  
Conc: 458.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725CHLOR

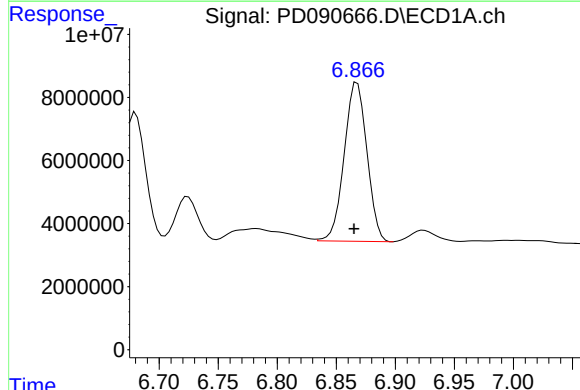
Time Response\_ Signal: PD090666.D\ECD2B.ch



#26 Chlordane-4

R.T.: 5.182 min  
Delta R.T.: 0.000 min  
Response: 1471108584  
Conc: 440.29 ng/ml

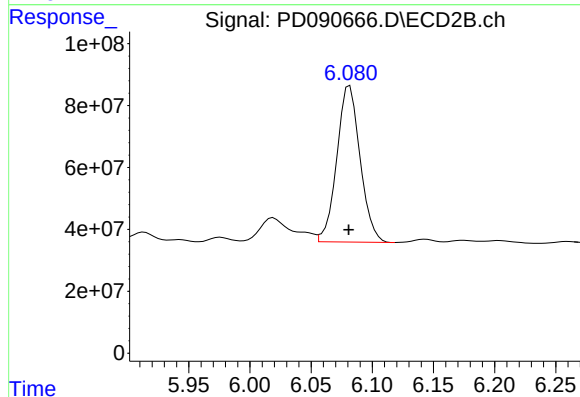
Time Response\_ Signal: PD090666.D\ECD1A.ch



#27 Chlordane-5

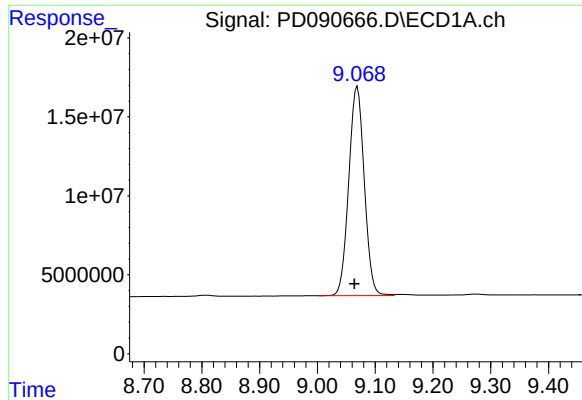
R.T.: 6.868 min  
Delta R.T.: 0.003 min  
Response: 67446272  
Conc: 448.87 ng/ml

Time Response\_ Signal: PD090666.D\ECD2B.ch



#27 Chlordane-5

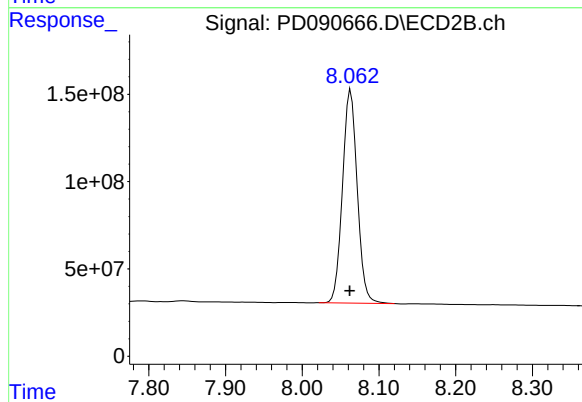
R.T.: 6.082 min  
Delta R.T.: 0.000 min  
Response: 668394616  
Conc: 452.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min  
Delta R.T.: 0.005 min  
Response: 245784139  
Conc: 52.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725CHLOR



#28 Decachlorobiphenyl

R.T.: 8.063 min  
Delta R.T.: 0.001 min  
Response: 1635082214  
Conc: 53.98 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090667.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 18:42  
 Operator : AR\AJ  
 Sample : PTOXICV500  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 ICVPD101725TOX

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 20 09:07:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 16:43:08 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

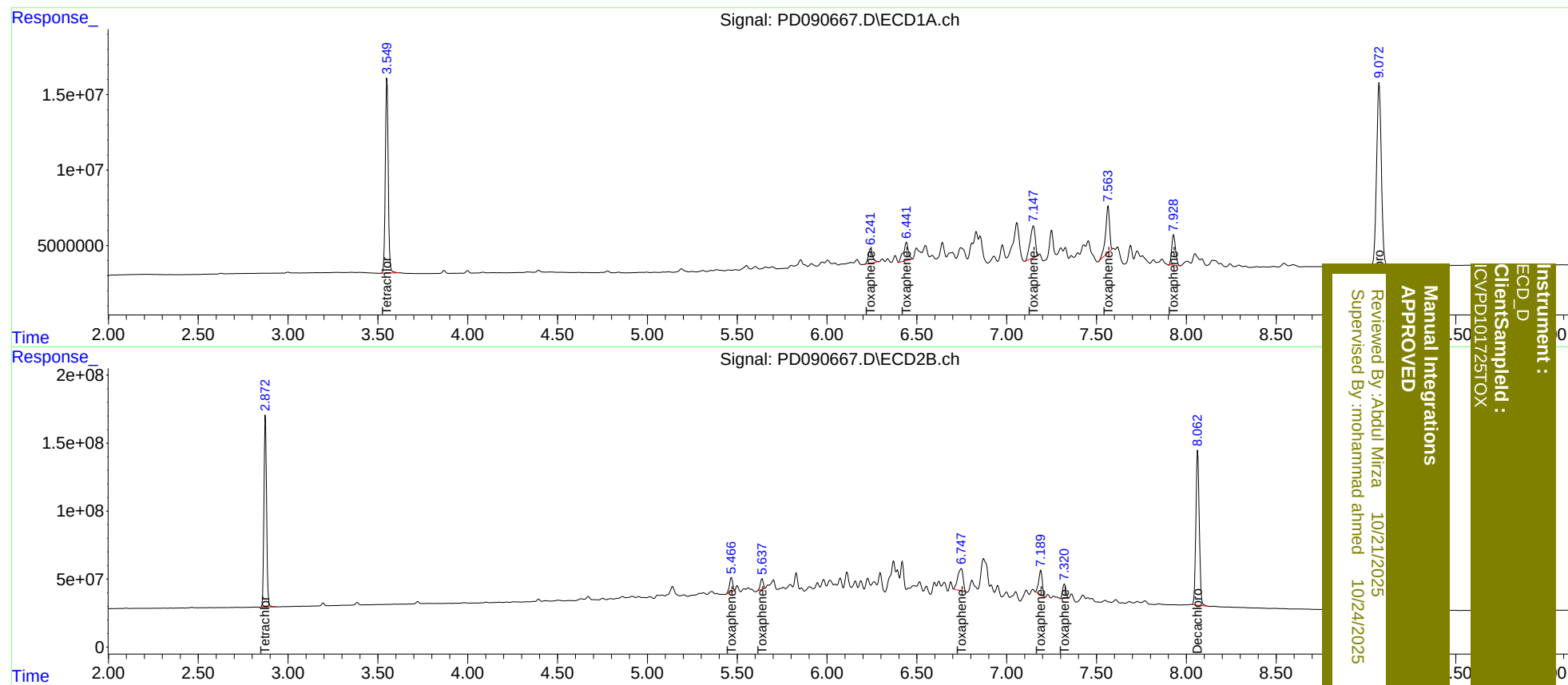
| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.550 | 2.874 | 144.8E6  | 1414.7E6 | 47.850  | 47.865   |
| 7) SA Decachlor...          | 9.073 | 8.063 | 222.4E6  | 1485.6E6 | 48.104  | 48.572   |
| Target Compounds            |       |       |          |          |         |          |
| 2) Toxaphene-1              | 6.243 | 5.468 | 16199211 | 128.4E6  | 486.326 | 472.241  |
| 3) Toxaphene-2              | 6.442 | 5.639 | 23160349 | 87664602 | 469.047 | 488.530  |
| 4) Toxaphene-3              | 7.149 | 6.748 | 41739789 | 339.6E6  | 481.161 | 526.232  |
| 5) Toxaphene-4              | 7.565 | 7.190 | 46882437 | 247.3E6  | 496.038 | 505.430  |
| 6) Toxaphene-5              | 7.930 | 7.320 | 29219348 | 133.4E6  | 485.054 | 589.259m |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090667.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 18:42  
Operator : AR\AJ  
Sample : PTOXICV500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

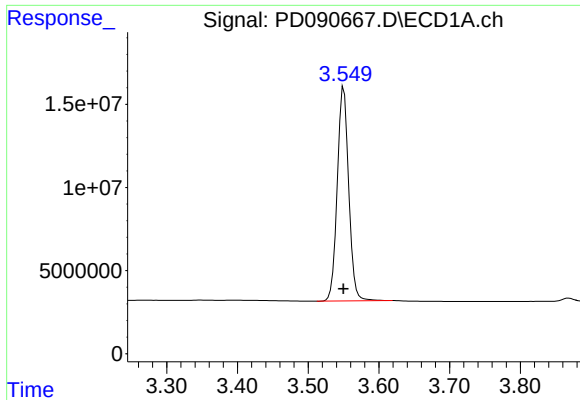
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 20 09:07:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 16:43:08 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



Manual Integrations  
APPROVED  
Reviewed By: Abdul Mirza 10/21/2025  
Supervised By: mohammad ahmed 10/24/2025

Instrument :  
ECD\_D  
Client Sample :  
ICVPD101725TOX



#1 Tetrachloro-m-xylene

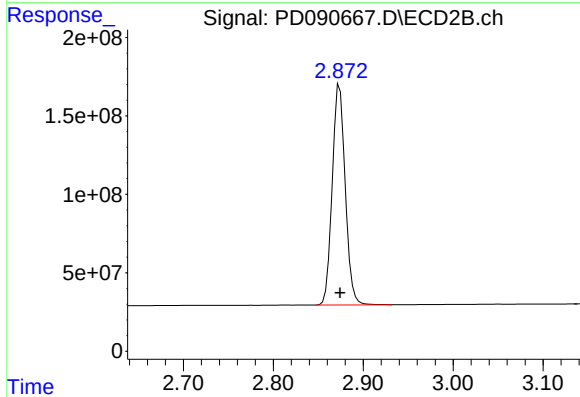
R.T.: 3.550 min  
Delta R.T.: 0.000 min  
Response: 144773410  
Conc: 47.85 ng/ml

ICAL Form

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725TOX

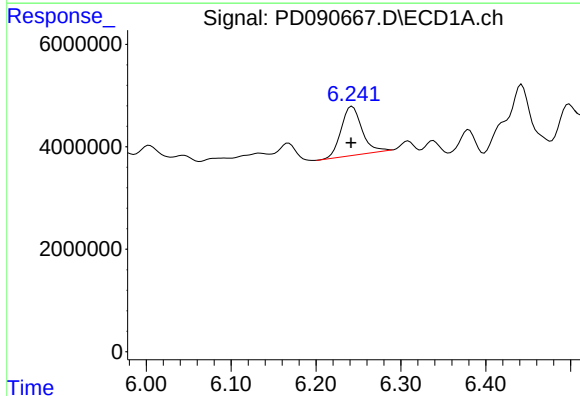
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
Supervised By :mohammad ahmed 10/24/2025



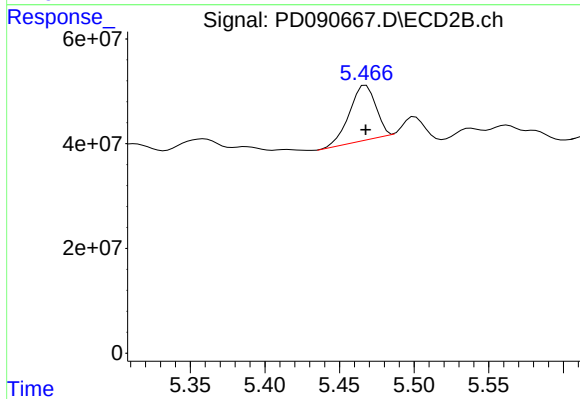
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 1414733633  
Conc: 47.87 ng/ml



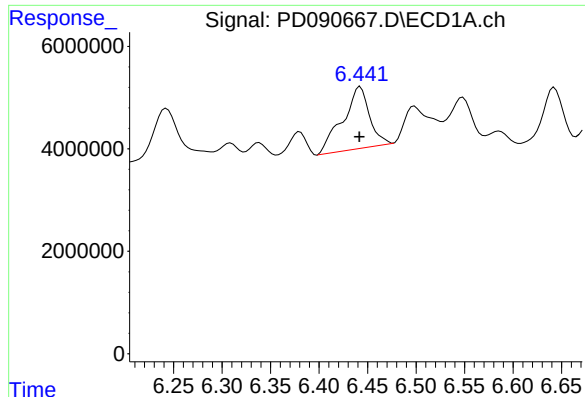
#2 Toxaphene-1

R.T.: 6.243 min  
Delta R.T.: 0.001 min  
Response: 16199211  
Conc: 486.33 ng/ml



#2 Toxaphene-1

R.T.: 5.468 min  
Delta R.T.: 0.000 min  
Response: 128400708  
Conc: 472.24 ng/ml



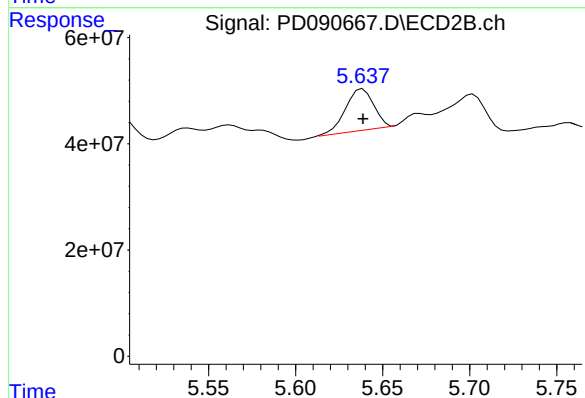
## #3 Toxaphene-2

R.T.: 6.442 min  
Delta R.T.: 0.000 min  
Response: 23160349  
Conc: 469.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725TOX

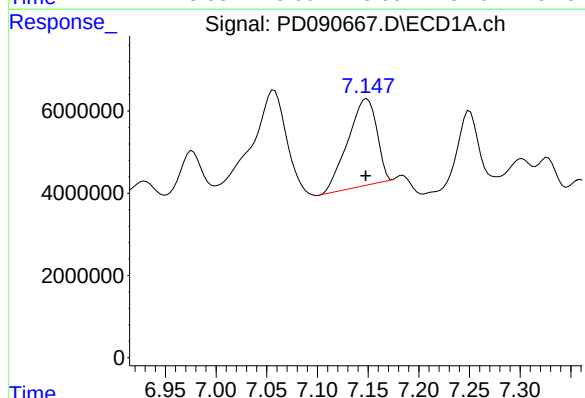
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
Supervised By :mohammad ahmed 10/24/2025



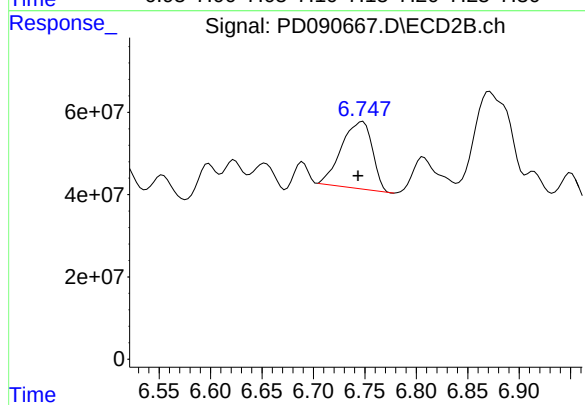
## #3 Toxaphene-2

R.T.: 5.639 min  
Delta R.T.: 0.000 min  
Response: 87664602  
Conc: 488.53 ng/ml



## #4 Toxaphene-3

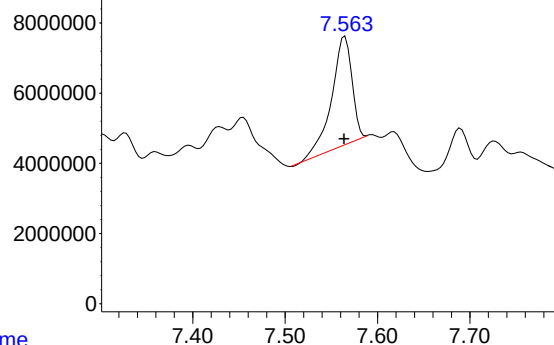
R.T.: 7.149 min  
Delta R.T.: 0.001 min  
Response: 41739789  
Conc: 481.16 ng/ml



## #4 Toxaphene-3

R.T.: 6.748 min  
Delta R.T.: 0.005 min  
Response: 339600612  
Conc: 526.23 ng/ml

Response\_ Signal: PD090667.D\ECD1A.ch



#5 Toxaphene-4

R.T.: 7.565 min  
Delta R.T.: 0.000 min  
Response: 46882437  
Conc: 496.04 ng/ml

Instrument :

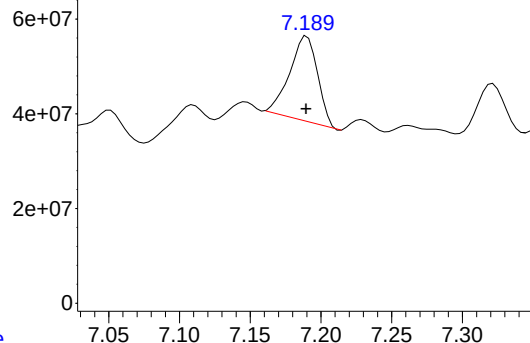
ECD\_D

ClientSampleId :  
ICVPD101725TOX

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
Supervised By :mohammad ahmed 10/24/2025

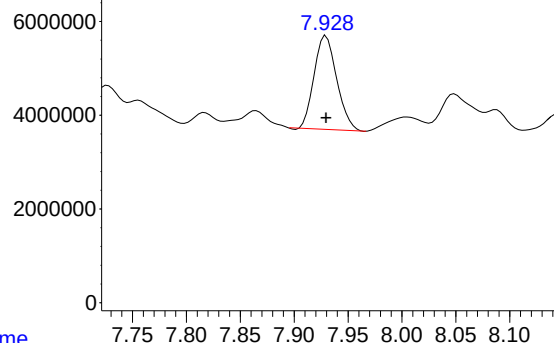
Time Response\_ Signal: PD090667.D\ECD2B.ch



#5 Toxaphene-4

R.T.: 7.190 min  
Delta R.T.: 0.000 min  
Response: 247294883  
Conc: 505.43 ng/ml

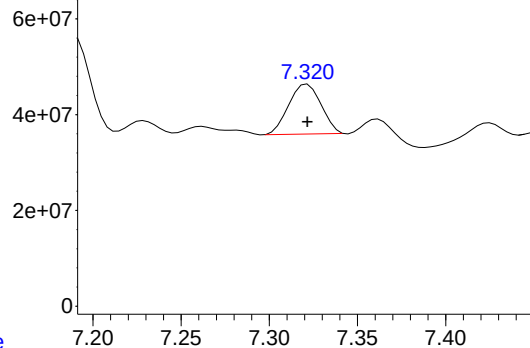
Time Response\_ Signal: PD090667.D\ECD1A.ch



#6 Toxaphene-5

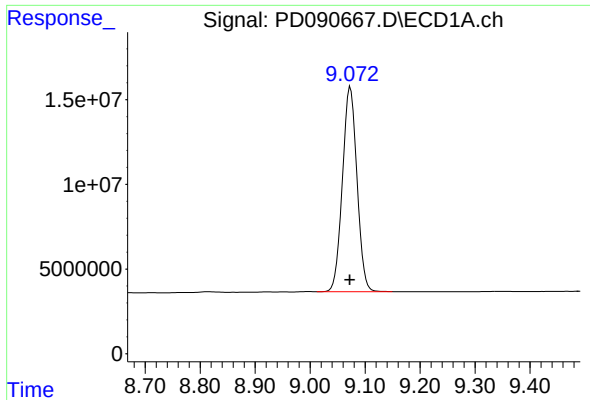
R.T.: 7.930 min  
Delta R.T.: 0.000 min  
Response: 29219348  
Conc: 485.05 ng/ml

Time Response\_ Signal: PD090667.D\ECD2B.ch



#6 Toxaphene-5

R.T.: 7.320 min  
Delta R.T.: -0.001 min  
Response: 133404883  
Conc: 589.26 ng/ml m



#7 Decachlorobiphenyl

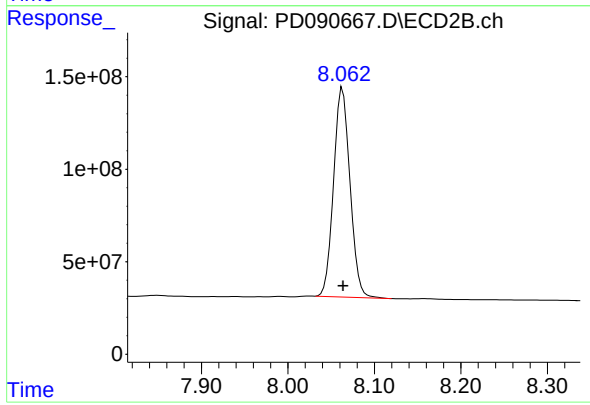
R.T.: 9.073 min  
Delta R.T.: 0.000 min  
Response: 222440569  
Conc: 48.10 ng/ml

ICAL Form

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725TOX

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
Supervised By :mohammad ahmed 10/24/2025



#7 Decachlorobiphenyl

R.T.: 8.063 min  
Delta R.T.: 0.000 min  
Response: 1485641961  
Conc: 48.57 ng/ml



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.07       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.55      | 3.45      | 3.65 | 0.01       |
| alpha-BHC            | 3.99       | 3.99      | 3.89      | 4.09 | 0.00       |
| beta-BHC             | 4.51       | 4.51      | 4.41      | 4.61 | 0.00       |
| delta-BHC            | 4.76       | 4.76      | 4.66      | 4.86 | 0.00       |
| gamma-BHC (Lindane)  | 4.32       | 4.33      | 4.23      | 4.43 | 0.01       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 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        | 6.78       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.70       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.14       | 7.15      | 7.05      | 7.25 | 0.01       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.01       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.63       | 7.63      | 7.53      | 7.73 | 0.00       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 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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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.01       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.37       | 5.37      | 5.27      | 5.47 | 0.01       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.12       | 5.12      | 5.02      | 5.22 | 0.00       |





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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/23/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.700 | 6.600     | 6.800 | 51.850             | 50.000            | 3.7  |
| 4,4'-DDE             | 6.189 | 6.090     | 6.290 | 48.380             | 50.000            | -3.2 |
| 4,4'-DDT             | 7.015 | 6.915     | 7.115 | 50.550             | 50.000            | 1.1  |
| Aldrin               | 5.264 | 5.164     | 5.364 | 48.990             | 50.000            | -2.0 |
| alpha-BHC            | 3.993 | 3.894     | 4.094 | 48.830             | 50.000            | -2.3 |
| alpha-Chlordane      | 6.020 | 5.921     | 6.121 | 47.100             | 50.000            | -5.8 |
| beta-BHC             | 4.511 | 4.412     | 4.612 | 47.710             | 50.000            | -4.6 |
| Decachlorobiphenyl   | 9.065 | 8.964     | 9.164 | 46.870             | 50.000            | -6.3 |
| delta-BHC            | 4.760 | 4.660     | 4.860 | 49.110             | 50.000            | -1.8 |
| Dieldrin             | 6.340 | 6.240     | 6.440 | 53.750             | 50.000            | 7.5  |
| Endosulfan I         | 6.067 | 5.968     | 6.168 | 48.890             | 50.000            | -2.2 |
| Endosulfan II        | 6.780 | 6.681     | 6.881 | 48.920             | 50.000            | -2.2 |
| Endosulfan sulfate   | 7.144 | 7.045     | 7.245 | 48.770             | 50.000            | -2.5 |
| Endrin               | 6.568 | 6.468     | 6.668 | 48.250             | 50.000            | -3.5 |
| Endrin aldehyde      | 6.909 | 6.810     | 7.010 | 49.870             | 50.000            | -0.3 |
| Endrin ketone        | 7.625 | 7.525     | 7.725 | 50.350             | 50.000            | 0.7  |
| gamma-BHC (Lindane)  | 4.324 | 4.225     | 4.425 | 48.700             | 50.000            | -2.6 |
| gamma-Chlordane      | 5.939 | 5.840     | 6.040 | 48.760             | 50.000            | -2.5 |
| Heptachlor           | 4.922 | 4.823     | 5.023 | 57.680             | 50.000            | 15.4 |
| Heptachlor epoxide   | 5.684 | 5.584     | 5.784 | 49.070             | 50.000            | -1.9 |
| Methoxychlor         | 7.489 | 7.388     | 7.588 | 49.740             | 50.000            | -0.5 |
| Tetrachloro-m-xylene | 3.544 | 3.445     | 3.645 | 46.980             | 50.000            | -6.0 |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/23/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.919 | 5.821     | 6.021 | 52.340             | 50.000            | 4.7  |
| 4,4'-DDE             | 5.365 | 5.266     | 5.466 | 50.620             | 50.000            | 1.2  |
| 4,4'-DDT             | 6.173 | 6.074     | 6.274 | 52.390             | 50.000            | 4.8  |
| Aldrin               | 4.359 | 4.261     | 4.461 | 49.350             | 50.000            | -1.3 |
| alpha-BHC            | 3.385 | 3.287     | 3.487 | 49.170             | 50.000            | -1.7 |
| alpha-Chlordane      | 5.180 | 5.081     | 5.281 | 50.430             | 50.000            | 0.9  |
| beta-BHC             | 4.018 | 3.919     | 4.119 | 49.080             | 50.000            | -1.8 |
| Decachlorobiphenyl   | 8.060 | 7.962     | 8.162 | 56.190             | 50.000            | 12.4 |
| delta-BHC            | 4.254 | 4.155     | 4.355 | 49.980             | 50.000            | 0.0  |
| Dieldrin             | 5.502 | 5.404     | 5.604 | 50.350             | 50.000            | 0.7  |
| Endosulfan I         | 5.237 | 5.138     | 5.338 | 49.460             | 50.000            | -1.1 |
| Endosulfan II        | 6.071 | 5.972     | 6.172 | 51.700             | 50.000            | 3.4  |
| Endosulfan sulfate   | 6.473 | 6.374     | 6.574 | 52.060             | 50.000            | 4.1  |
| Endrin               | 5.779 | 5.681     | 5.881 | 50.000             | 50.000            | 0.0  |
| Endrin aldehyde      | 6.249 | 6.150     | 6.350 | 52.230             | 50.000            | 4.5  |
| Endrin ketone        | 6.982 | 6.883     | 7.083 | 54.530             | 50.000            | 9.1  |
| gamma-BHC (Lindane)  | 3.722 | 3.623     | 3.823 | 50.900             | 50.000            | 1.8  |
| gamma-Chlordane      | 5.116 | 5.017     | 5.217 | 50.990             | 50.000            | 2.0  |
| Heptachlor           | 4.074 | 3.975     | 4.175 | 50.550             | 50.000            | 1.1  |
| Heptachlor epoxide   | 4.863 | 4.764     | 4.964 | 49.090             | 50.000            | -1.8 |
| Methoxychlor         | 6.743 | 6.645     | 6.845 | 52.100             | 50.000            | 4.2  |
| Tetrachloro-m-xylene | 2.874 | 2.775     | 2.975 | 48.790             | 50.000            | -2.4 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
 Data File : PD090777.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 09:51  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:12:21 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 146.3E6 | 1452.9E6 | 46.978 | 48.793 |
| 28)                         | SA Decachlor... | 9.065 | 8.060 | 219.2E6 | 1702.1E6 | 46.867 | 56.190 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 350.5E6 | 2512.6E6 | 48.833 | 49.175 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.722 | 331.1E6 | 2404.8E6 | 48.696 | 50.896 |
| 4)                          | MA Heptachlor   | 4.922 | 4.074 | 322.4E6 | 2254.9E6 | 57.678 | 50.555 |
| 5)                          | MB Aldrin       | 5.264 | 4.359 | 320.7E6 | 2285.6E6 | 48.989 | 49.345 |
| 6)                          | B beta-BHC      | 4.511 | 4.018 | 125.0E6 | 973.3E6  | 47.705 | 49.085 |
| 7)                          | B delta-BHC     | 4.760 | 4.254 | 332.1E6 | 2384.8E6 | 49.115 | 49.979 |
| 8)                          | B Heptachlo...  | 5.684 | 4.863 | 284.1E6 | 2093.1E6 | 49.067 | 49.090 |
| 9)                          | A Endosulfan I  | 6.067 | 5.237 | 270.7E6 | 1948.2E6 | 48.888 | 49.458 |
| 10)                         | B gamma-Chl...  | 5.939 | 5.116 | 289.2E6 | 2291.8E6 | 48.757 | 50.986 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.180 | 291.1E6 | 2175.6E6 | 47.103 | 50.434 |
| 12)                         | B 4,4'-DDE      | 6.189 | 5.365 | 257.7E6 | 2219.0E6 | 48.377 | 50.618 |
| 13)                         | MA Dieldrin     | 6.340 | 5.502 | 313.4E6 | 2224.6E6 | 53.748 | 50.349 |
| 14)                         | MA Endrin       | 6.568 | 5.779 | 239.0E6 | 2024.8E6 | 48.254 | 50.003 |
| 15)                         | B Endosulfa...  | 6.780 | 6.071 | 244.6E6 | 1941.7E6 | 48.924 | 51.703 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.919 | 210.2E6 | 1907.1E6 | 51.854 | 52.339 |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.173 | 207.8E6 | 1837.5E6 | 50.549 | 52.391 |
| 18)                         | B Endrin al...  | 6.909 | 6.249 | 182.7E6 | 1446.3E6 | 49.871 | 52.227 |
| 19)                         | B Endosulfa...  | 7.144 | 6.473 | 226.2E6 | 1865.9E6 | 48.767 | 52.056 |
| 20)                         | A Methoxychlor  | 7.489 | 6.743 | 105.7E6 | 907.9E6  | 49.743 | 52.098 |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 244.7E6 | 2056.8E6 | 50.353 | 54.530 |
| 22)                         | Mirex           | 8.107 | 7.174 | 157.6E6 | 1380.4E6 | 49.248 | 53.730 |
| -----                       |                 |       |       |         |          |        |        |

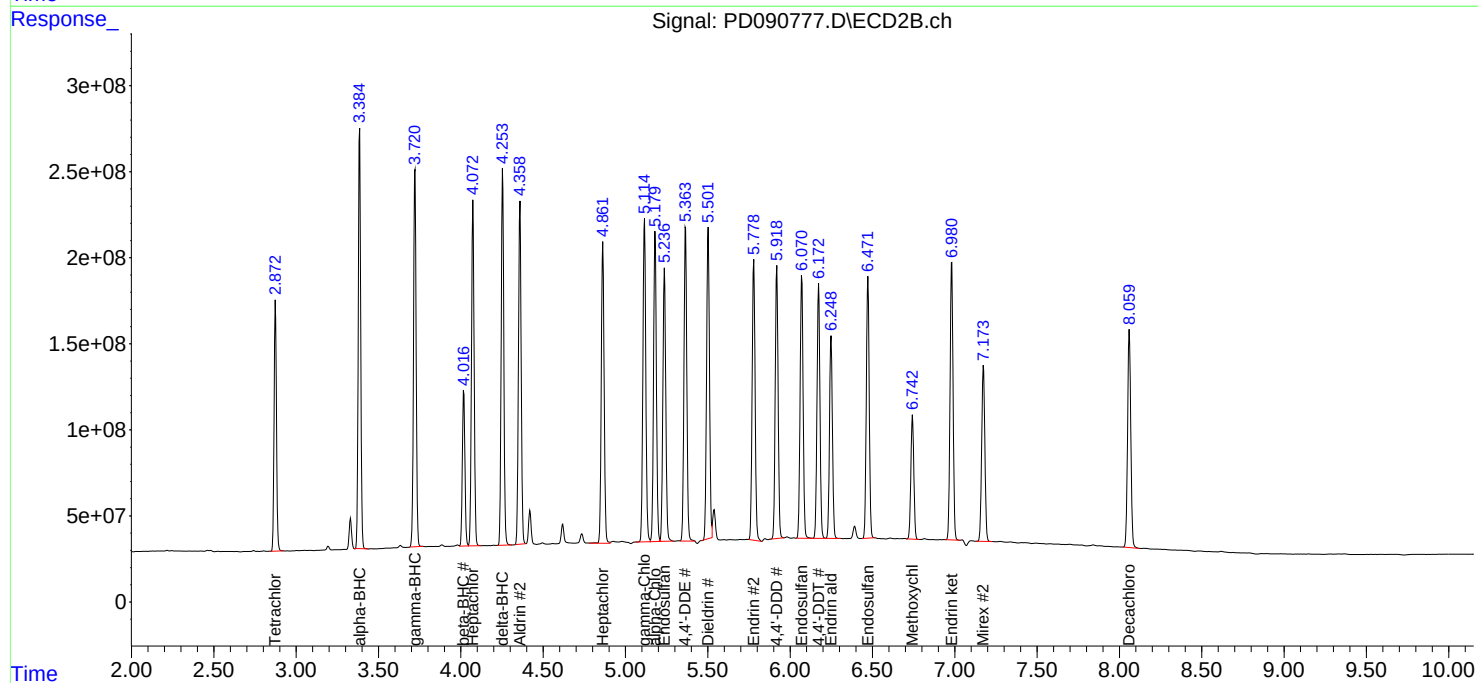
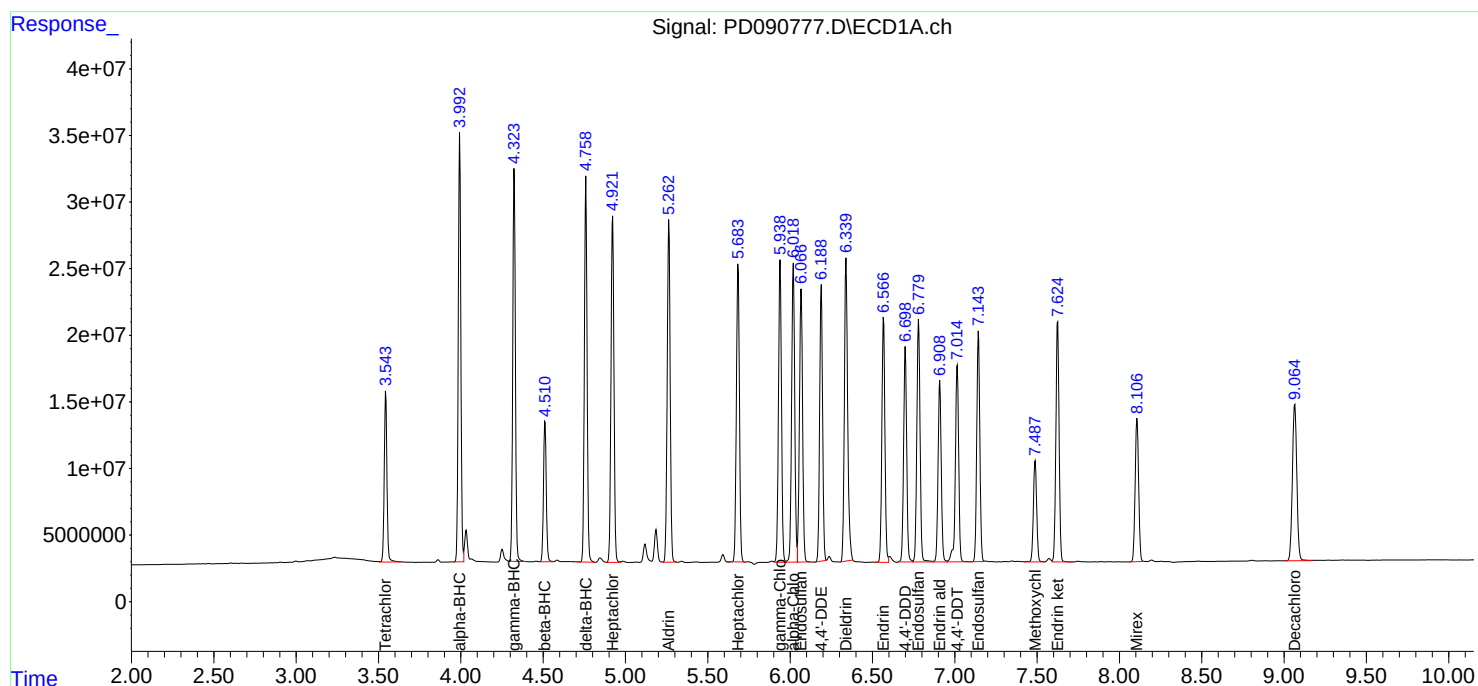
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

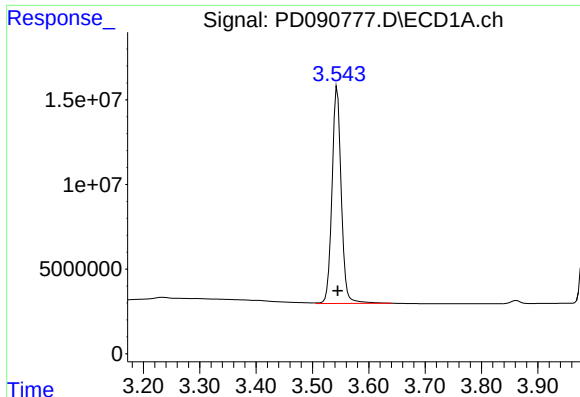
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090777.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 09:51  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:12:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

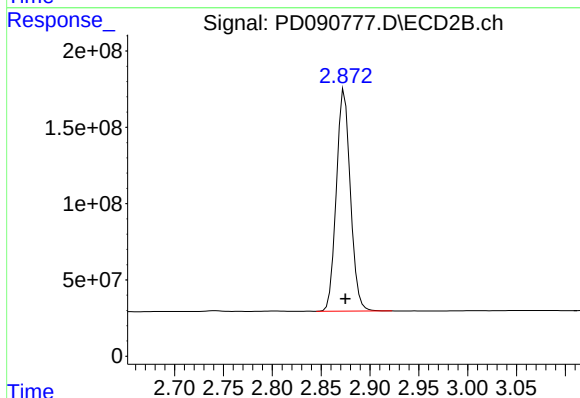




## #1 Tetrachloro-m-xylene

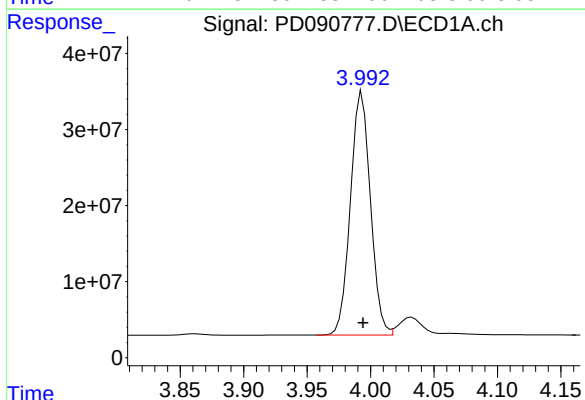
R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 146297326  
Conc: 46.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



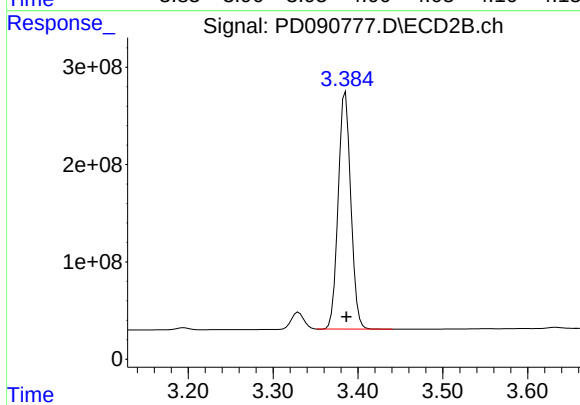
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 1452926859  
Conc: 48.79 ng/ml



## #2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 350478761  
Conc: 48.83 ng/ml



## #2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.001 min  
Response: 2512630991  
Conc: 49.17 ng/ml

Response\_

Signal: PD090777.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.324 min

Delta R.T.: 0.000 min

Response: 331077632

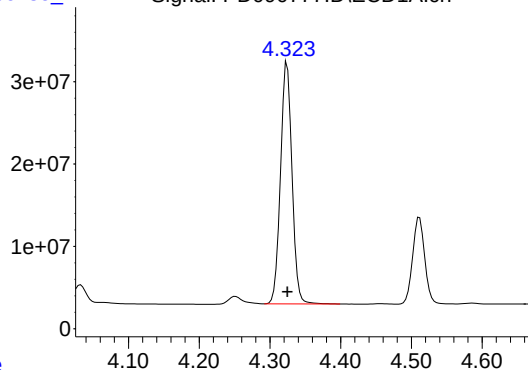
Conc: 48.70 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PSTDCCC050



Time

Response

Signal: PD090777.D\ECD2B.ch

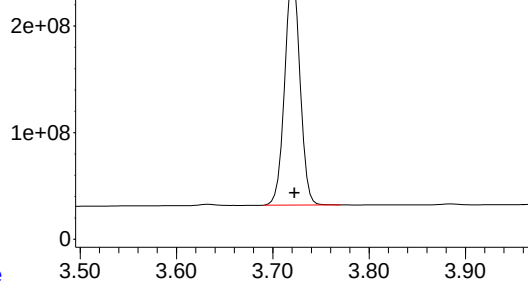
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 2404779439

Conc: 50.90 ng/ml



Time

Response\_

Signal: PD090777.D\ECD1A.ch

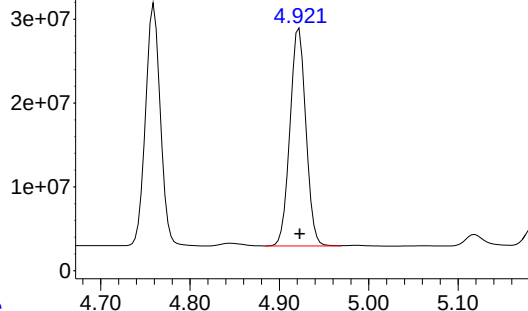
#4 Heptachlor

R.T.: 4.922 min

Delta R.T.: 0.000 min

Response: 322394440

Conc: 57.68 ng/ml



Time

Response

Signal: PD090777.D\ECD2B.ch

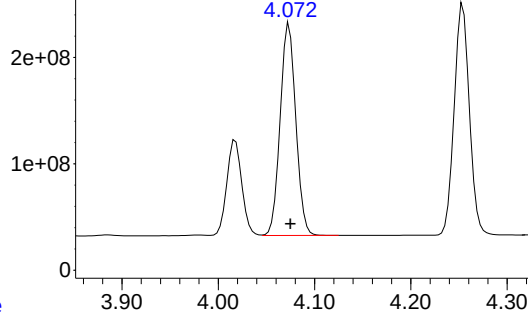
#4 Heptachlor

R.T.: 4.074 min

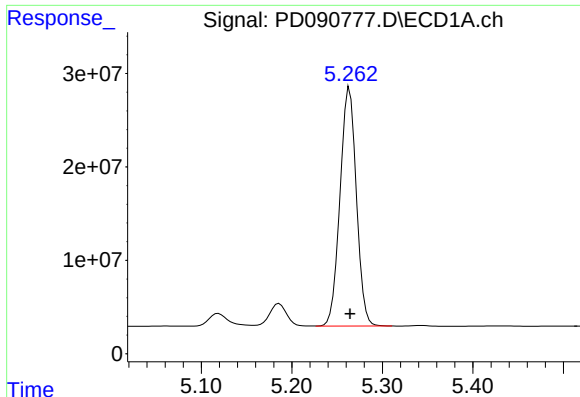
Delta R.T.: -0.001 min

Response: 2254880699

Conc: 50.55 ng/ml



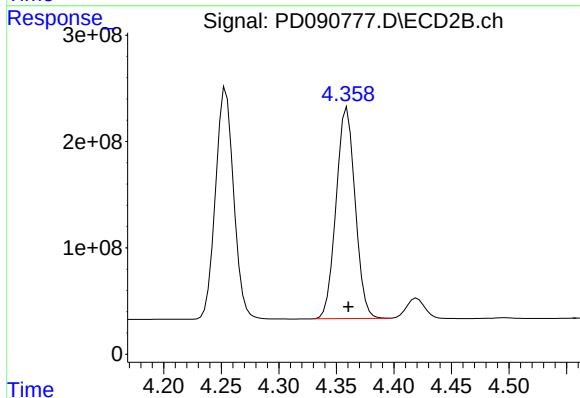
Time



#5 Aldrin

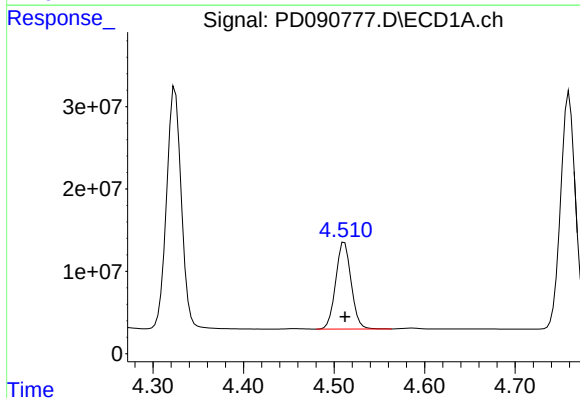
R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 320744754  
Conc: 48.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



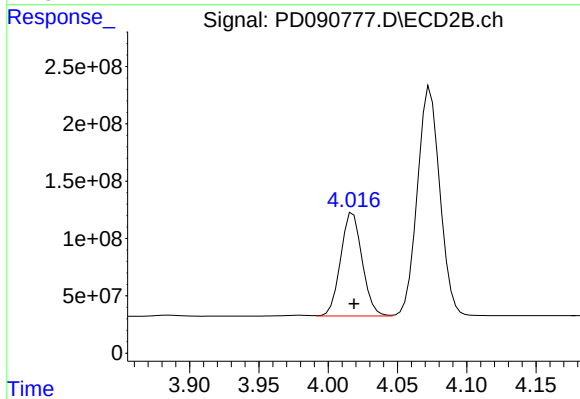
#5 Aldrin

R.T.: 4.359 min  
Delta R.T.: -0.001 min  
Response: 2285608431  
Conc: 49.35 ng/ml



#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: 0.000 min  
Response: 124969536  
Conc: 47.71 ng/ml

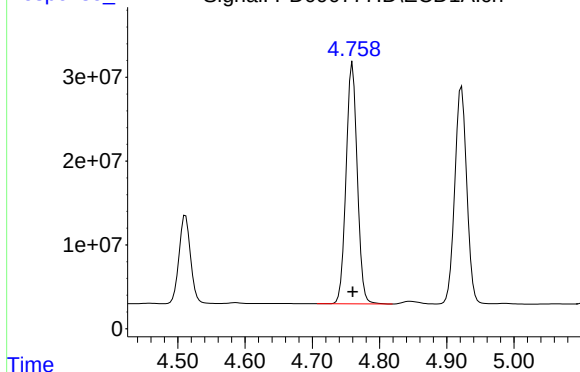


#6 beta-BHC

R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 973332572  
Conc: 49.08 ng/ml

Response\_ Signal: PD090777.D\ECD1A.ch

#7 delta-BHC

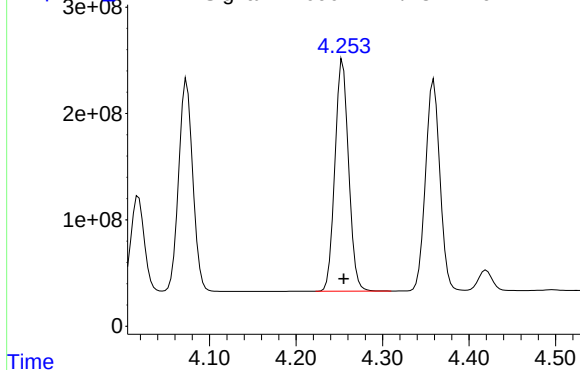


R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 332101981  
Conc: 49.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Time Response\_ Signal: PD090777.D\ECD2B.ch

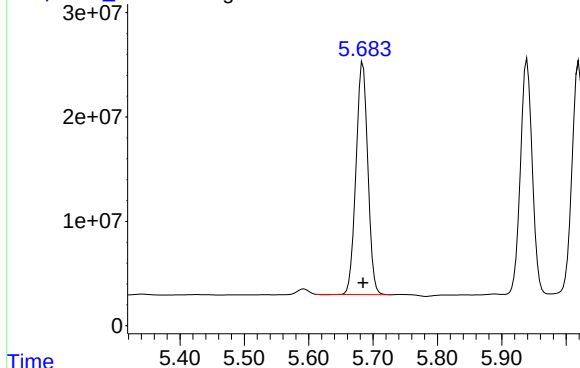
#7 delta-BHC



R.T.: 4.254 min  
Delta R.T.: -0.001 min  
Response: 2384829412  
Conc: 49.98 ng/ml

Time Response\_ Signal: PD090777.D\ECD1A.ch

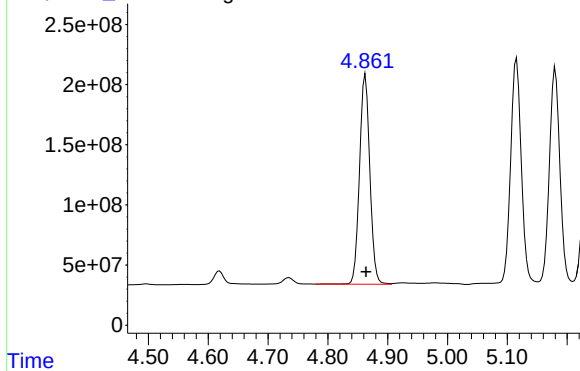
#8 Heptachlor epoxide



R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 284053551  
Conc: 49.07 ng/ml

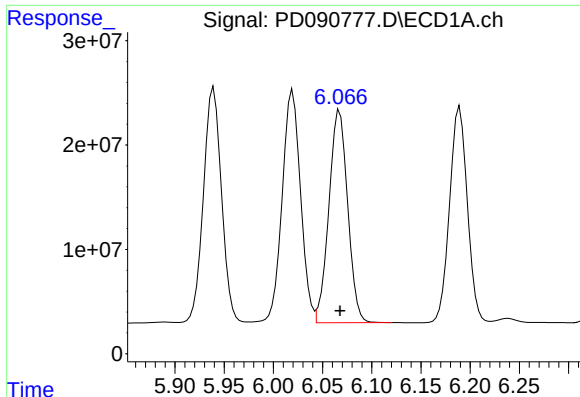
Time Response\_ Signal: PD090777.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.863 min  
Delta R.T.: -0.001 min  
Response: 2093127019  
Conc: 49.09 ng/ml

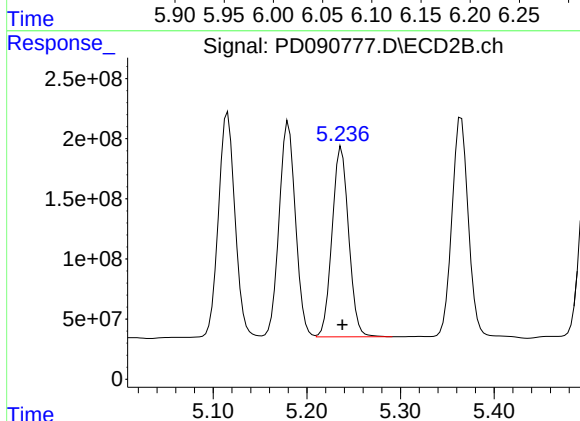




## #9 Endosulfan I

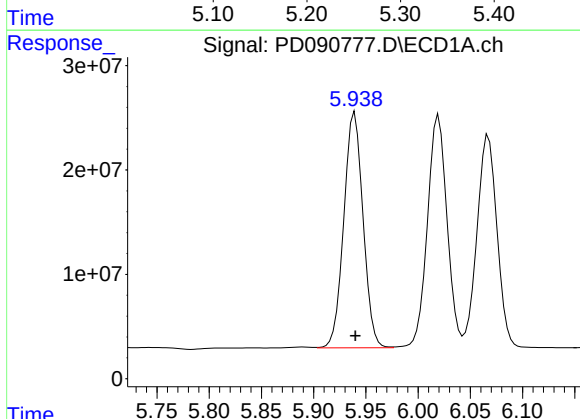
R.T.: 6.067 min  
Delta R.T.: 0.000 min  
Response: 270676343  
Conc: 48.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



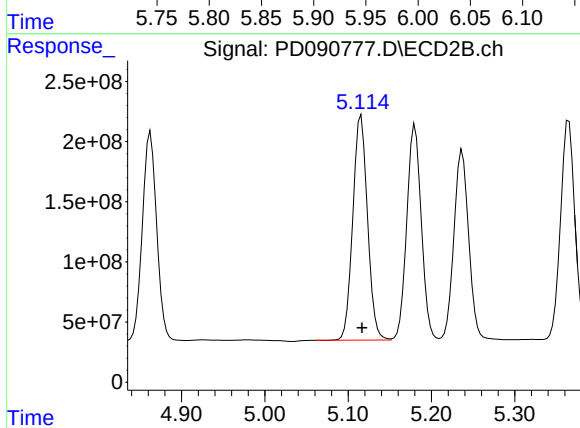
## #9 Endosulfan I

R.T.: 5.237 min  
Delta R.T.: -0.001 min  
Response: 1948170165  
Conc: 49.46 ng/ml



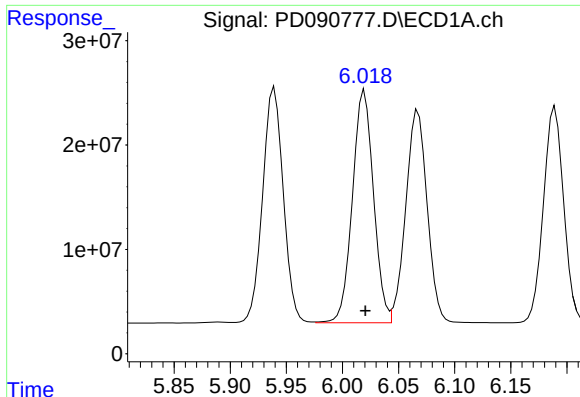
## #10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 289188913  
Conc: 48.76 ng/ml



## #10 gamma-Chlordane

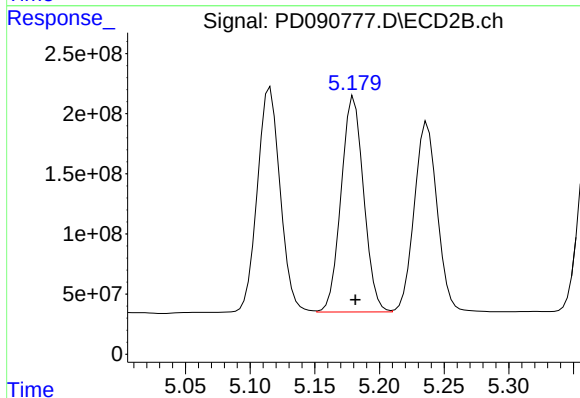
R.T.: 5.116 min  
Delta R.T.: -0.001 min  
Response: 2291760095  
Conc: 50.99 ng/ml



#11 alpha-Chlordane

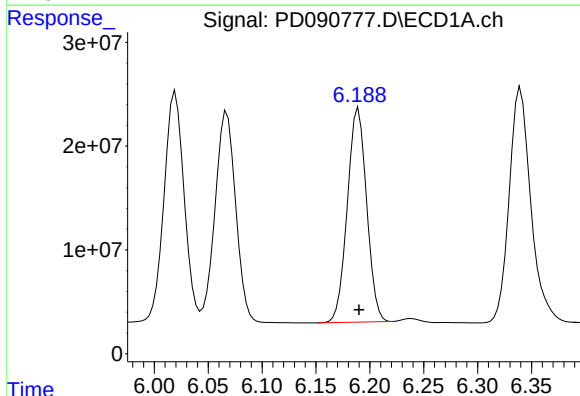
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 291107579  
Conc: 47.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



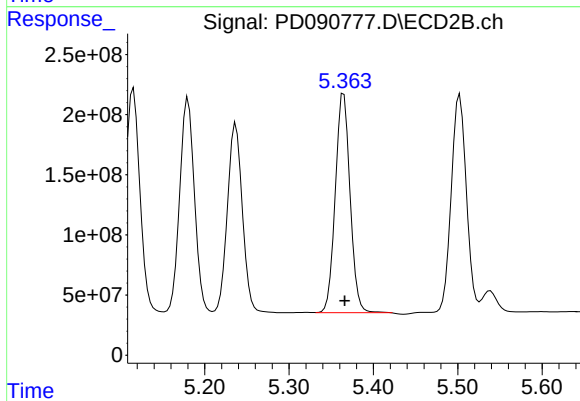
#11 alpha-Chlordane

R.T.: 5.180 min  
Delta R.T.: -0.001 min  
Response: 2175620067  
Conc: 50.43 ng/ml



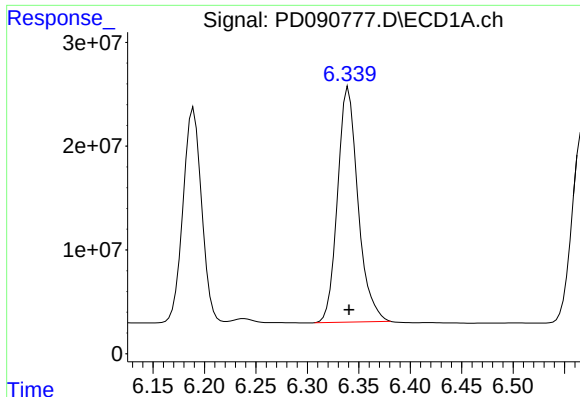
#12 4,4'-DDE

R.T.: 6.189 min  
Delta R.T.: 0.000 min  
Response: 257688134  
Conc: 48.38 ng/ml



#12 4,4'-DDE

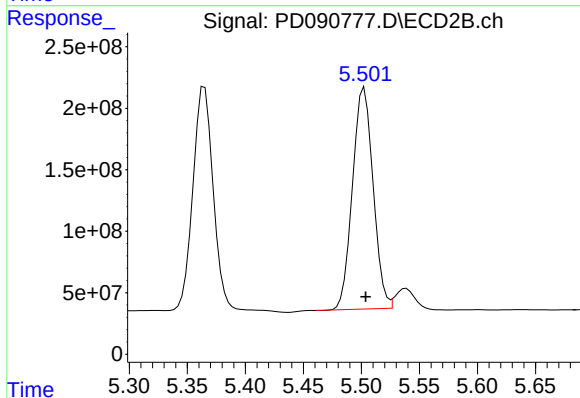
R.T.: 5.365 min  
Delta R.T.: -0.001 min  
Response: 2219002157  
Conc: 50.62 ng/ml



#13 Dieldrin

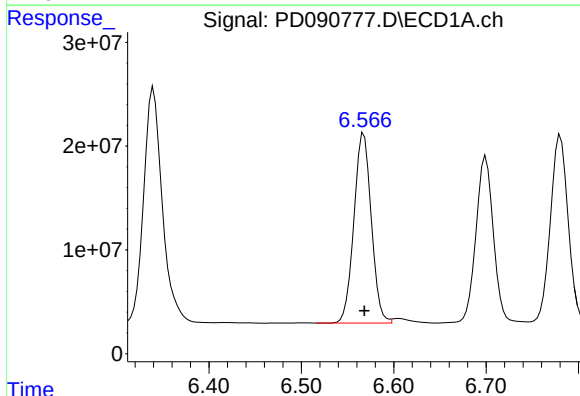
R.T.: 6.340 min  
Delta R.T.: 0.000 min  
Response: 313425264  
Conc: 53.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



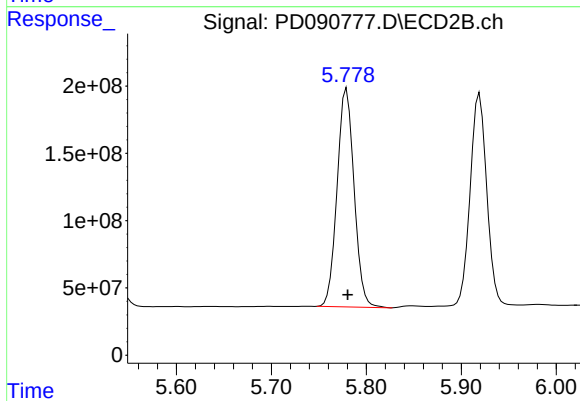
#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: -0.001 min  
Response: 2224615417  
Conc: 50.35 ng/ml



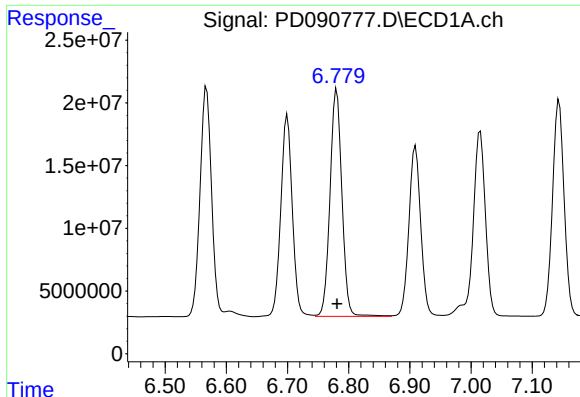
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 239037714  
Conc: 48.25 ng/ml



#14 Endrin

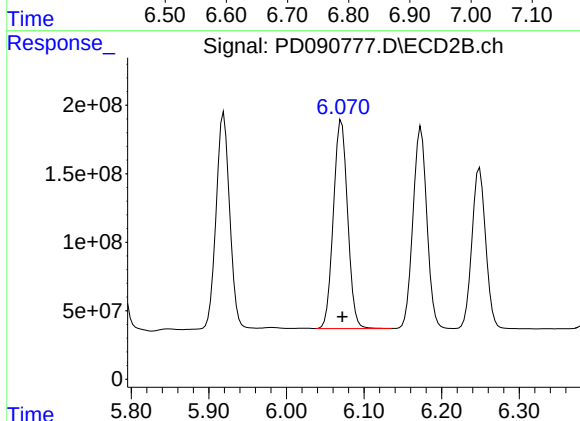
R.T.: 5.779 min  
Delta R.T.: -0.001 min  
Response: 2024799496  
Conc: 50.00 ng/ml



#15 Endosulfan II

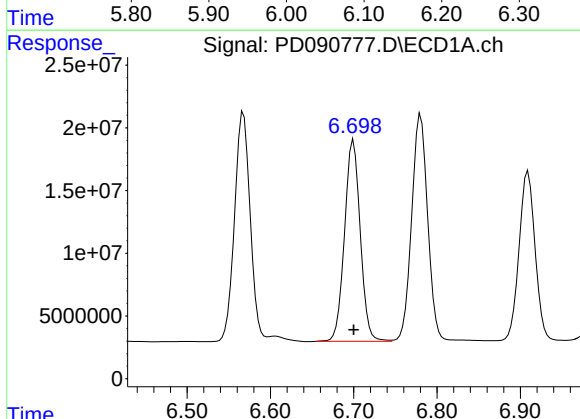
R.T.: 6.780 min  
Delta R.T.: 0.000 min  
Response: 244618268  
Conc: 48.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



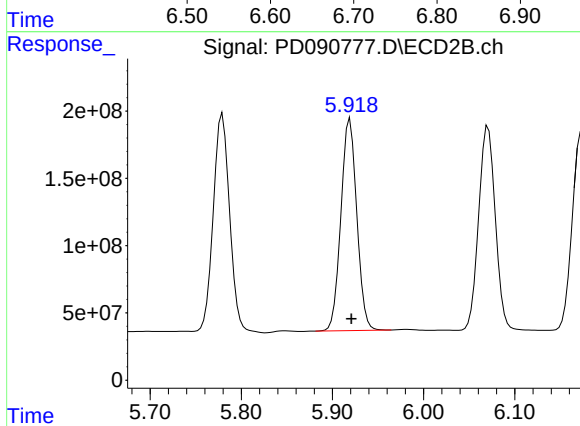
#15 Endosulfan II

R.T.: 6.071 min  
Delta R.T.: -0.001 min  
Response: 1941735274  
Conc: 51.70 ng/ml



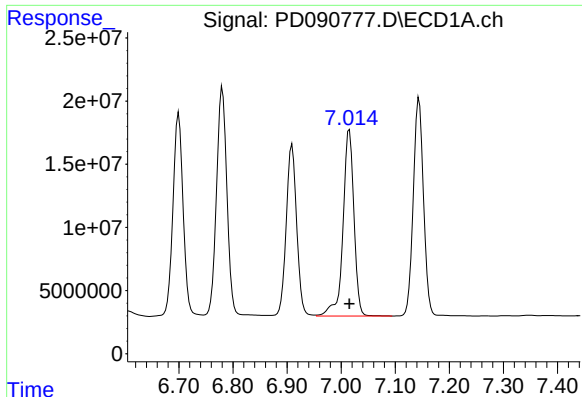
#16 4,4'-DDD

R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 210226189  
Conc: 51.85 ng/ml



#16 4,4'-DDD

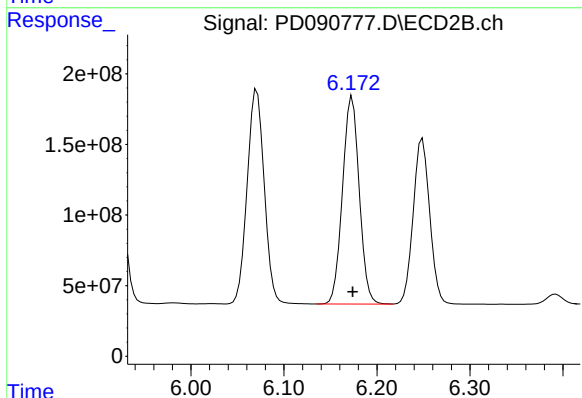
R.T.: 5.919 min  
Delta R.T.: -0.002 min  
Response: 1907137566  
Conc: 52.34 ng/ml



#17 4,4'-DDT

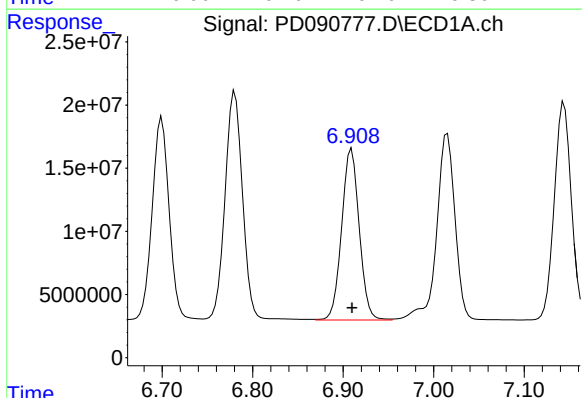
R.T.: 7.015 min  
Delta R.T.: 0.000 min  
Response: 207782053  
Conc: 50.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



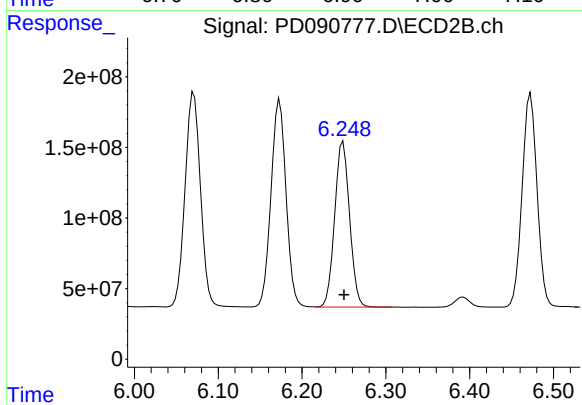
#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: 0.000 min  
Response: 1837527890  
Conc: 52.39 ng/ml



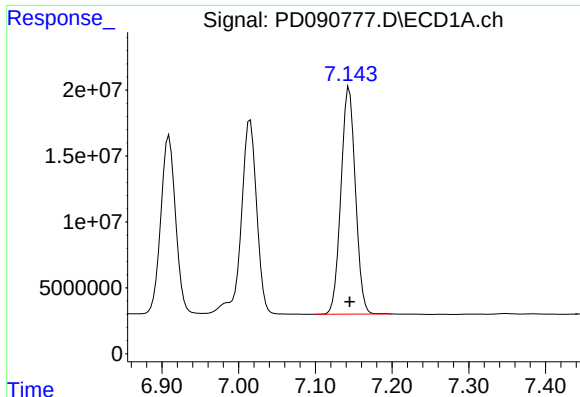
#18 Endrin aldehyde

R.T.: 6.909 min  
Delta R.T.: 0.000 min  
Response: 182662810  
Conc: 49.87 ng/ml



#18 Endrin aldehyde

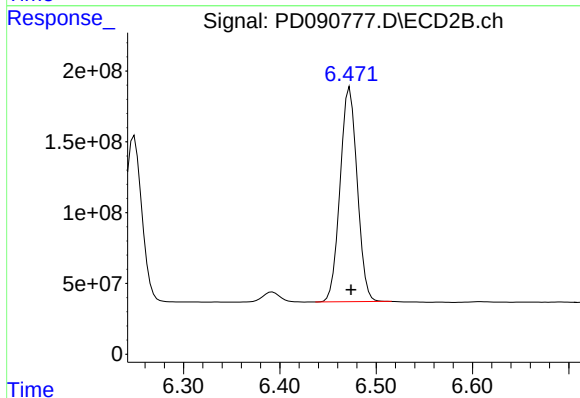
R.T.: 6.249 min  
Delta R.T.: -0.001 min  
Response: 1446313412  
Conc: 52.23 ng/ml



## #19 Endosulfan Sulfate

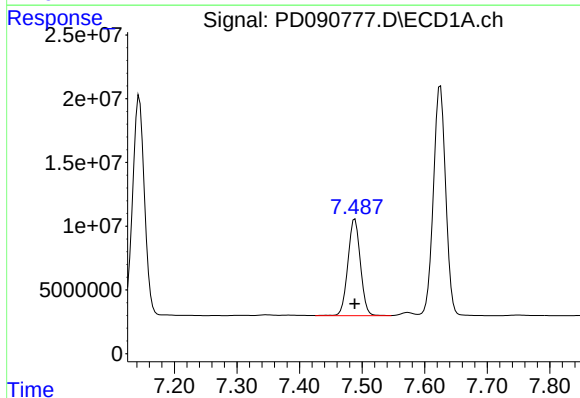
R.T.: 7.144 min  
Delta R.T.: 0.000 min  
Response: 226189294  
Conc: 48.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



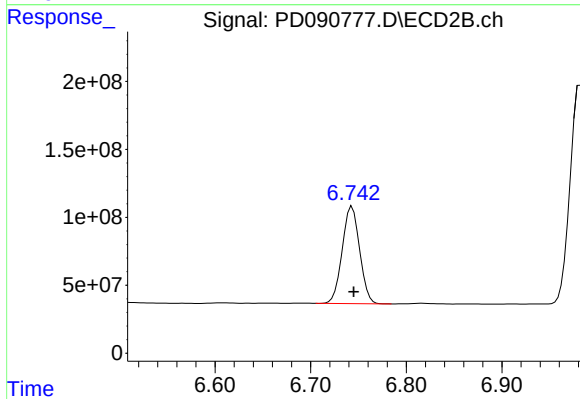
## #19 Endosulfan Sulfate

R.T.: 6.473 min  
Delta R.T.: -0.001 min  
Response: 1865937194  
Conc: 52.06 ng/ml



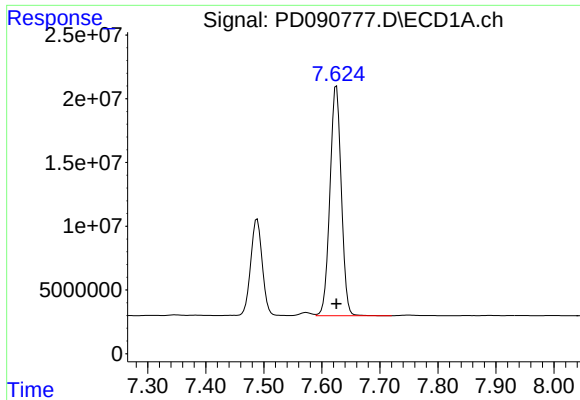
## #20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 105733020  
Conc: 49.74 ng/ml



## #20 Methoxychlor

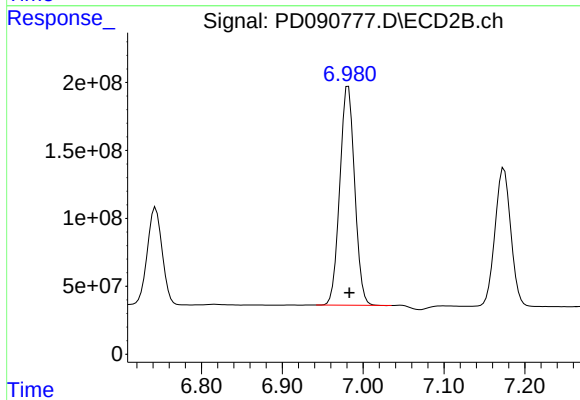
R.T.: 6.743 min  
Delta R.T.: -0.002 min  
Response: 907946899  
Conc: 52.10 ng/ml



#21 Endrin ketone

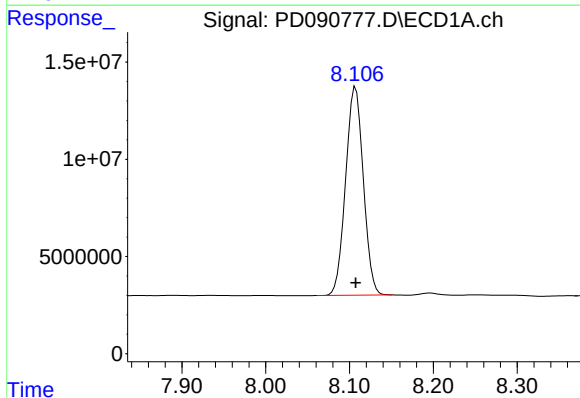
R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 244657383  
Conc: 50.35 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



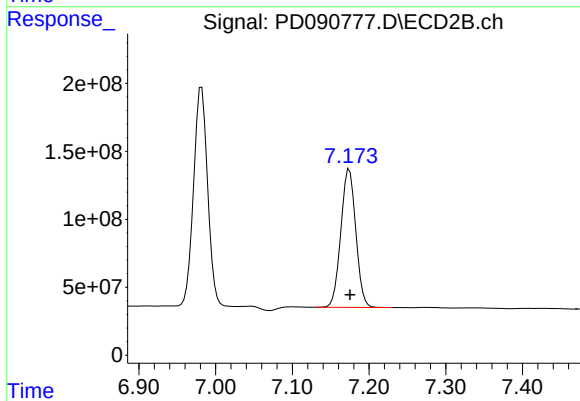
#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: -0.001 min  
Response: 2056765321  
Conc: 54.53 ng/ml



#22 Mirex

R.T.: 8.107 min  
Delta R.T.: 0.000 min  
Response: 157636926  
Conc: 49.25 ng/ml



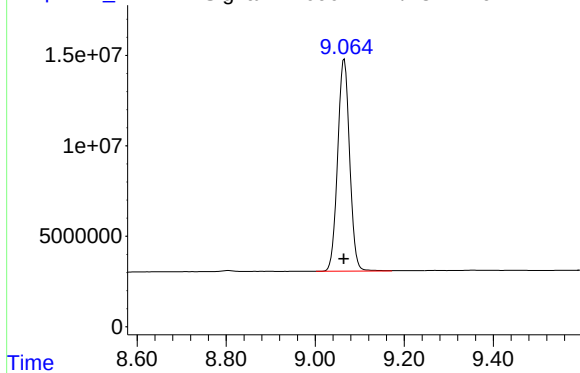
#22 Mirex

R.T.: 7.174 min  
Delta R.T.: -0.001 min  
Response: 1380363973  
Conc: 53.73 ng/ml

Response\_

Signal: PD090777.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.065 min

Delta R.T.: 0.001 min

Response: 219243799

Conc: 46.87 ng/ml

Instrument :

ECD\_D

ClientSampleId :

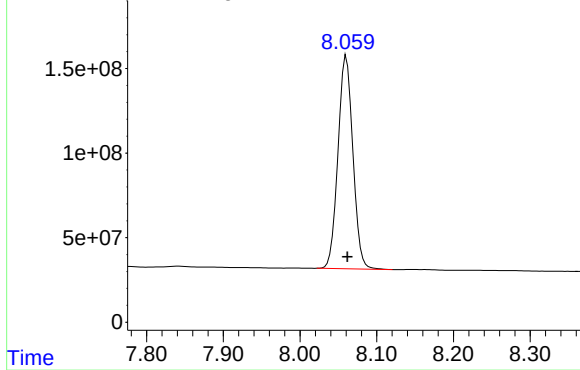
PSTDCCC050

Time

Response\_

Signal: PD090777.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.060 min

Delta R.T.: -0.001 min

Response: 1702061630

Conc: 56.19 ng/ml

Time





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

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.07       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.55      | 3.45      | 3.65 | 0.01       |
| alpha-BHC            | 3.99       | 3.99      | 3.89      | 4.09 | 0.00       |
| beta-BHC             | 4.51       | 4.51      | 4.41      | 4.61 | 0.00       |
| delta-BHC            | 4.76       | 4.76      | 4.66      | 4.86 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.01       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 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        | 6.78       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.70       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.14       | 7.15      | 7.05      | 7.25 | 0.01       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.01       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.63       | 7.63      | 7.53      | 7.73 | 0.00       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 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

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.00       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.37       | 5.37      | 5.27      | 5.47 | 0.01       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.75       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.12       | 5.12      | 5.02      | 5.22 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/23/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.700 | 6.600     | 6.800 | 52.200             | 50.000            | 4.4  |
| 4,4'-DDE             | 6.190 | 6.090     | 6.290 | 48.430             | 50.000            | -3.1 |
| 4,4'-DDT             | 7.015 | 6.915     | 7.115 | 50.330             | 50.000            | 0.7  |
| Aldrin               | 5.264 | 5.164     | 5.364 | 49.680             | 50.000            | -0.6 |
| alpha-BHC            | 3.994 | 3.894     | 4.094 | 49.650             | 50.000            | -0.7 |
| alpha-Chlordane      | 6.020 | 5.921     | 6.121 | 48.370             | 50.000            | -3.3 |
| beta-BHC             | 4.512 | 4.412     | 4.612 | 48.230             | 50.000            | -3.5 |
| Decachlorobiphenyl   | 9.065 | 8.964     | 9.164 | 46.570             | 50.000            | -6.9 |
| delta-BHC            | 4.760 | 4.660     | 4.860 | 49.870             | 50.000            | -0.3 |
| Dieldrin             | 6.341 | 6.240     | 6.440 | 53.620             | 50.000            | 7.2  |
| Endosulfan I         | 6.068 | 5.968     | 6.168 | 49.180             | 50.000            | -1.6 |
| Endosulfan II        | 6.781 | 6.681     | 6.881 | 49.040             | 50.000            | -1.9 |
| Endosulfan sulfate   | 7.144 | 7.045     | 7.245 | 48.800             | 50.000            | -2.4 |
| Endrin               | 6.568 | 6.468     | 6.668 | 48.740             | 50.000            | -2.5 |
| Endrin aldehyde      | 6.910 | 6.810     | 7.010 | 49.920             | 50.000            | -0.2 |
| Endrin ketone        | 7.625 | 7.525     | 7.725 | 51.650             | 50.000            | 3.3  |
| gamma-BHC (Lindane)  | 4.325 | 4.225     | 4.425 | 49.350             | 50.000            | -1.3 |
| gamma-Chlordane      | 5.940 | 5.840     | 6.040 | 48.820             | 50.000            | -2.4 |
| Heptachlor           | 4.923 | 4.823     | 5.023 | 57.980             | 50.000            | 16.0 |
| Heptachlor epoxide   | 5.684 | 5.584     | 5.784 | 49.800             | 50.000            | -0.4 |
| Methoxychlor         | 7.488 | 7.388     | 7.588 | 48.700             | 50.000            | -2.6 |
| Tetrachloro-m-xylene | 3.544 | 3.445     | 3.645 | 47.960             | 50.000            | -4.1 |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/23/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.920 | 5.821     | 6.021 | 51.790             | 50.000            | 3.6  |
| 4,4'-DDE             | 5.365 | 5.266     | 5.466 | 50.080             | 50.000            | 0.2  |
| 4,4'-DDT             | 6.174 | 6.074     | 6.274 | 51.520             | 50.000            | 3.0  |
| Aldrin               | 4.360 | 4.261     | 4.461 | 49.410             | 50.000            | -1.2 |
| alpha-BHC            | 3.386 | 3.287     | 3.487 | 49.590             | 50.000            | -0.8 |
| alpha-Chlordane      | 5.181 | 5.081     | 5.281 | 49.880             | 50.000            | -0.2 |
| beta-BHC             | 4.018 | 3.919     | 4.119 | 49.150             | 50.000            | -1.7 |
| Decachlorobiphenyl   | 8.060 | 7.962     | 8.162 | 53.960             | 50.000            | 7.9  |
| delta-BHC            | 4.254 | 4.155     | 4.355 | 49.980             | 50.000            | 0.0  |
| Dieldrin             | 5.504 | 5.404     | 5.604 | 49.970             | 50.000            | -0.1 |
| Endosulfan I         | 5.238 | 5.138     | 5.338 | 48.460             | 50.000            | -3.1 |
| Endosulfan II        | 6.072 | 5.972     | 6.172 | 50.990             | 50.000            | 2.0  |
| Endosulfan sulfate   | 6.474 | 6.374     | 6.574 | 51.260             | 50.000            | 2.5  |
| Endrin               | 5.780 | 5.681     | 5.881 | 50.120             | 50.000            | 0.2  |
| Endrin aldehyde      | 6.249 | 6.150     | 6.350 | 51.510             | 50.000            | 3.0  |
| Endrin ketone        | 6.983 | 6.883     | 7.083 | 53.140             | 50.000            | 6.3  |
| gamma-BHC (Lindane)  | 3.722 | 3.623     | 3.823 | 51.000             | 50.000            | 2.0  |
| gamma-Chlordane      | 5.116 | 5.017     | 5.217 | 50.110             | 50.000            | 0.2  |
| Heptachlor           | 4.074 | 3.975     | 4.175 | 50.660             | 50.000            | 1.3  |
| Heptachlor epoxide   | 4.864 | 4.764     | 4.964 | 49.200             | 50.000            | -1.6 |
| Methoxychlor         | 6.745 | 6.645     | 6.845 | 51.930             | 50.000            | 3.9  |
| Tetrachloro-m-xylene | 2.874 | 2.775     | 2.975 | 48.980             | 50.000            | -2.0 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
 Data File : PD090789.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 15:52  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:15:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 149.3E6 | 1458.5E6 | 47.956 | 48.980 |
| 28)                         | SA Decachlor... | 9.065 | 8.060 | 217.8E6 | 1634.5E6 | 46.569 | 53.960 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.386 | 356.4E6 | 2534.0E6 | 49.653 | 49.593 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.722 | 335.5E6 | 2409.6E6 | 49.351 | 50.997 |
| 4)                          | MA Heptachlor   | 4.923 | 4.074 | 324.1E6 | 2259.6E6 | 57.979 | 50.659 |
| 5)                          | MB Aldrin       | 5.264 | 4.360 | 325.3E6 | 2288.7E6 | 49.681 | 49.413 |
| 6)                          | B beta-BHC      | 4.512 | 4.018 | 126.3E6 | 974.5E6  | 48.227 | 49.145 |
| 7)                          | B delta-BHC     | 4.760 | 4.254 | 337.2E6 | 2385.0E6 | 49.875 | 49.983 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 288.3E6 | 2097.7E6 | 49.805 | 49.196 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 272.3E6 | 1908.8E6 | 49.185 | 48.458 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.116 | 289.6E6 | 2252.6E6 | 48.822 | 50.114 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.181 | 298.9E6 | 2151.6E6 | 48.367 | 49.877 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.365 | 258.0E6 | 2195.6E6 | 48.430 | 50.083 |
| 13)                         | MA Dieldrin     | 6.341 | 5.504 | 312.7E6 | 2207.8E6 | 53.624 | 49.968 |
| 14)                         | MA Endrin       | 6.568 | 5.780 | 241.4E6 | 2029.5E6 | 48.738 | 50.119 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 245.2E6 | 1915.0E6 | 49.040 | 50.991 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.920 | 211.6E6 | 1887.1E6 | 52.205 | 51.789 |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.174 | 206.9E6 | 1806.9E6 | 50.328 | 51.517 |
| 18)                         | B Endrin al...  | 6.910 | 6.249 | 182.9E6 | 1426.5E6 | 49.924 | 51.512 |
| 19)                         | B Endosulfa...  | 7.144 | 6.474 | 226.3E6 | 1837.4E6 | 48.799 | 51.258 |
| 20)                         | A Methoxychlor  | 7.488 | 6.745 | 103.5E6 | 905.1E6  | 48.703 | 51.932 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 251.0E6 | 2004.5E6 | 51.653 | 53.144 |
| 22)                         | Mirex           | 8.107 | 7.175 | 156.4E6 | 1346.3E6 | 48.847 | 52.405 |
| -----                       |                 |       |       |         |          |        |        |

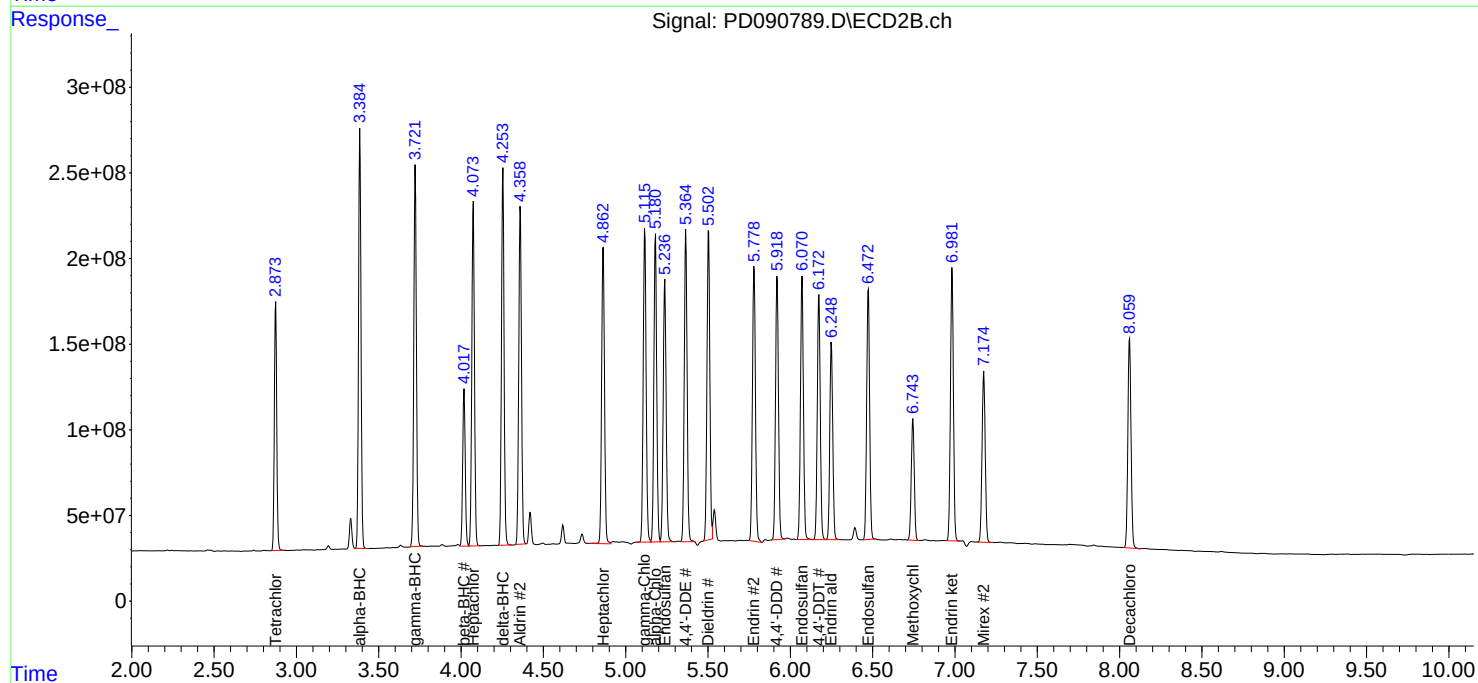
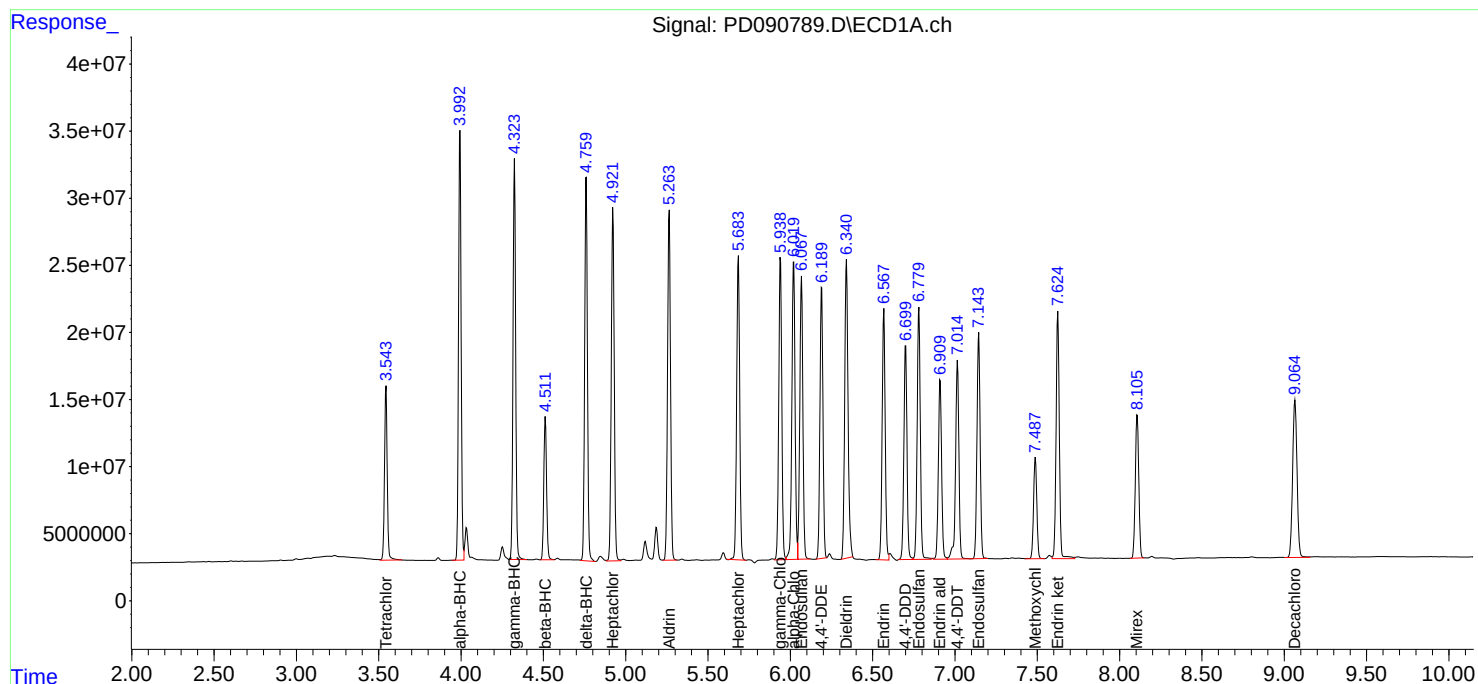
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

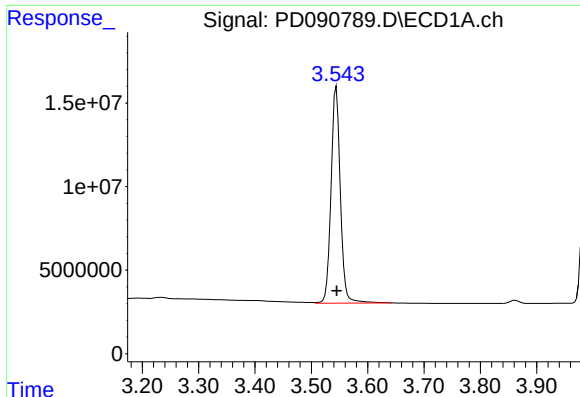
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090789.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 15:52  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:15:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

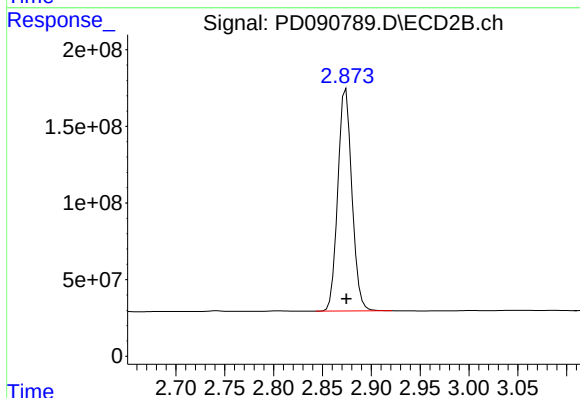




## #1 Tetrachloro-m-xylene

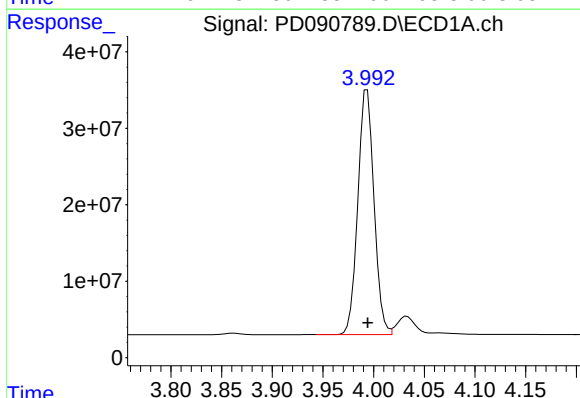
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 149343338  
Conc: 47.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



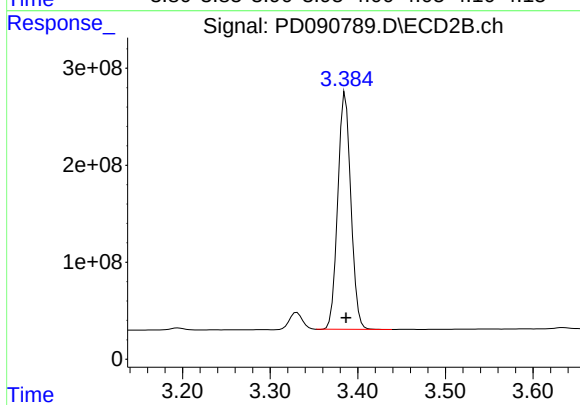
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 1458493463  
Conc: 48.98 ng/ml



## #2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 356368039  
Conc: 49.65 ng/ml



## #2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 2533987732  
Conc: 49.59 ng/ml

Response\_

Signal: PD090789.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 335528304

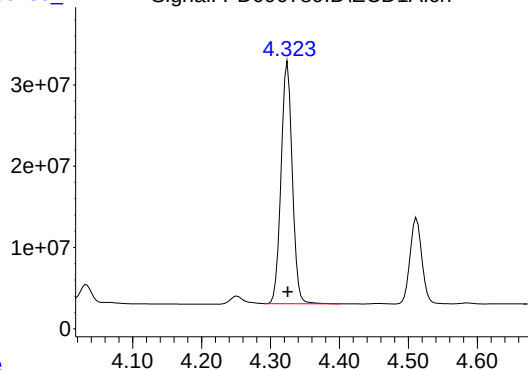
Conc: 49.35 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PSTDCCC050



Time

Response

Signal: PD090789.D\ECD2B.ch

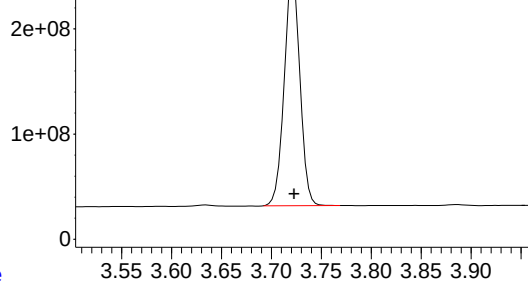
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 2409571352

Conc: 51.00 ng/ml



Time

Response\_

Signal: PD090789.D\ECD1A.ch

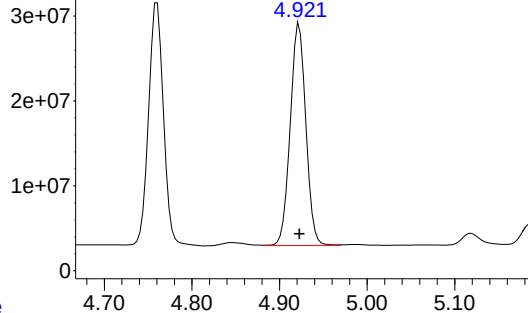
#4 Heptachlor

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 324076580

Conc: 57.98 ng/ml



Time

Response

Signal: PD090789.D\ECD2B.ch

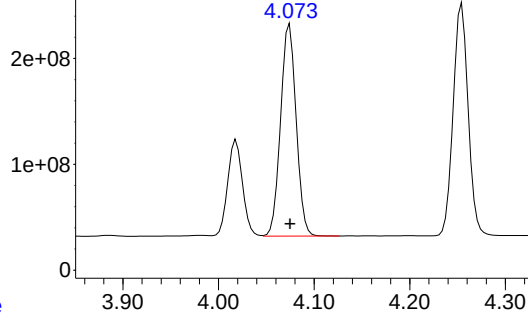
#4 Heptachlor

R.T.: 4.074 min

Delta R.T.: 0.000 min

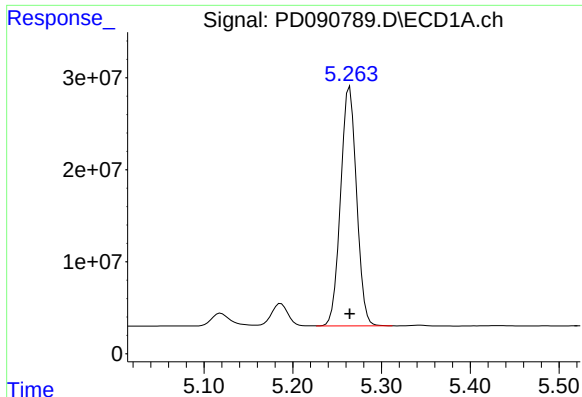
Response: 2259556830

Conc: 50.66 ng/ml



Time

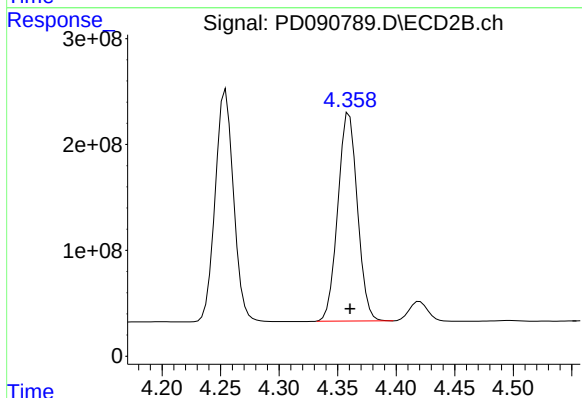




#5 Aldrin

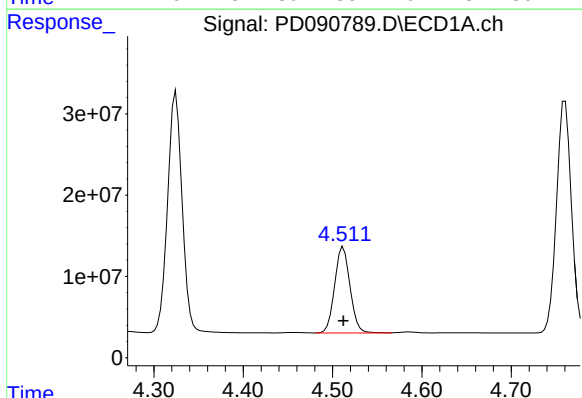
R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 325273605  
Conc: 49.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



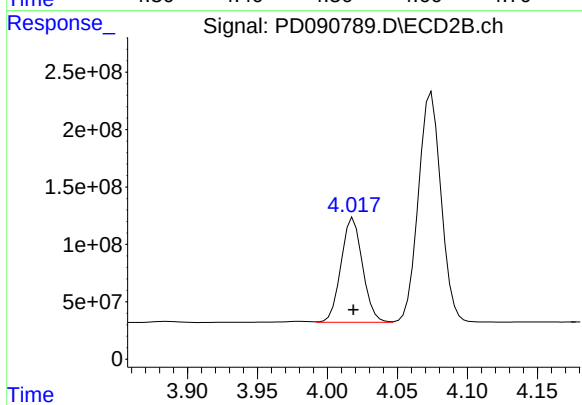
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 2288748519  
Conc: 49.41 ng/ml



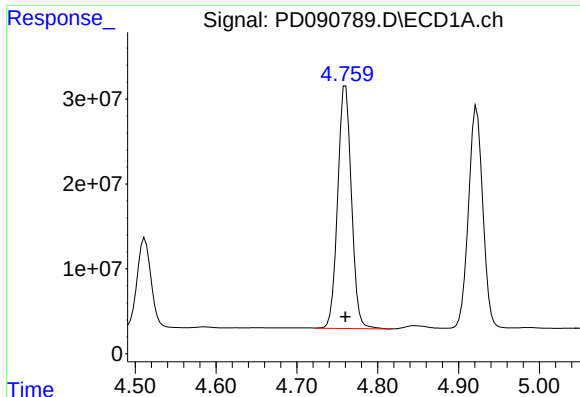
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 126337138  
Conc: 48.23 ng/ml



#6 beta-BHC

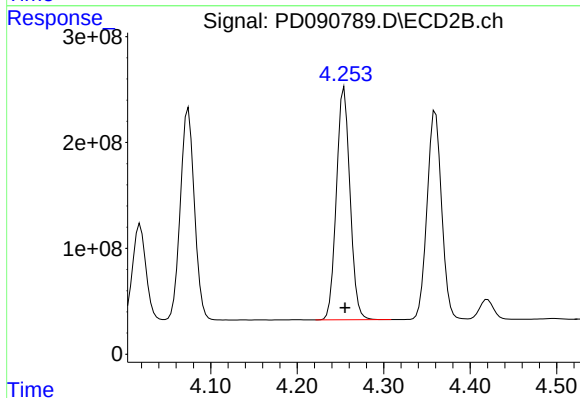
R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 974531476  
Conc: 49.15 ng/ml



#7 delta-BHC

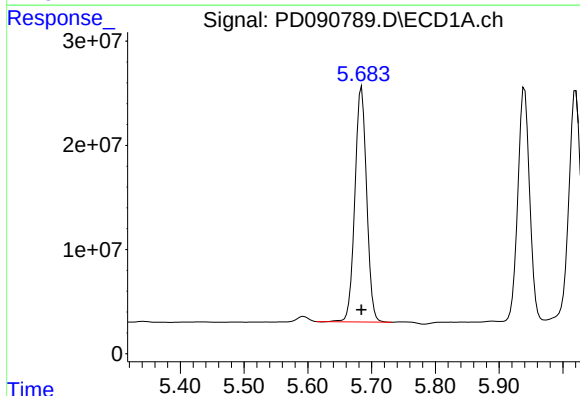
R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 337239419  
Conc: 49.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



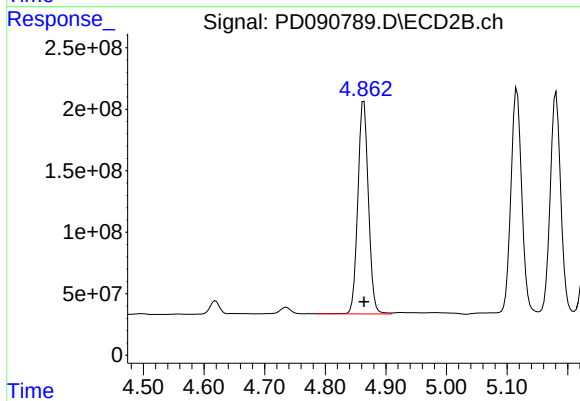
#7 delta-BHC

R.T.: 4.254 min  
Delta R.T.: 0.000 min  
Response: 2385025548  
Conc: 49.98 ng/ml



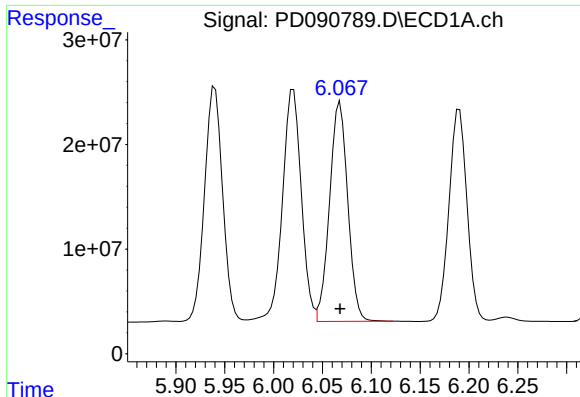
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 288322841  
Conc: 49.80 ng/ml



#8 Heptachlor epoxide

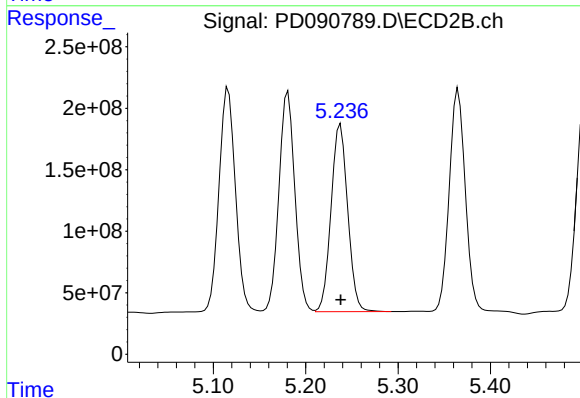
R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 2097656580  
Conc: 49.20 ng/ml



## #9 Endosulfan I

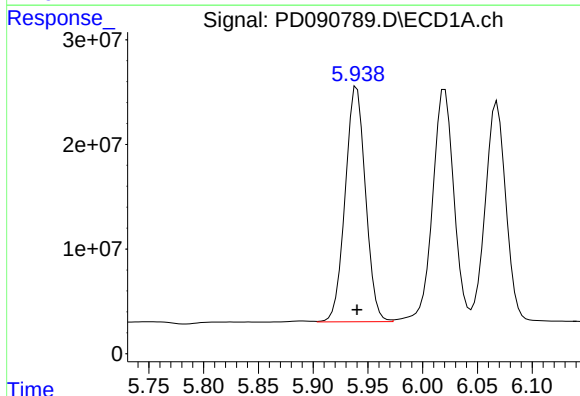
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 272318231  
Conc: 49.18 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



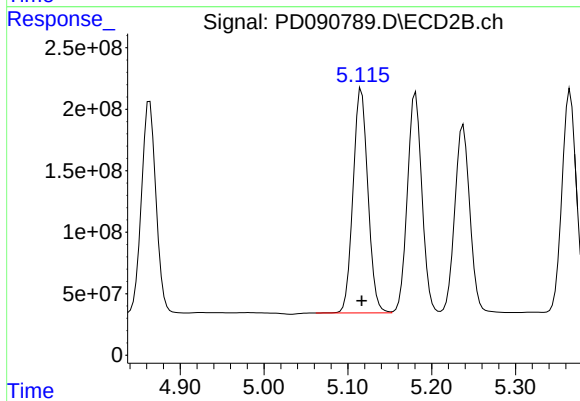
## #9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 1908759871  
Conc: 48.46 ng/ml



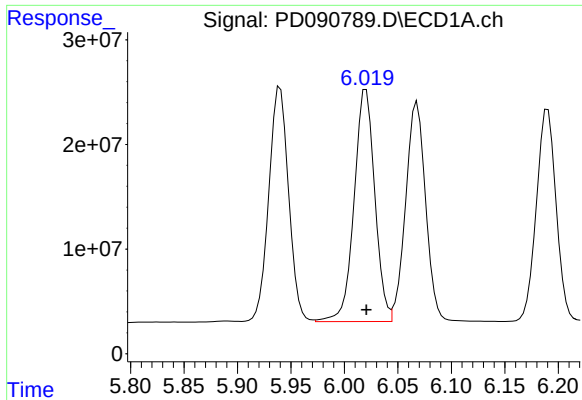
## #10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 289571306  
Conc: 48.82 ng/ml



## #10 gamma-Chlordane

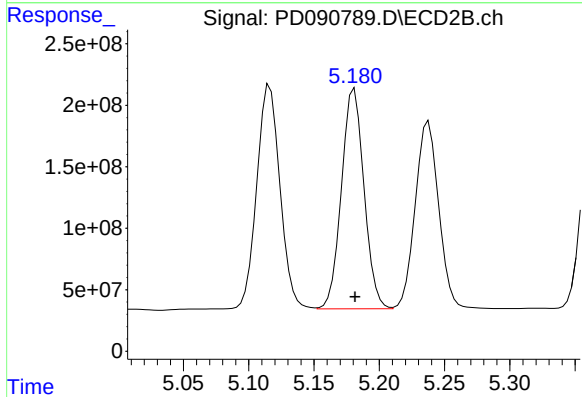
R.T.: 5.116 min  
Delta R.T.: 0.000 min  
Response: 2252583078  
Conc: 50.11 ng/ml



#11 alpha-Chlordane

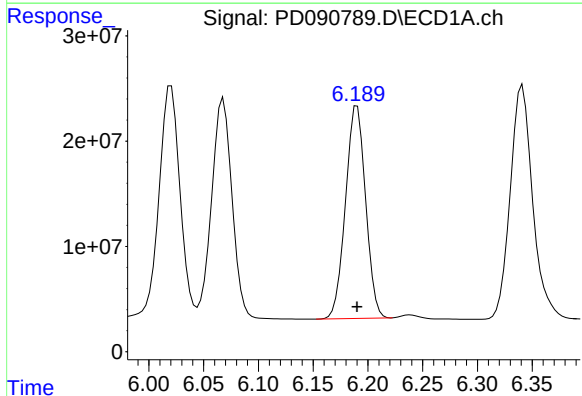
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 298920369  
Conc: 48.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



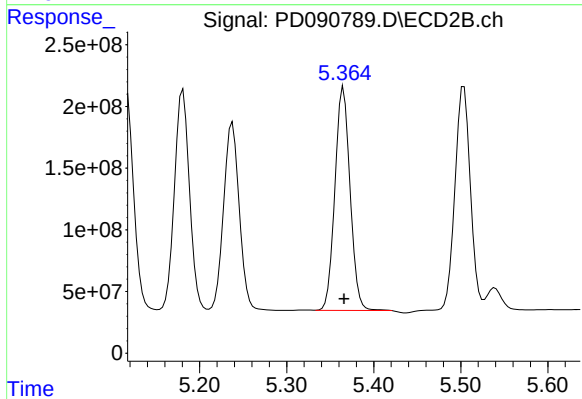
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 2151580049  
Conc: 49.88 ng/ml



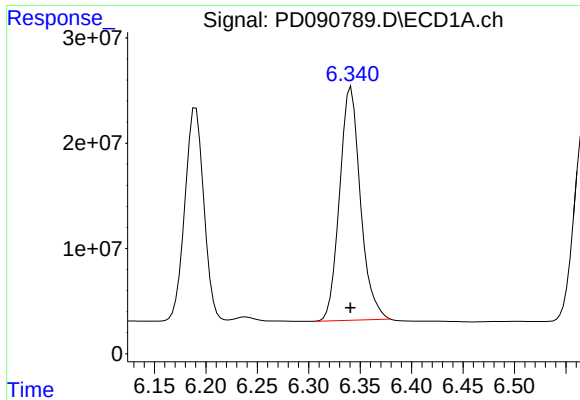
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 257968671  
Conc: 48.43 ng/ml



#12 4,4'-DDE

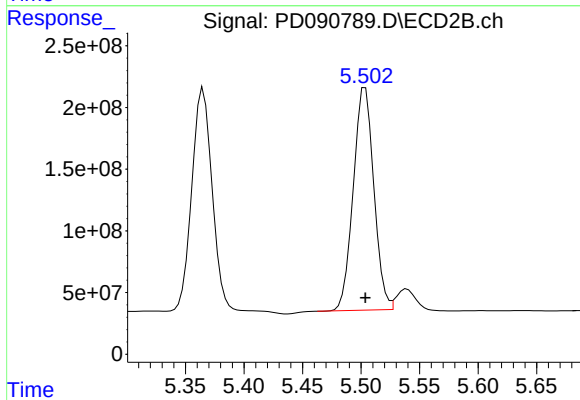
R.T.: 5.365 min  
Delta R.T.: 0.000 min  
Response: 2195554517  
Conc: 50.08 ng/ml



#13 Dieldrin

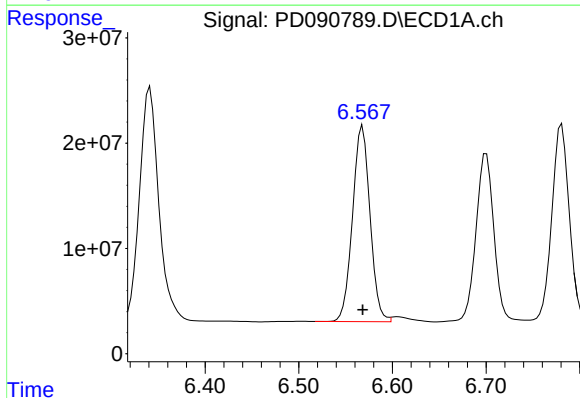
R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 312702503  
Conc: 53.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



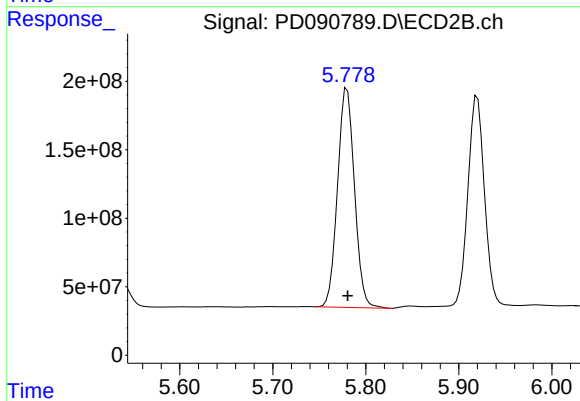
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: 0.000 min  
Response: 2207787417  
Conc: 49.97 ng/ml



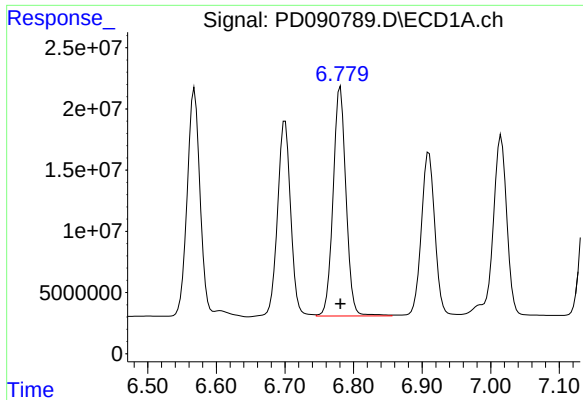
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 241431274  
Conc: 48.74 ng/ml



#14 Endrin

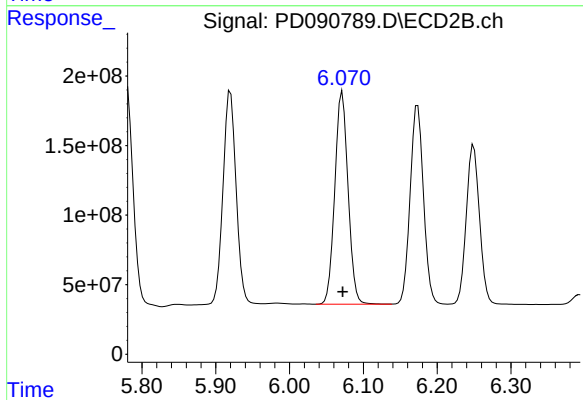
R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 2029500295  
Conc: 50.12 ng/ml



## #15 Endosulfan II

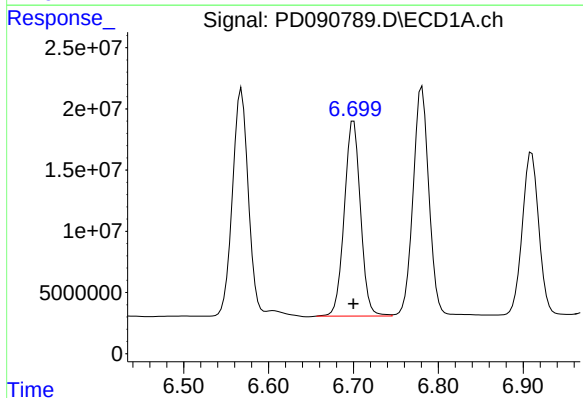
R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 245199923  
Conc: 49.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



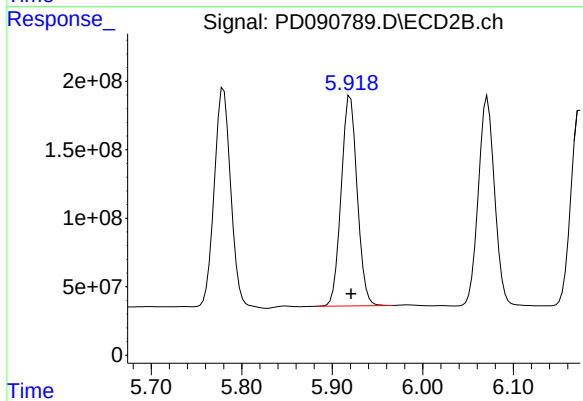
## #15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 1915005204  
Conc: 50.99 ng/ml



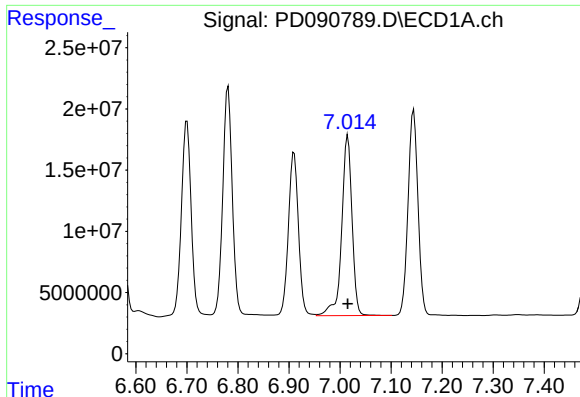
## #16 4,4'-DDD

R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 211649351  
Conc: 52.20 ng/ml



## #16 4,4'-DDD

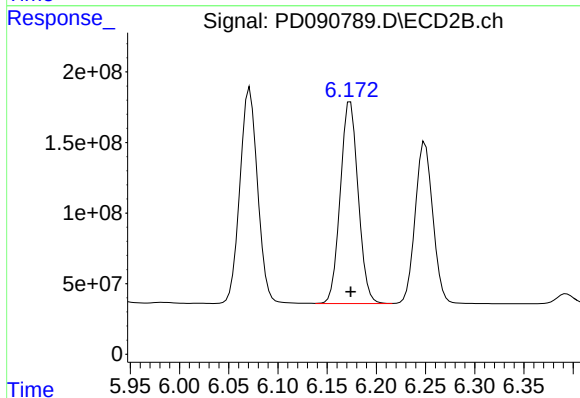
R.T.: 5.920 min  
Delta R.T.: 0.000 min  
Response: 1887073719  
Conc: 51.79 ng/ml



#17 4,4'-DDT

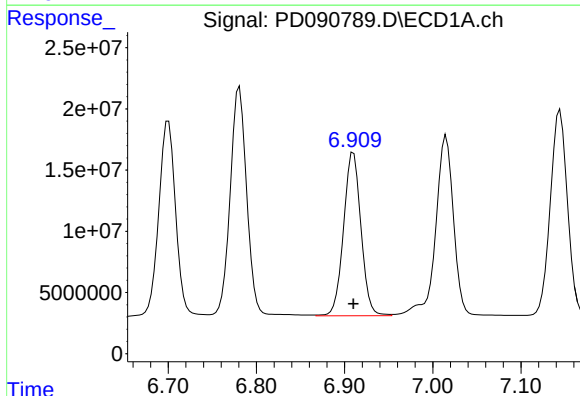
R.T.: 7.015 min  
Delta R.T.: 0.000 min  
Response: 206872383  
Conc: 50.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



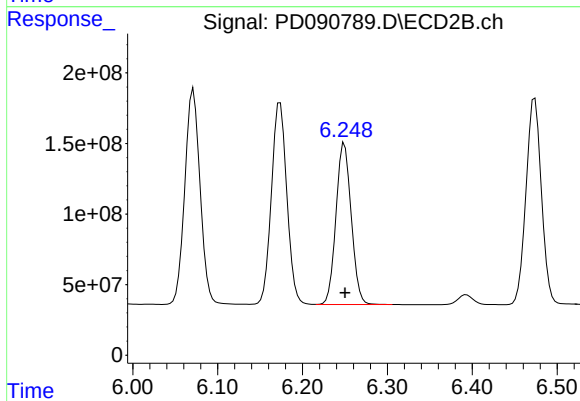
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 1806864026  
Conc: 51.52 ng/ml



#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 182857411  
Conc: 49.92 ng/ml



#18 Endrin aldehyde

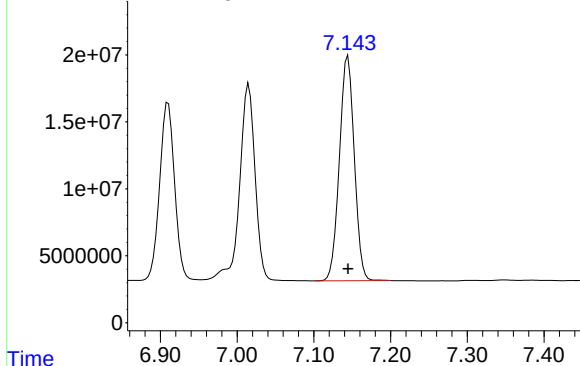
R.T.: 6.249 min  
Delta R.T.: 0.000 min  
Response: 1426511527  
Conc: 51.51 ng/ml

Response\_ Signal: PD090789.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.144 min  
Delta R.T.: 0.000 min  
Response: 226337948  
Conc: 48.80 ng/ml

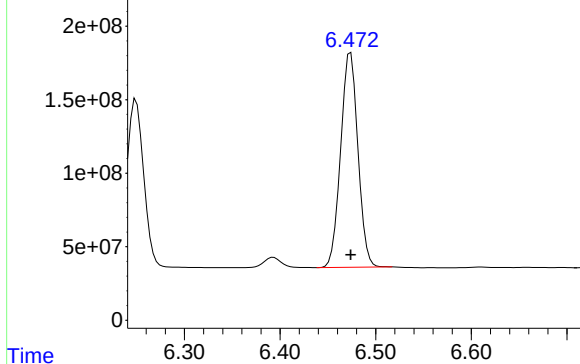
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



Time Response\_ Signal: PD090789.D\ECD2B.ch

#19 Endosulfan Sulfate

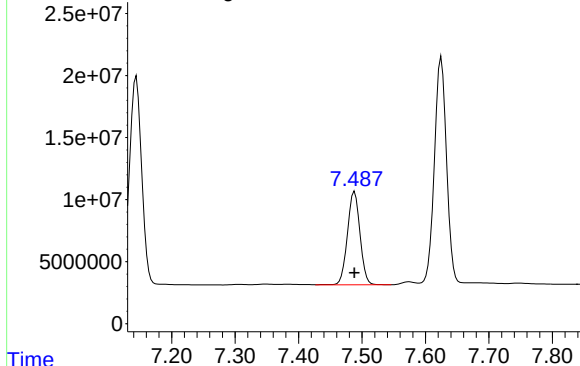
R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 1837350870  
Conc: 51.26 ng/ml



Time Response\_ Signal: PD090789.D\ECD1A.ch

#20 Methoxychlor

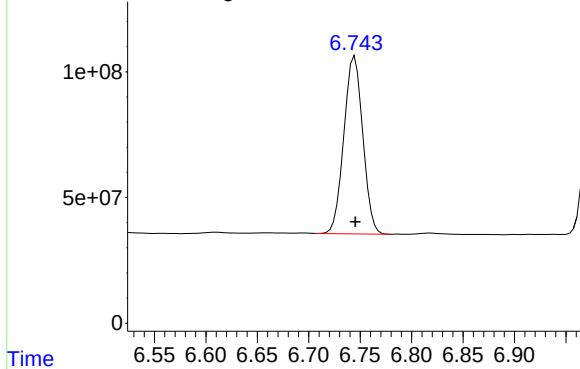
R.T.: 7.488 min  
Delta R.T.: 0.000 min  
Response: 103523108  
Conc: 48.70 ng/ml



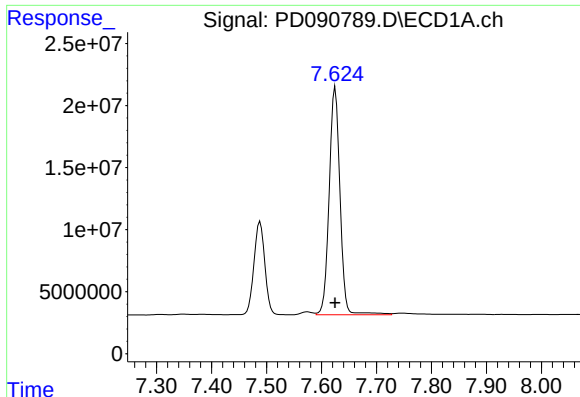
Time Response\_ Signal: PD090789.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 905062589  
Conc: 51.93 ng/ml



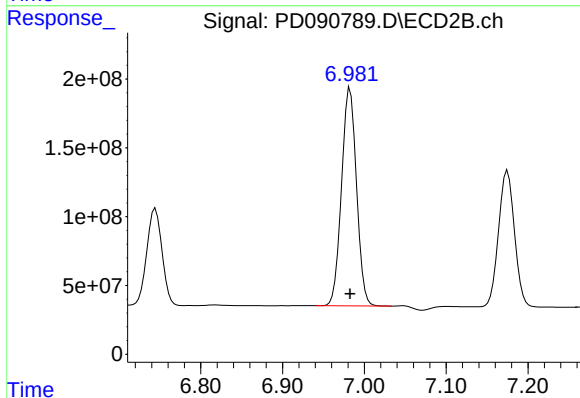




#21 Endrin ketone

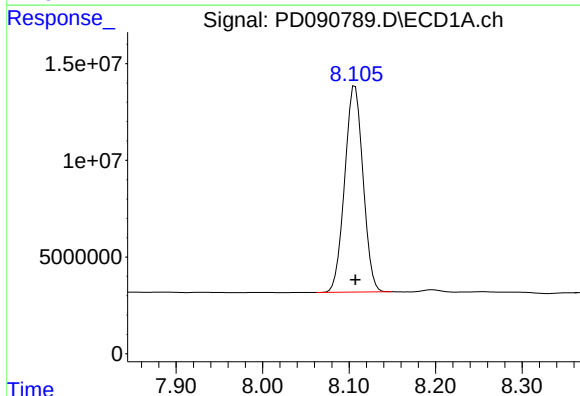
R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 250974644  
Conc: 51.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



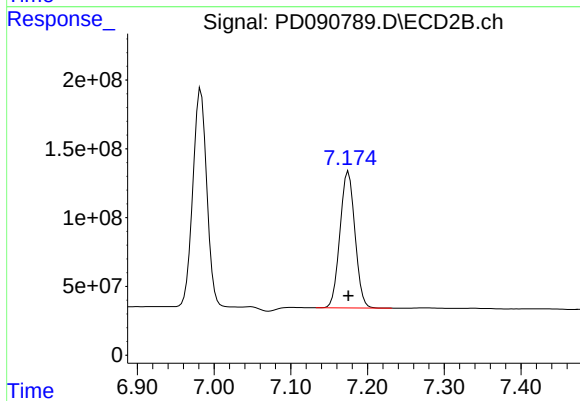
#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 2004474205  
Conc: 53.14 ng/ml



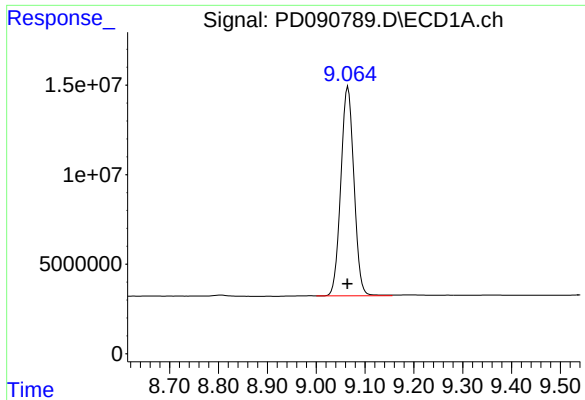
#22 Mirex

R.T.: 8.107 min  
Delta R.T.: 0.000 min  
Response: 156351812  
Conc: 48.85 ng/ml



#22 Mirex

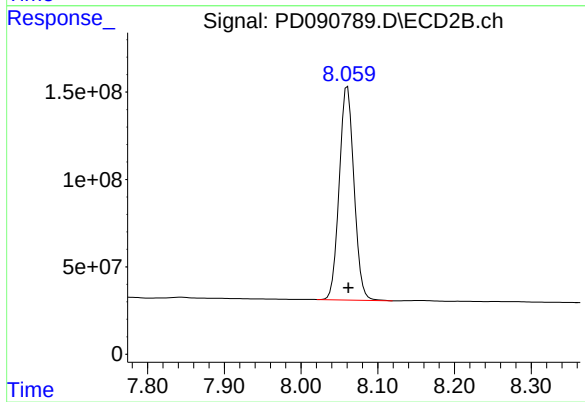
R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 1346333596  
Conc: 52.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min  
Delta R.T.: 0.000 min  
Response: 217847756  
Conc: 46.57 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.001 min  
Response: 1634521210  
Conc: 53.96 ng/ml



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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 18:36

Initial Calibration Time(s): 11:34

12:28

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       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.55      | 3.45      | 3.65 | 0.01       |
| alpha-BHC            | 3.99       | 3.99      | 3.89      | 4.09 | 0.00       |
| beta-BHC             | 4.51       | 4.51      | 4.41      | 4.61 | 0.00       |
| delta-BHC            | 4.76       | 4.76      | 4.66      | 4.86 | 0.00       |
| gamma-BHC (Lindane)  | 4.32       | 4.33      | 4.23      | 4.43 | 0.01       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 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        | 6.78       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.70       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.14       | 7.15      | 7.05      | 7.25 | 0.01       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.01       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.63       | 7.63      | 7.53      | 7.73 | 0.00       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 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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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 18:36

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.00       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.36       | 5.37      | 5.27      | 5.47 | 0.01       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.12       | 5.12      | 5.02      | 5.22 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/23/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.699 | 6.600     | 6.800 | 52.820             | 50.000            | 5.6  |
| 4,4'-DDE             | 6.189 | 6.090     | 6.290 | 49.000             | 50.000            | -2.0 |
| 4,4'-DDT             | 7.015 | 6.915     | 7.115 | 47.740             | 50.000            | -4.5 |
| Aldrin               | 5.263 | 5.164     | 5.364 | 49.600             | 50.000            | -0.8 |
| alpha-BHC            | 3.993 | 3.894     | 4.094 | 49.450             | 50.000            | -1.1 |
| alpha-Chlordane      | 6.020 | 5.921     | 6.121 | 49.100             | 50.000            | -1.8 |
| beta-BHC             | 4.511 | 4.412     | 4.612 | 48.380             | 50.000            | -3.2 |
| Decachlorobiphenyl   | 9.064 | 8.964     | 9.164 | 47.010             | 50.000            | -6.0 |
| delta-BHC            | 4.759 | 4.660     | 4.860 | 49.640             | 50.000            | -0.7 |
| Dieldrin             | 6.340 | 6.240     | 6.440 | 54.270             | 50.000            | 8.5  |
| Endosulfan I         | 6.068 | 5.968     | 6.168 | 49.700             | 50.000            | -0.6 |
| Endosulfan II        | 6.780 | 6.681     | 6.881 | 49.880             | 50.000            | -0.2 |
| Endosulfan sulfate   | 7.143 | 7.045     | 7.245 | 49.320             | 50.000            | -1.4 |
| Endrin               | 6.567 | 6.468     | 6.668 | 48.530             | 50.000            | -2.9 |
| Endrin aldehyde      | 6.909 | 6.810     | 7.010 | 50.270             | 50.000            | 0.5  |
| Endrin ketone        | 7.625 | 7.525     | 7.725 | 50.700             | 50.000            | 1.4  |
| gamma-BHC (Lindane)  | 4.324 | 4.225     | 4.425 | 49.270             | 50.000            | -1.5 |
| gamma-Chlordane      | 5.939 | 5.840     | 6.040 | 50.230             | 50.000            | 0.5  |
| Heptachlor           | 4.922 | 4.823     | 5.023 | 55.240             | 50.000            | 10.5 |
| Heptachlor epoxide   | 5.683 | 5.584     | 5.784 | 49.580             | 50.000            | -0.8 |
| Methoxychlor         | 7.488 | 7.388     | 7.588 | 45.340             | 50.000            | -9.3 |
| Tetrachloro-m-xylene | 3.544 | 3.445     | 3.645 | 47.720             | 50.000            | -4.6 |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/23/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.919 | 5.821     | 6.021 | 51.950             | 50.000            | 3.9  |
| 4,4'-DDE             | 5.364 | 5.266     | 5.466 | 50.110             | 50.000            | 0.2  |
| 4,4'-DDT             | 6.173 | 6.074     | 6.274 | 48.800             | 50.000            | -2.4 |
| Aldrin               | 4.359 | 4.261     | 4.461 | 49.310             | 50.000            | -1.4 |
| alpha-BHC            | 3.386 | 3.287     | 3.487 | 49.360             | 50.000            | -1.3 |
| alpha-Chlordane      | 5.180 | 5.081     | 5.281 | 49.790             | 50.000            | -0.4 |
| beta-BHC             | 4.018 | 3.919     | 4.119 | 48.800             | 50.000            | -2.4 |
| Decachlorobiphenyl   | 8.060 | 7.962     | 8.162 | 54.790             | 50.000            | 9.6  |
| delta-BHC            | 4.253 | 4.155     | 4.355 | 49.840             | 50.000            | -0.3 |
| Dieldrin             | 5.503 | 5.404     | 5.604 | 49.980             | 50.000            | 0.0  |
| Endosulfan I         | 5.237 | 5.138     | 5.338 | 48.550             | 50.000            | -2.9 |
| Endosulfan II        | 6.071 | 5.972     | 6.172 | 51.000             | 50.000            | 2.0  |
| Endosulfan sulfate   | 6.473 | 6.374     | 6.574 | 51.100             | 50.000            | 2.2  |
| Endrin               | 5.780 | 5.681     | 5.881 | 49.620             | 50.000            | -0.8 |
| Endrin aldehyde      | 6.249 | 6.150     | 6.350 | 51.270             | 50.000            | 2.5  |
| Endrin ketone        | 6.982 | 6.883     | 7.083 | 53.510             | 50.000            | 7.0  |
| gamma-BHC (Lindane)  | 3.721 | 3.623     | 3.823 | 50.610             | 50.000            | 1.2  |
| gamma-Chlordane      | 5.115 | 5.017     | 5.217 | 50.150             | 50.000            | 0.3  |
| Heptachlor           | 4.073 | 3.975     | 4.175 | 49.040             | 50.000            | -1.9 |
| Heptachlor epoxide   | 4.863 | 4.764     | 4.964 | 48.920             | 50.000            | -2.2 |
| Methoxychlor         | 6.744 | 6.645     | 6.845 | 48.070             | 50.000            | -3.9 |
| Tetrachloro-m-xylene | 2.874 | 2.775     | 2.975 | 48.740             | 50.000            | -2.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
 Data File : PD090801.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 18:36  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:18:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 148.6E6  | 1451.3E6 | 47.717 | 48.738 |
| 28)                         | SA Decachlor... | 9.064 | 8.060 | 219.9E6  | 1659.5E6 | 47.013 | 54.785 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.386 | 354.9E6  | 2522.1E6 | 49.450 | 49.360 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.721 | 335.0E6  | 2391.1E6 | 49.268 | 50.606 |
| 4)                          | MA Heptachlor   | 4.922 | 4.073 | 308.8E6  | 2187.3E6 | 55.242 | 49.039 |
| 5)                          | MB Aldrin       | 5.263 | 4.359 | 324.8E6  | 2284.1E6 | 49.604 | 49.313 |
| 6)                          | B beta-BHC      | 4.511 | 4.018 | 126.7E6  | 967.7E6  | 48.381 | 48.802 |
| 7)                          | B delta-BHC     | 4.759 | 4.253 | 335.6E6  | 2378.0E6 | 49.636 | 49.835 |
| 8)                          | B Heptachlo...  | 5.683 | 4.863 | 287.0E6  | 2085.9E6 | 49.580 | 48.919 |
| 9)                          | A Endosulfan I  | 6.068 | 5.237 | 275.1E6  | 1912.6E6 | 49.696 | 48.554 |
| 10)                         | B gamma-Chl...  | 5.939 | 5.115 | 297.9E6  | 2254.1E6 | 50.226 | 50.149 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.180 | 303.4E6  | 2147.6E6 | 49.095 | 49.785 |
| 12)                         | B 4,4'-DDE      | 6.189 | 5.364 | 261.0E6  | 2196.5E6 | 48.999 | 50.106 |
| 13)                         | MA Dieldrin     | 6.340 | 5.503 | 316.4E6  | 2208.2E6 | 54.266 | 49.978 |
| 14)                         | MA Endrin       | 6.567 | 5.780 | 240.4E6  | 2009.3E6 | 48.527 | 49.619 |
| 15)                         | B Endosulfa...  | 6.780 | 6.071 | 249.4E6  | 1915.5E6 | 49.878 | 51.004 |
| 16)                         | A 4,4'-DDD      | 6.699 | 5.919 | 214.1E6  | 1893.0E6 | 52.822 | 51.952 |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.173 | 196.2E6  | 1711.4E6 | 47.739 | 48.796 |
| 18)                         | B Endrin al...  | 6.909 | 6.249 | 184.1E6  | 1419.8E6 | 50.271 | 51.270 |
| 19)                         | B Endosulfa...  | 7.143 | 6.473 | 228.8E6  | 1831.5E6 | 49.322 | 51.095 |
| 20)                         | A Methoxychlor  | 7.488 | 6.744 | 96369018 | 837.8E6  | 45.338 | 48.074 |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 246.4E6  | 2018.1E6 | 50.703 | 53.506 |
| 22)                         | Mirex           | 8.107 | 7.174 | 158.2E6  | 1360.0E6 | 49.418 | 52.936 |
| -----                       |                 |       |       |          |          |        |        |

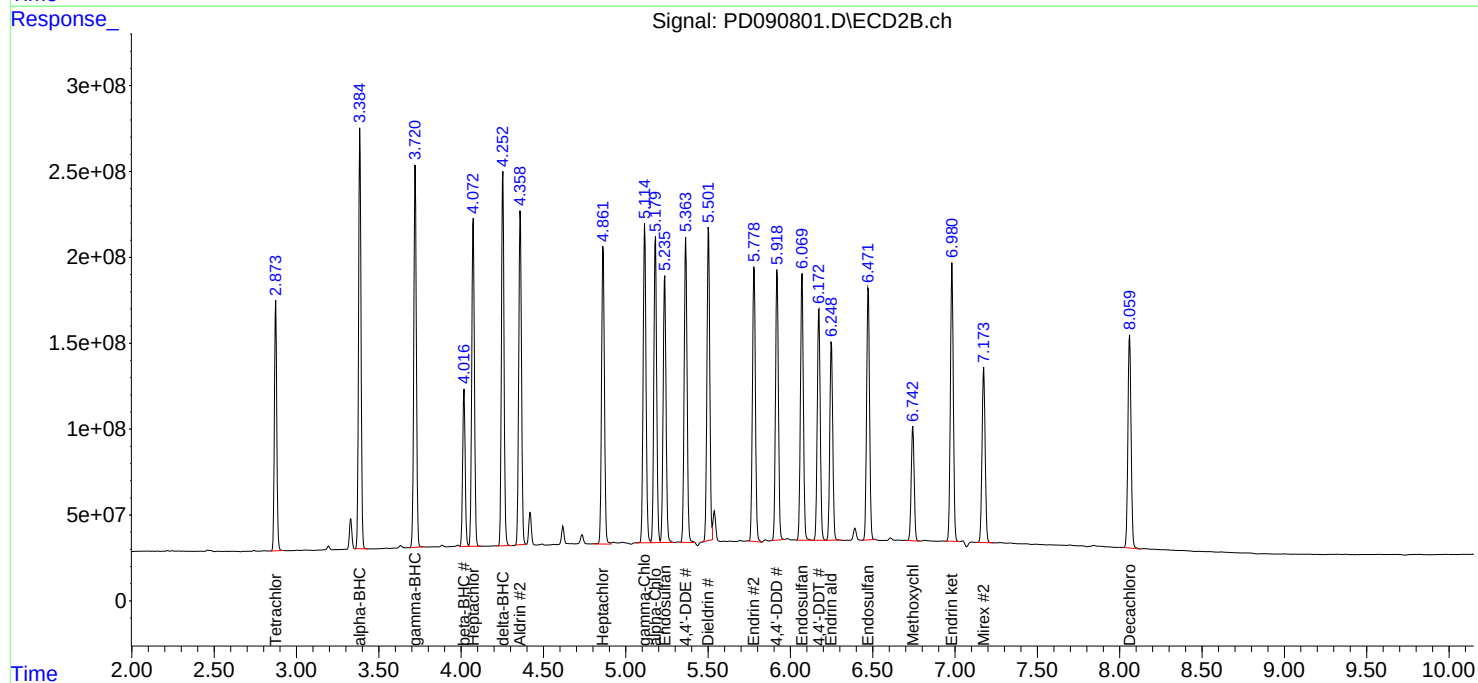
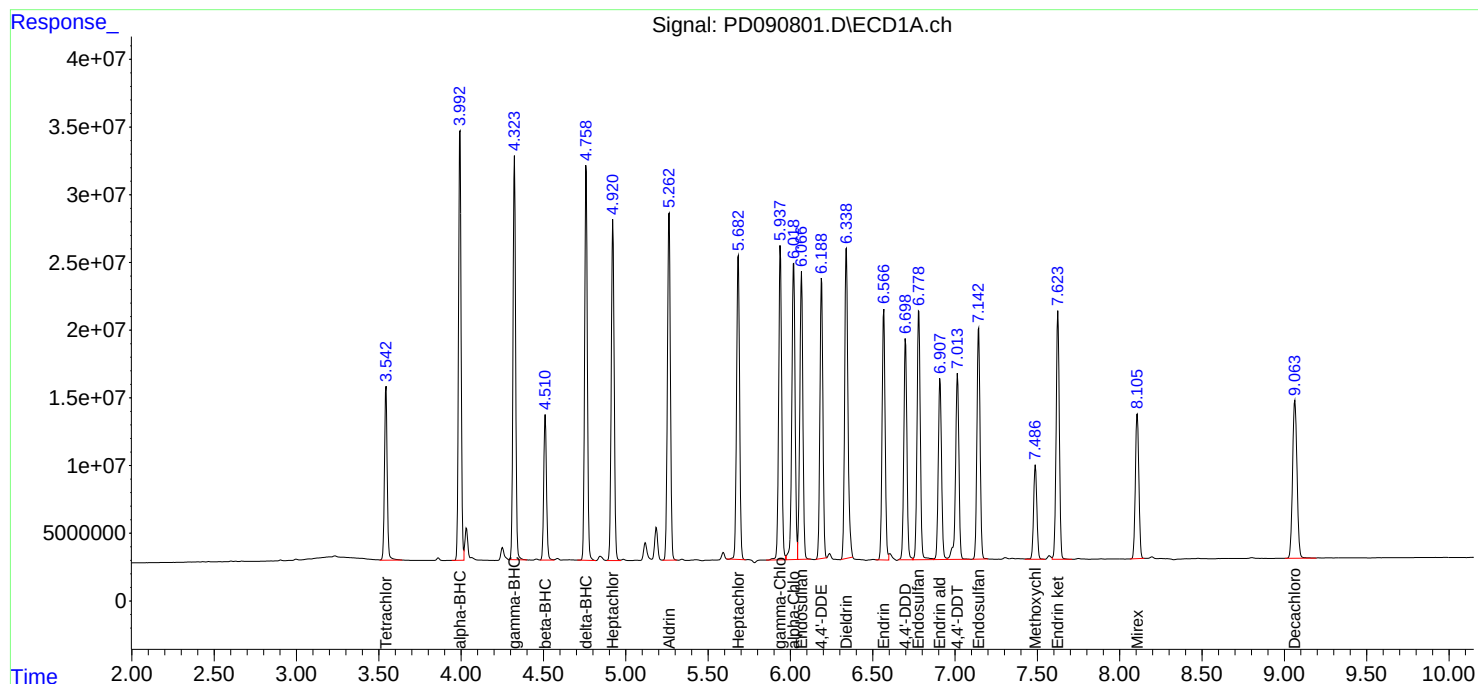
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090801.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 18:36  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:18:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm



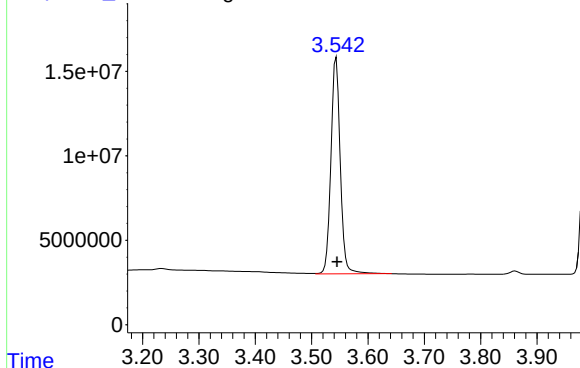


Response\_ Signal: PD090801.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 148599500  
Conc: 47.72 ng/ml

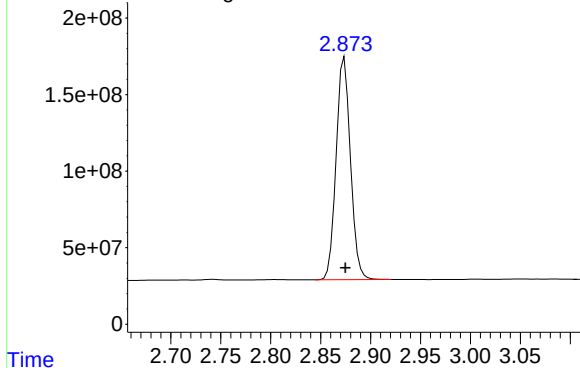
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



Response\_ Signal: PD090801.D\ECD2B.ch

#1 Tetrachloro-m-xylene

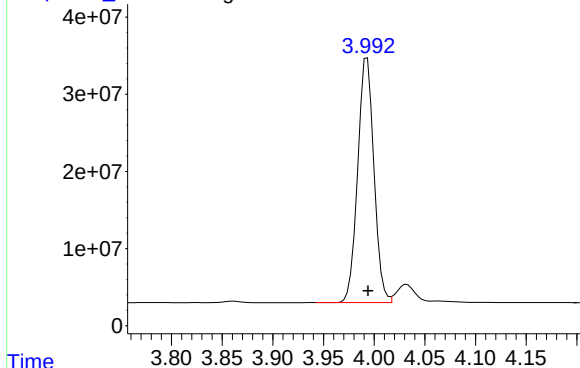
R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 1451286143  
Conc: 48.74 ng/ml



Response\_ Signal: PD090801.D\ECD1A.ch

#2 alpha-BHC

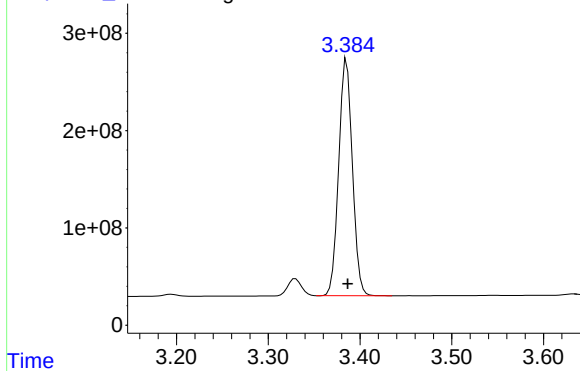
R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 354911649  
Conc: 49.45 ng/ml



Response\_ Signal: PD090801.D\ECD2B.ch

#2 alpha-BHC

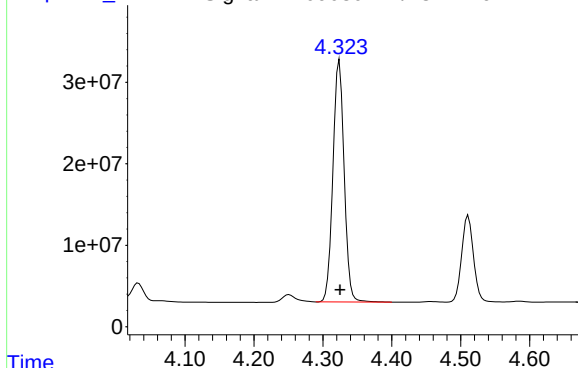
R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 2522068184  
Conc: 49.36 ng/ml



Response\_

Signal: PD090801.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 334966181  
Conc: 49.27 ng/ml

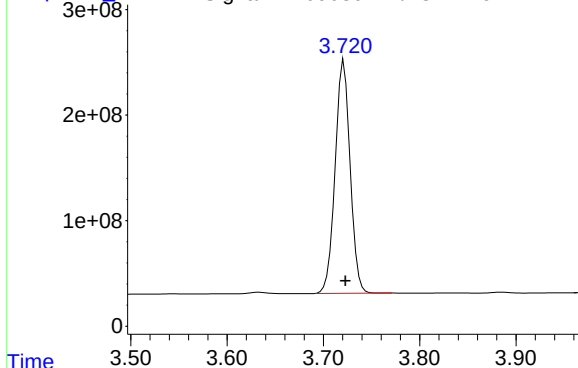
Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Time

Response

Signal: PD090801.D\ECD2B.ch

#3 gamma-BHC (Lindane)



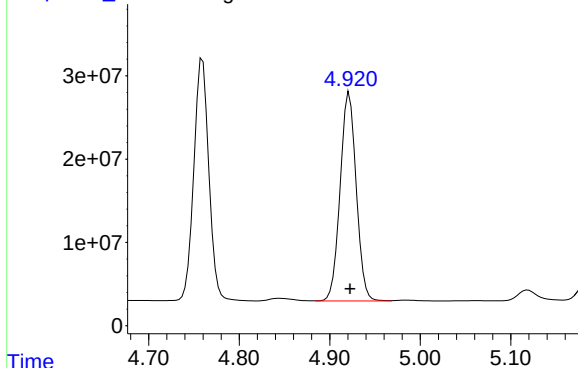
R.T.: 3.721 min  
Delta R.T.: -0.001 min  
Response: 2391092740  
Conc: 50.61 ng/ml

Time

Response\_

Signal: PD090801.D\ECD1A.ch

#4 Heptachlor



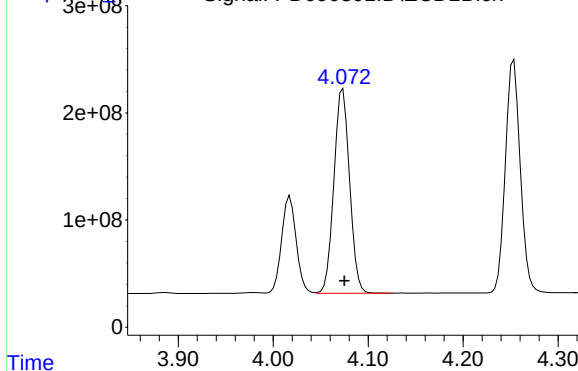
R.T.: 4.922 min  
Delta R.T.: -0.001 min  
Response: 308780326  
Conc: 55.24 ng/ml

Time

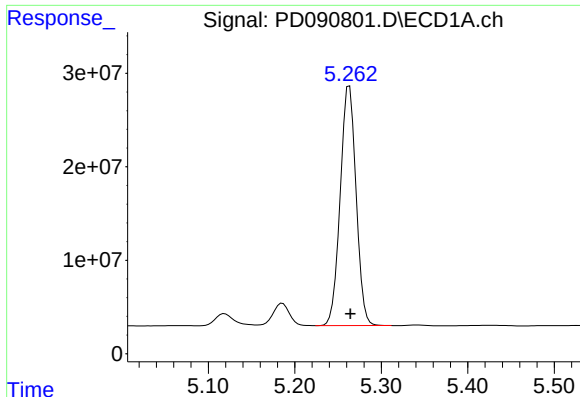
Response

Signal: PD090801.D\ECD2B.ch

#4 Heptachlor



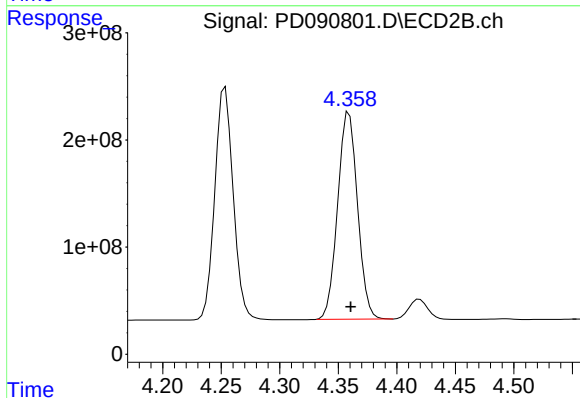
R.T.: 4.073 min  
Delta R.T.: -0.001 min  
Response: 2187300675  
Conc: 49.04 ng/ml



#5 Aldrin

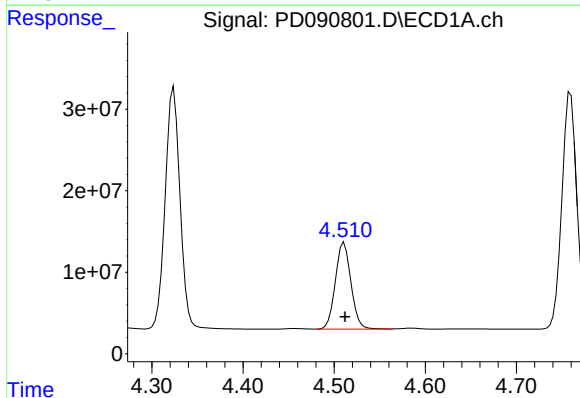
R.T.: 5.263 min  
Delta R.T.: -0.001 min  
Response: 324773713  
Conc: 49.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



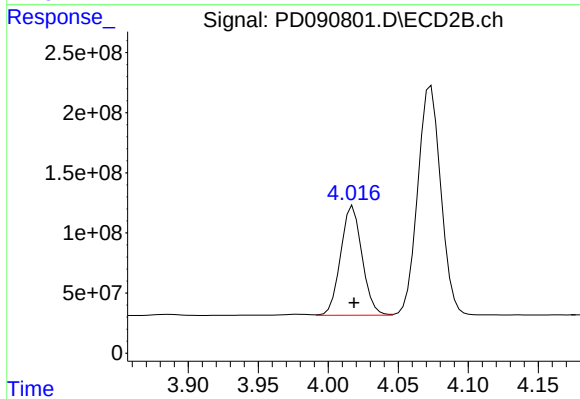
#5 Aldrin

R.T.: 4.359 min  
Delta R.T.: -0.001 min  
Response: 2284108303  
Conc: 49.31 ng/ml



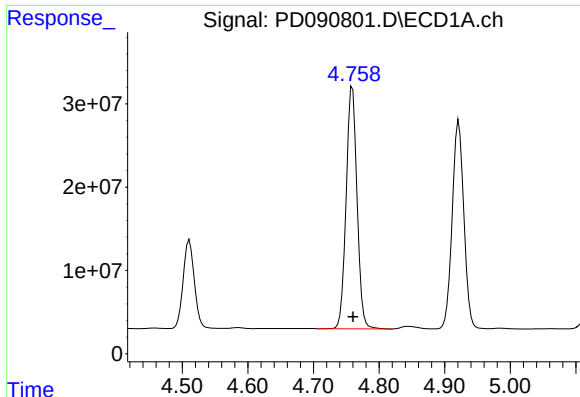
#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: -0.001 min  
Response: 126741101  
Conc: 48.38 ng/ml



#6 beta-BHC

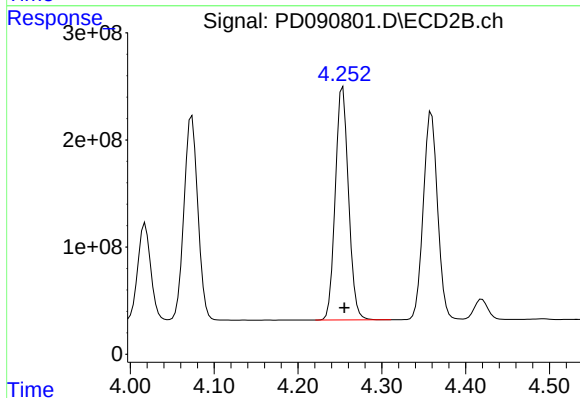
R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 967714220  
Conc: 48.80 ng/ml



#7 delta-BHC

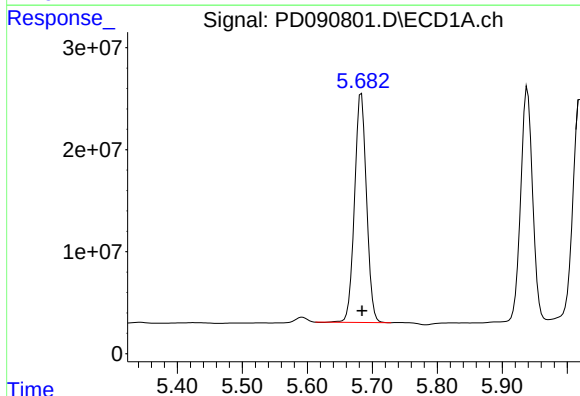
R.T.: 4.759 min  
Delta R.T.: 0.000 min  
Response: 335622109  
Conc: 49.64 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



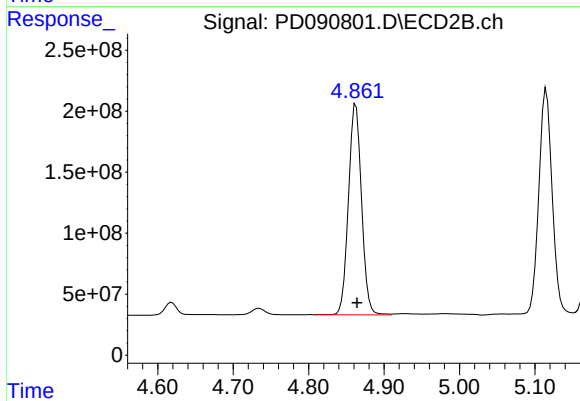
#7 delta-BHC

R.T.: 4.253 min  
Delta R.T.: -0.002 min  
Response: 2377980744  
Conc: 49.84 ng/ml



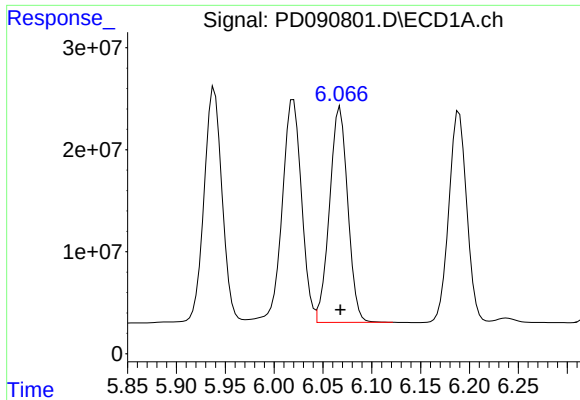
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: -0.001 min  
Response: 287024503  
Conc: 49.58 ng/ml



#8 Heptachlor epoxide

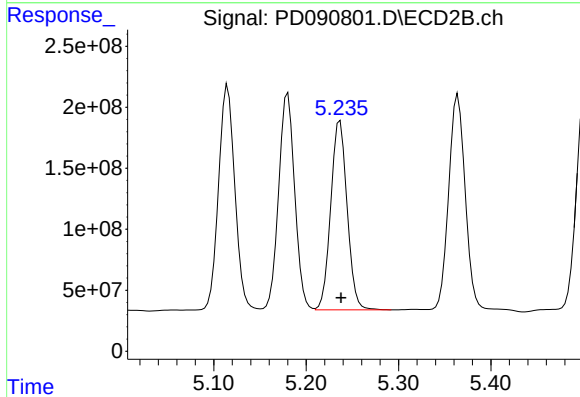
R.T.: 4.863 min  
Delta R.T.: -0.001 min  
Response: 2085864114  
Conc: 48.92 ng/ml



## #9 Endosulfan I

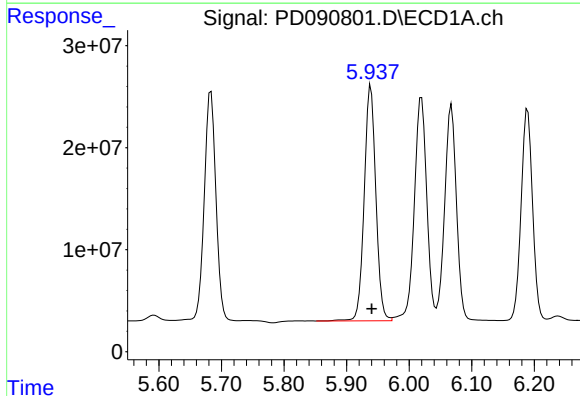
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 275149317  
Conc: 49.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



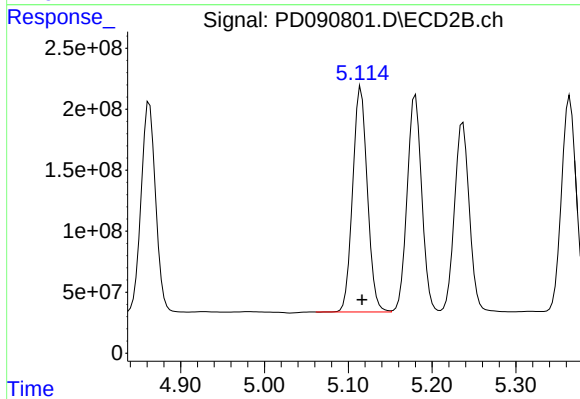
## #9 Endosulfan I

R.T.: 5.237 min  
Delta R.T.: -0.001 min  
Response: 1912577316  
Conc: 48.55 ng/ml



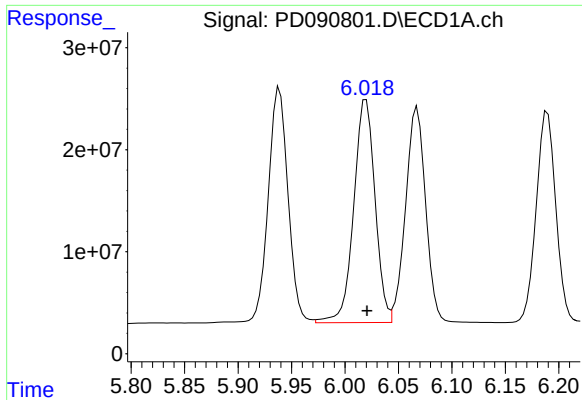
## #10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: -0.001 min  
Response: 297898717  
Conc: 50.23 ng/ml



## #10 gamma-Chlordane

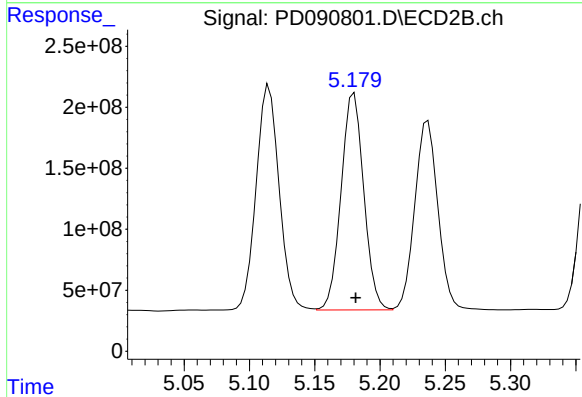
R.T.: 5.115 min  
Delta R.T.: -0.002 min  
Response: 2254119255  
Conc: 50.15 ng/ml



#11 alpha-Chlordane

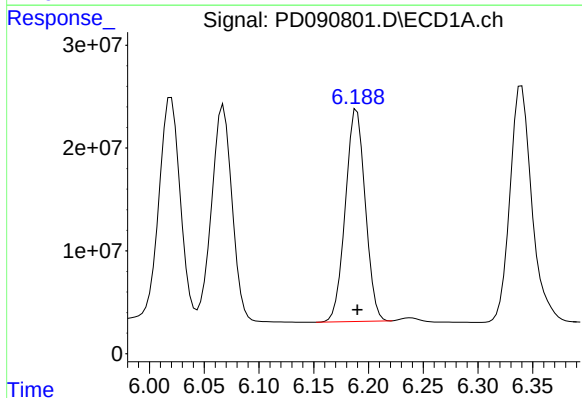
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 303421921  
Conc: 49.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



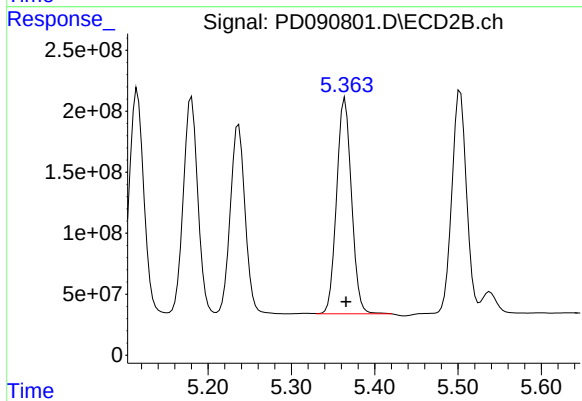
#11 alpha-Chlordane

R.T.: 5.180 min  
Delta R.T.: -0.001 min  
Response: 2147616149  
Conc: 49.79 ng/ml



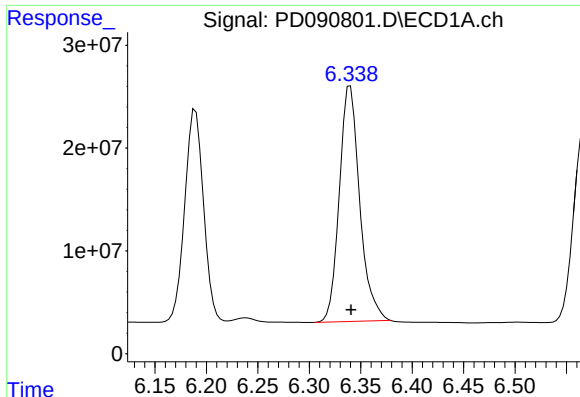
#12 4,4'-DDE

R.T.: 6.189 min  
Delta R.T.: 0.000 min  
Response: 260999948  
Conc: 49.00 ng/ml



#12 4,4'-DDE

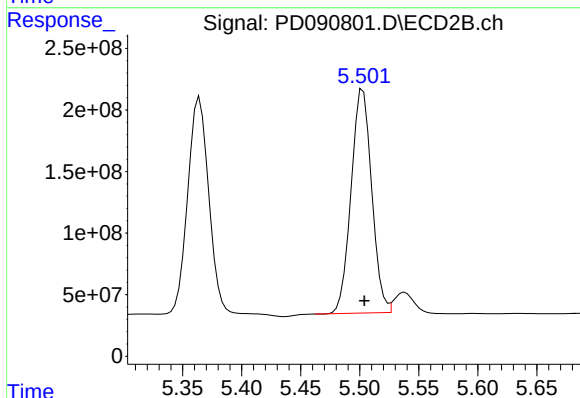
R.T.: 5.364 min  
Delta R.T.: -0.001 min  
Response: 2196539115  
Conc: 50.11 ng/ml



#13 Dieldrin

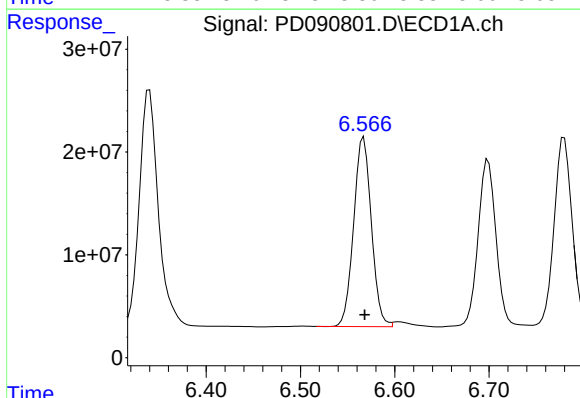
R.T.: 6.340 min  
Delta R.T.: 0.000 min  
Response: 316442236  
Conc: 54.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



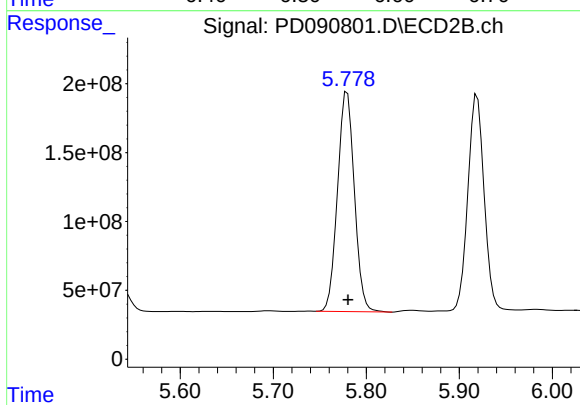
#13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: -0.001 min  
Response: 2208231144  
Conc: 49.98 ng/ml



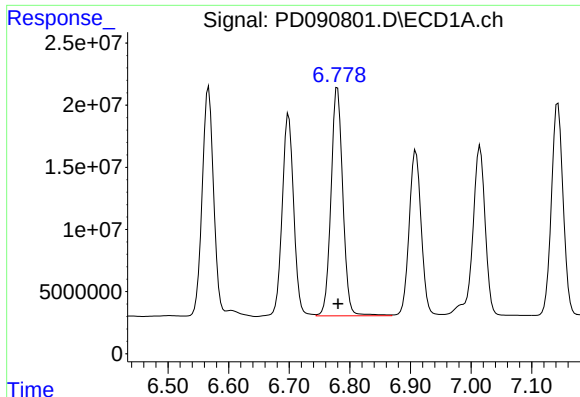
#14 Endrin

R.T.: 6.567 min  
Delta R.T.: -0.001 min  
Response: 240388293  
Conc: 48.53 ng/ml



#14 Endrin

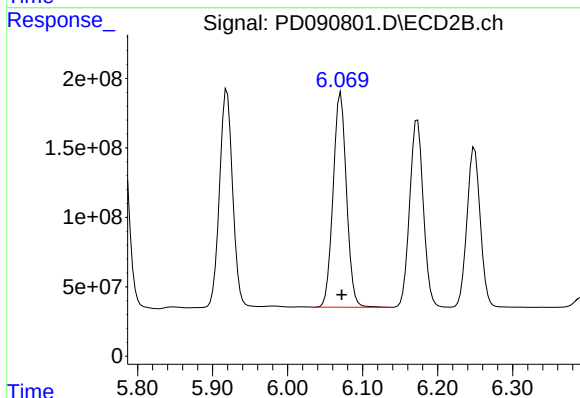
R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 2009257458  
Conc: 49.62 ng/ml



#15 Endosulfan II

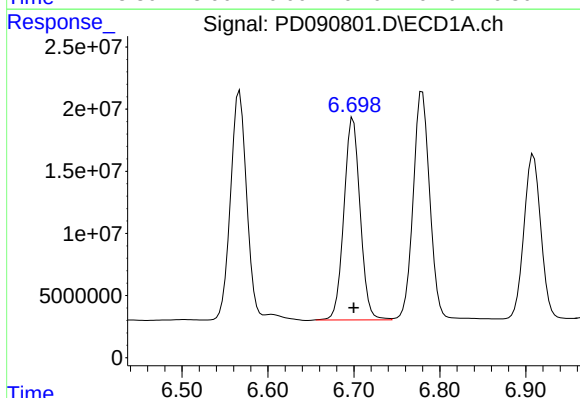
R.T.: 6.780 min  
Delta R.T.: -0.001 min  
Response: 249390209  
Conc: 49.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



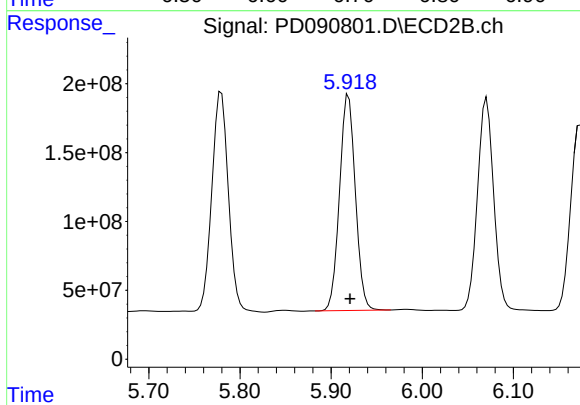
#15 Endosulfan II

R.T.: 6.071 min  
Delta R.T.: -0.001 min  
Response: 1915493832  
Conc: 51.00 ng/ml



#16 4,4'-DDD

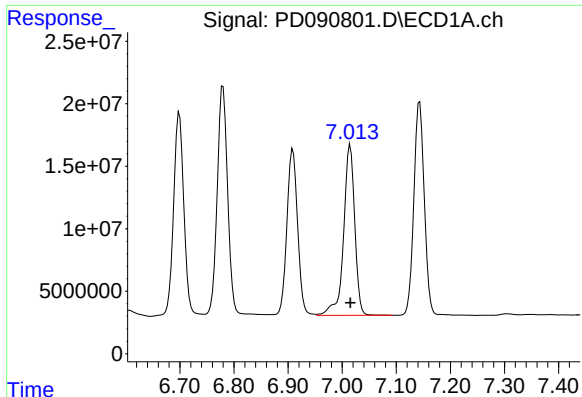
R.T.: 6.699 min  
Delta R.T.: -0.001 min  
Response: 214149918  
Conc: 52.82 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min  
Delta R.T.: -0.002 min  
Response: 1893015903  
Conc: 51.95 ng/ml

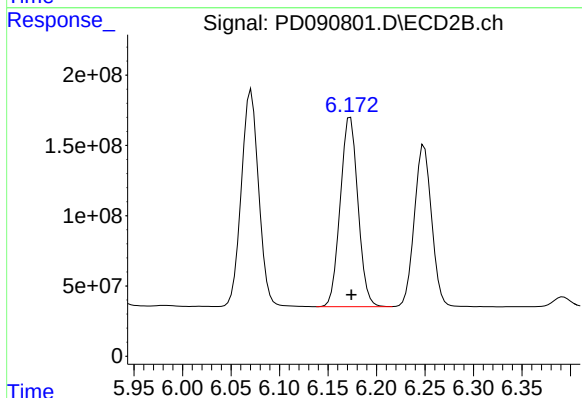




#17 4,4'-DDT

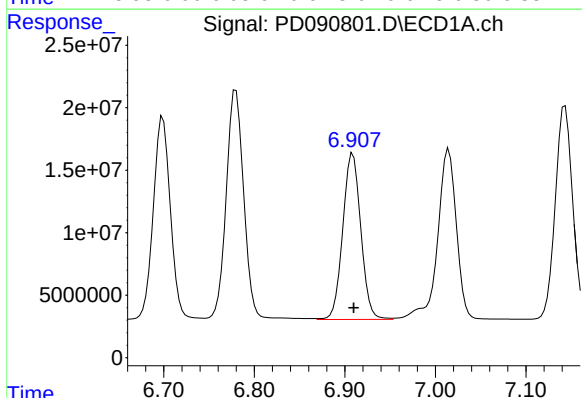
R.T.: 7.015 min  
Delta R.T.: 0.000 min  
Response: 196227958  
Conc: 47.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



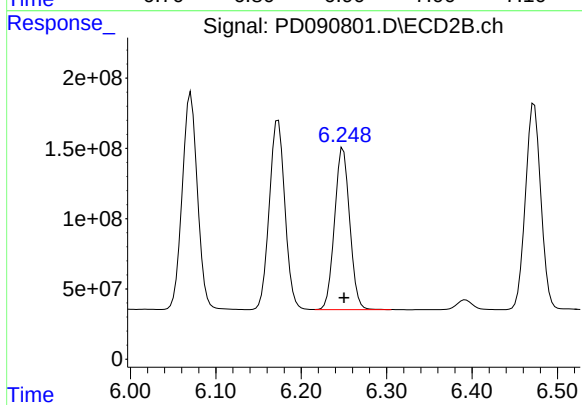
#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: 0.000 min  
Response: 1711414281  
Conc: 48.80 ng/ml



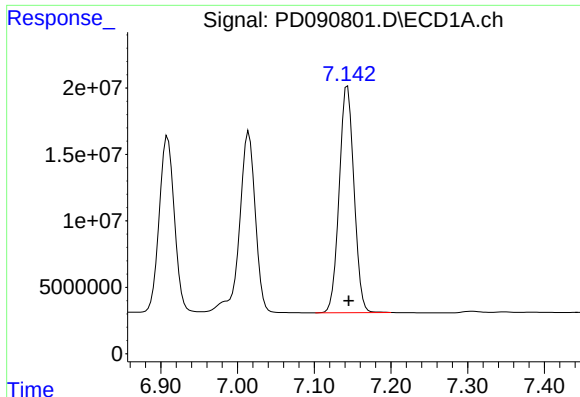
#18 Endrin aldehyde

R.T.: 6.909 min  
Delta R.T.: 0.000 min  
Response: 184127375  
Conc: 50.27 ng/ml



#18 Endrin aldehyde

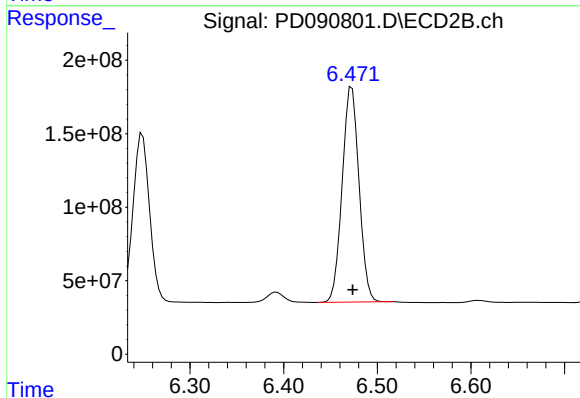
R.T.: 6.249 min  
Delta R.T.: -0.001 min  
Response: 1419820684  
Conc: 51.27 ng/ml



## #19 Endosulfan Sulfate

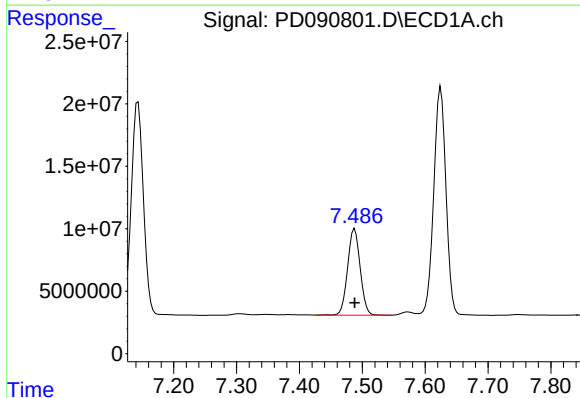
R.T.: 7.143 min  
Delta R.T.: -0.001 min  
Response: 228765351  
Conc: 49.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



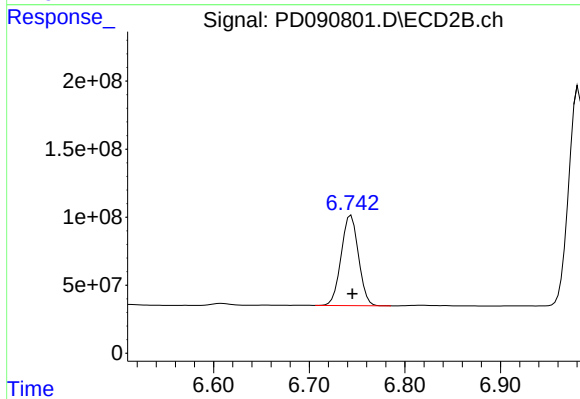
## #19 Endosulfan Sulfate

R.T.: 6.473 min  
Delta R.T.: -0.001 min  
Response: 1831504750  
Conc: 51.10 ng/ml



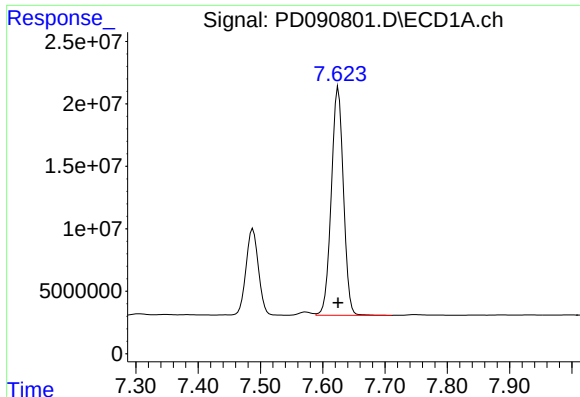
## #20 Methoxychlor

R.T.: 7.488 min  
Delta R.T.: 0.000 min  
Response: 96369018  
Conc: 45.34 ng/ml



## #20 Methoxychlor

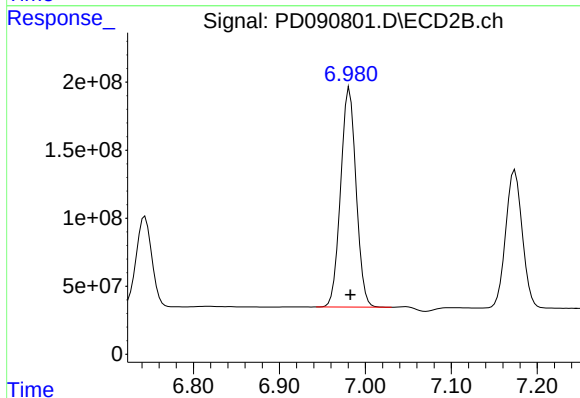
R.T.: 6.744 min  
Delta R.T.: -0.001 min  
Response: 837823575  
Conc: 48.07 ng/ml



#21 Endrin ketone

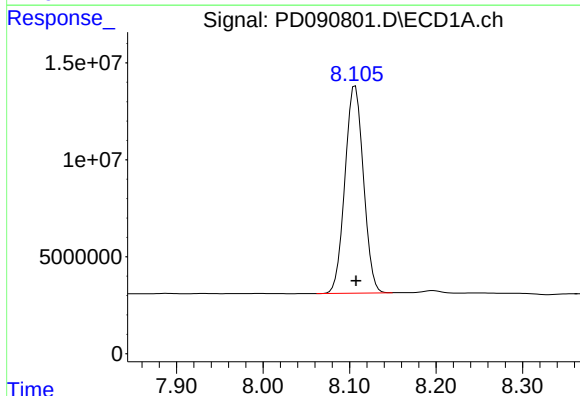
R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 246356294  
Conc: 50.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050



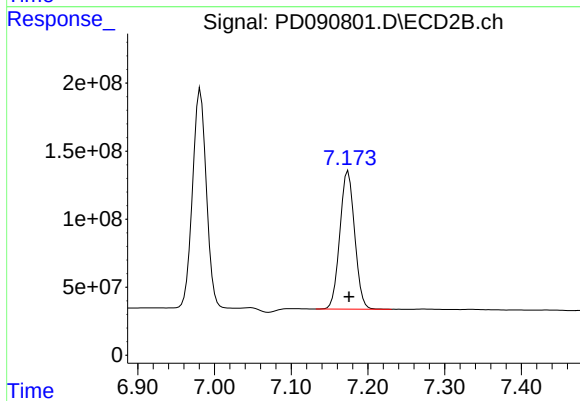
#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: -0.001 min  
Response: 2018117153  
Conc: 53.51 ng/ml



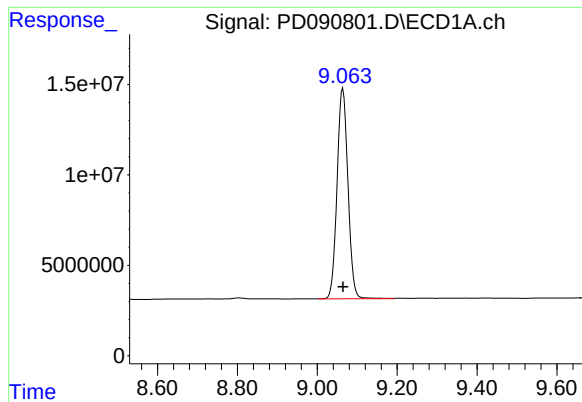
#22 Mirex

R.T.: 8.107 min  
Delta R.T.: 0.000 min  
Response: 158179219  
Conc: 49.42 ng/ml



#22 Mirex

R.T.: 7.174 min  
Delta R.T.: -0.001 min  
Response: 1359986095  
Conc: 52.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min

Delta R.T.: 0.000 min

Response: 219925549

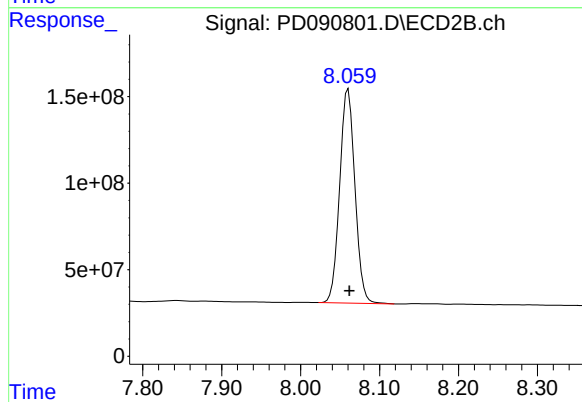
Conc: 47.01 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min

Delta R.T.: -0.001 min

Response: 1659514159

Conc: 54.79 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 10:24

Initial Calibration Time(s): 11:34

12:28

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       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.55      | 3.45      | 3.65 | 0.01       |
| alpha-BHC            | 3.99       | 3.99      | 3.89      | 4.09 | 0.00       |
| beta-BHC             | 4.51       | 4.51      | 4.41      | 4.61 | 0.00       |
| delta-BHC            | 4.76       | 4.76      | 4.66      | 4.86 | 0.00       |
| gamma-BHC (Lindane)  | 4.32       | 4.33      | 4.23      | 4.43 | 0.01       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 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        | 6.78       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.70       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.14       | 7.15      | 7.05      | 7.25 | 0.01       |
| 4,4'-DDT             | 7.01       | 7.02      | 6.92      | 7.12 | 0.01       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.62       | 7.63      | 7.53      | 7.73 | 0.01       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 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       |



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

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 10:24

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.01       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.36       | 5.37      | 5.27      | 5.47 | 0.01       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.12       | 5.12      | 5.02      | 5.22 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 10/24/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.699 | 6.600     | 6.800 | 55.380             | 50.000            | 10.8 |
| 4,4'-DDE             | 6.189 | 6.090     | 6.290 | 50.030             | 50.000            | 0.1  |
| 4,4'-DDT             | 7.014 | 6.915     | 7.115 | 50.520             | 50.000            | 1.0  |
| Aldrin               | 5.263 | 5.164     | 5.364 | 51.550             | 50.000            | 3.1  |
| alpha-BHC            | 3.993 | 3.894     | 4.094 | 51.540             | 50.000            | 3.1  |
| alpha-Chlordane      | 6.020 | 5.921     | 6.121 | 51.380             | 50.000            | 2.8  |
| beta-BHC             | 4.511 | 4.412     | 4.612 | 49.860             | 50.000            | -0.3 |
| Decachlorobiphenyl   | 9.063 | 8.964     | 9.164 | 48.730             | 50.000            | -2.5 |
| delta-BHC            | 4.760 | 4.660     | 4.860 | 51.520             | 50.000            | 3.0  |
| Dieldrin             | 6.340 | 6.240     | 6.440 | 55.800             | 50.000            | 11.6 |
| Endosulfan I         | 6.067 | 5.968     | 6.168 | 51.320             | 50.000            | 2.6  |
| Endosulfan II        | 6.778 | 6.681     | 6.881 | 49.740             | 50.000            | -0.5 |
| Endosulfan sulfate   | 7.143 | 7.045     | 7.245 | 50.570             | 50.000            | 1.1  |
| Endrin               | 6.567 | 6.468     | 6.668 | 50.080             | 50.000            | 0.2  |
| Endrin aldehyde      | 6.909 | 6.810     | 7.010 | 52.370             | 50.000            | 4.7  |
| Endrin ketone        | 7.623 | 7.525     | 7.725 | 52.490             | 50.000            | 5.0  |
| gamma-BHC (Lindane)  | 4.324 | 4.225     | 4.425 | 51.120             | 50.000            | 2.2  |
| gamma-Chlordane      | 5.938 | 5.840     | 6.040 | 50.750             | 50.000            | 1.5  |
| Heptachlor           | 4.922 | 4.823     | 5.023 | 59.240             | 50.000            | 18.5 |
| Heptachlor epoxide   | 5.684 | 5.584     | 5.784 | 52.170             | 50.000            | 4.3  |
| Methoxychlor         | 7.487 | 7.388     | 7.588 | 48.960             | 50.000            | -2.1 |
| Tetrachloro-m-xylene | 3.544 | 3.445     | 3.645 | 49.610             | 50.000            | -0.8 |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 10/24/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.919 | 5.821     | 6.021 | 52.590             | 50.000            | 5.2  |
| 4,4'-DDE             | 5.364 | 5.266     | 5.466 | 51.080             | 50.000            | 2.2  |
| 4,4'-DDT             | 6.172 | 6.074     | 6.274 | 50.520             | 50.000            | 1.0  |
| Aldrin               | 4.358 | 4.261     | 4.461 | 49.660             | 50.000            | -0.7 |
| alpha-BHC            | 3.385 | 3.287     | 3.487 | 49.840             | 50.000            | -0.3 |
| alpha-Chlordane      | 5.179 | 5.081     | 5.281 | 50.210             | 50.000            | 0.4  |
| beta-BHC             | 4.017 | 3.919     | 4.119 | 48.770             | 50.000            | -2.5 |
| Decachlorobiphenyl   | 8.059 | 7.962     | 8.162 | 55.840             | 50.000            | 11.7 |
| delta-BHC            | 4.253 | 4.155     | 4.355 | 50.140             | 50.000            | 0.3  |
| Dieldrin             | 5.502 | 5.404     | 5.604 | 50.560             | 50.000            | 1.1  |
| Endosulfan I         | 5.236 | 5.138     | 5.338 | 46.190             | 50.000            | -7.6 |
| Endosulfan II        | 6.070 | 5.972     | 6.172 | 51.500             | 50.000            | 3.0  |
| Endosulfan sulfate   | 6.472 | 6.374     | 6.574 | 51.430             | 50.000            | 2.9  |
| Endrin               | 5.779 | 5.681     | 5.881 | 49.400             | 50.000            | -1.2 |
| Endrin aldehyde      | 6.249 | 6.150     | 6.350 | 51.900             | 50.000            | 3.8  |
| Endrin ketone        | 6.980 | 6.883     | 7.083 | 54.440             | 50.000            | 8.9  |
| gamma-BHC (Lindane)  | 3.721 | 3.623     | 3.823 | 51.130             | 50.000            | 2.3  |
| gamma-Chlordane      | 5.115 | 5.017     | 5.217 | 50.540             | 50.000            | 1.1  |
| Heptachlor           | 4.073 | 3.975     | 4.175 | 50.250             | 50.000            | 0.5  |
| Heptachlor epoxide   | 4.862 | 4.764     | 4.964 | 49.290             | 50.000            | -1.4 |
| Methoxychlor         | 6.743 | 6.645     | 6.845 | 50.170             | 50.000            | 0.3  |
| Tetrachloro-m-xylene | 2.874 | 2.775     | 2.975 | 49.240             | 50.000            | -1.5 |



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
 Data File : PD090810.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2025 10:24  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025  
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 23:34:31 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|--------|
| -----                       |                 |       |       |         |          |         |        |
| System Monitoring Compounds |                 |       |       |         |          |         |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 154.5E6 | 1466.1E6 | 49.606  | 49.236 |
| 28)                         | SA Decachlor... | 9.063 | 8.059 | 227.9E6 | 1691.6E6 | 48.726  | 55.844 |
| Target Compounds            |                 |       |       |         |          |         |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 369.9E6 | 2546.4E6 | 51.536  | 49.836 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.721 | 347.6E6 | 2415.9E6 | 51.120  | 51.131 |
| 4)                          | MA Heptachlor   | 4.922 | 4.073 | 331.1E6 | 2241.2E6 | 59.242  | 50.248 |
| 5)                          | MB Aldrin       | 5.263 | 4.358 | 337.5E6 | 2300.3E6 | 51.553  | 49.662 |
| 6)                          | B beta-BHC      | 4.511 | 4.017 | 130.6E6 | 967.1E6  | 49.857  | 48.771 |
| 7)                          | B delta-BHC     | 4.760 | 4.253 | 348.4E6 | 2392.3E6 | 51.521  | 50.135 |
| 8)                          | B Heptachlo...  | 5.684 | 4.862 | 302.0E6 | 2101.9E6 | 52.173  | 49.295 |
| 9)                          | A Endosulfan I  | 6.067 | 5.236 | 284.2E6 | 1819.3E6 | 51.323  | 46.186 |
| 10)                         | B gamma-Chl...  | 5.938 | 5.115 | 301.0E6 | 2271.9E6 | 50.748  | 50.544 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.179 | 317.5E6 | 2165.8E6 | 51.379  | 50.206 |
| 12)                         | B 4,4'-DDE      | 6.189 | 5.364 | 266.5E6 | 2239.4E6 | 50.032  | 51.083 |
| 13)                         | MA Dieldrin     | 6.340 | 5.502 | 325.4E6 | 2234.0E6 | 55.802  | 50.561 |
| 14)                         | MA Endrin       | 6.567 | 5.779 | 248.1E6 | 2000.4E6 | 50.078  | 49.401 |
| 15)                         | B Endosulfa...  | 6.778 | 6.070 | 248.7E6 | 1934.2E6 | 49.743m | 51.504 |
| 16)                         | A 4,4'-DDD      | 6.699 | 5.919 | 224.5E6 | 1916.1E6 | 55.375  | 52.586 |
| 17)                         | MA 4,4'-DDT     | 7.014 | 6.172 | 207.7E6 | 1772.0E6 | 50.521  | 50.523 |
| 18)                         | B Endrin al...  | 6.909 | 6.249 | 191.8E6 | 1437.4E6 | 52.370  | 51.904 |
| 19)                         | B Endosulfa...  | 7.143 | 6.472 | 234.6E6 | 1843.5E6 | 50.572  | 51.430 |
| 20)                         | A Methoxychlor  | 7.487 | 6.743 | 104.1E6 | 874.4E6  | 48.960  | 50.175 |
| 21)                         | B Endrin ke...  | 7.623 | 6.980 | 255.0E6 | 2053.5E6 | 52.486  | 54.444 |
| 22)                         | Mirex           | 8.106 | 7.173 | 163.2E6 | 1374.6E6 | 50.972  | 53.504 |
| -----                       |                 |       |       |         |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090810.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 10:24  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

## Manual Integrations

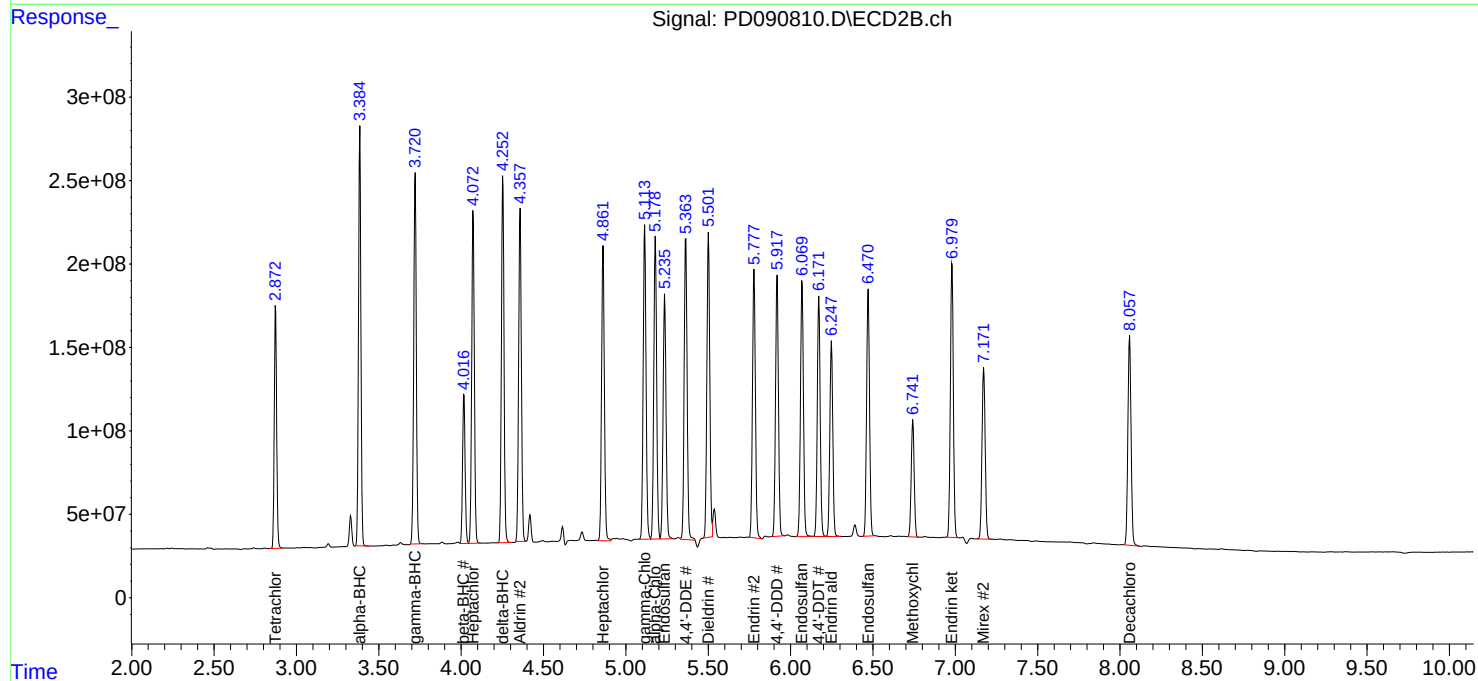
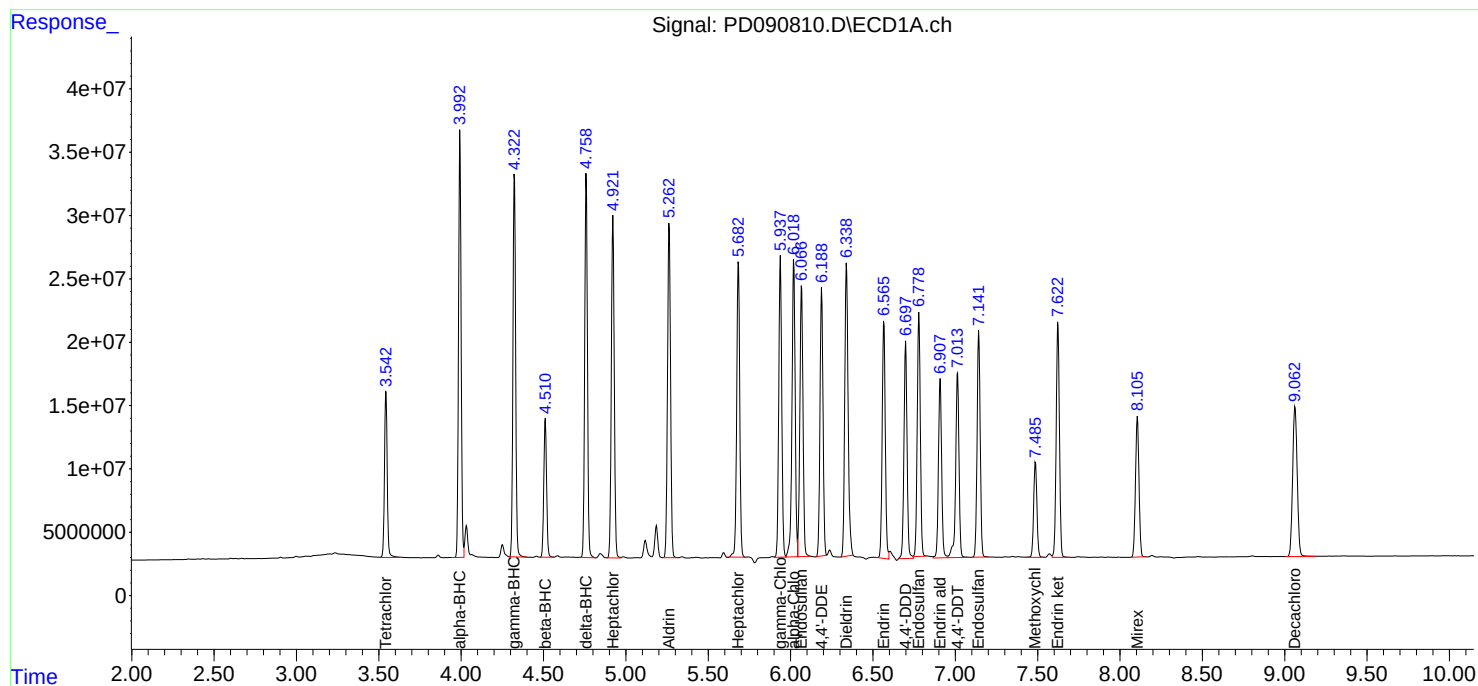
## APPROVED

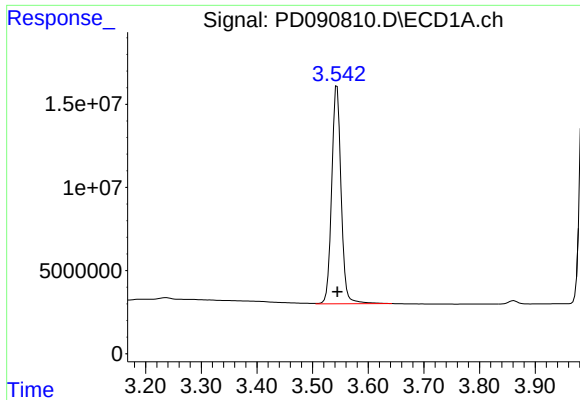
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:34:31 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





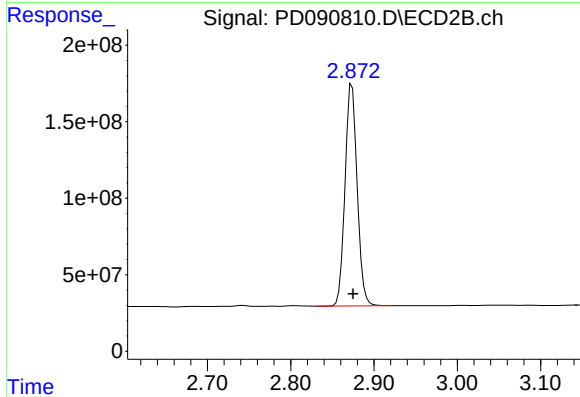
## #1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 154480391  
Conc: 49.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

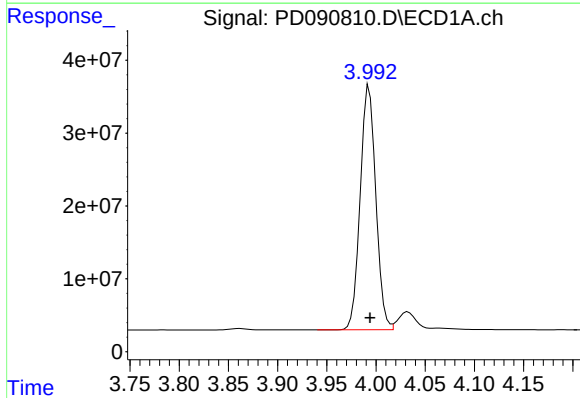
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



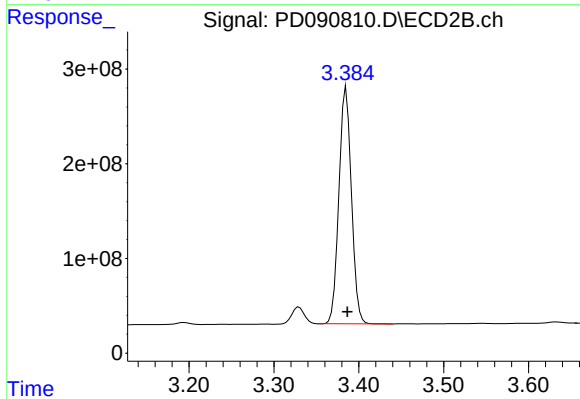
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: -0.001 min  
Response: 1466093108  
Conc: 49.24 ng/ml



## #2 alpha-BHC

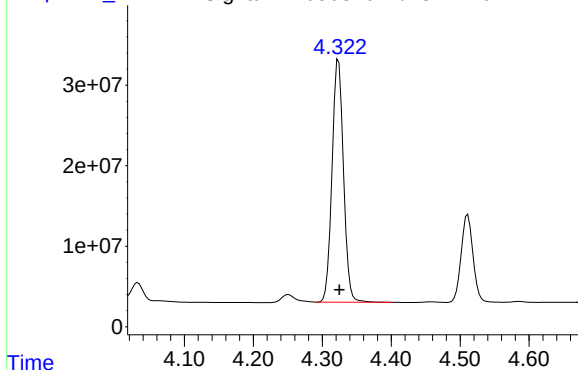
R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 369883848  
Conc: 51.54 ng/ml



## #2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.001 min  
Response: 2546419707  
Conc: 49.84 ng/ml

Response\_ Signal: PD090810.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: -0.001 min  
Response: 347557636  
Conc: 51.12 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PSTDCCC050

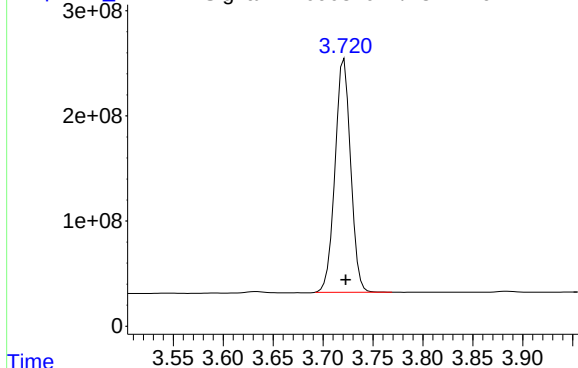
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

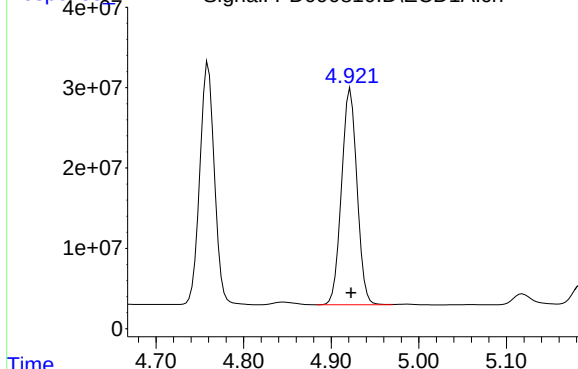
Response\_ Signal: PD090810.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.001 min  
Response: 2415892986  
Conc: 51.13 ng/ml

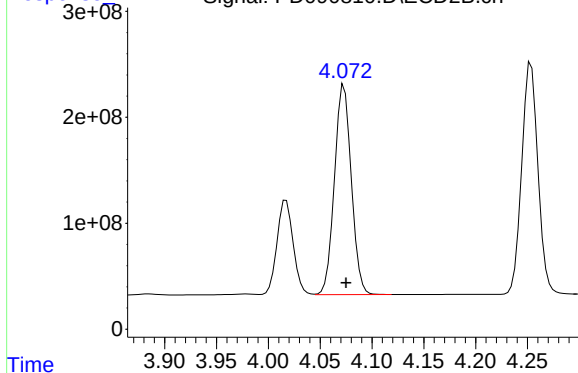
Response\_ Signal: PD090810.D\ECD1A.ch



#4 Heptachlor

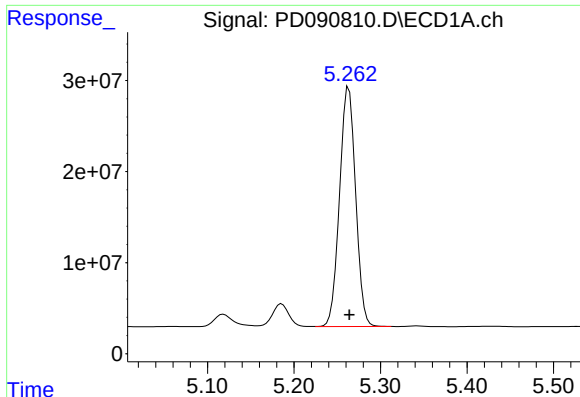
R.T.: 4.922 min  
Delta R.T.: 0.000 min  
Response: 331137384  
Conc: 59.24 ng/ml

Response\_ Signal: PD090810.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.073 min  
Delta R.T.: -0.002 min  
Response: 2241192821  
Conc: 50.25 ng/ml



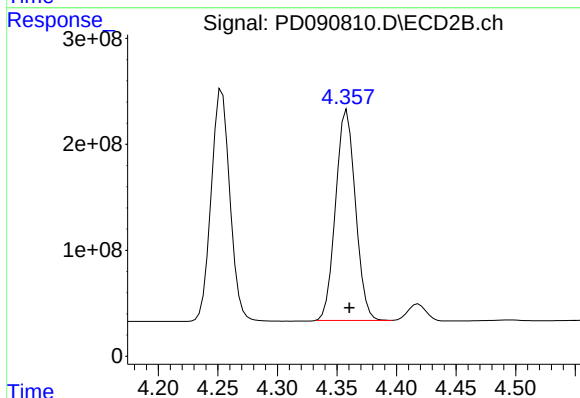
#5 Aldrin

R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 337534314  
Conc: 51.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

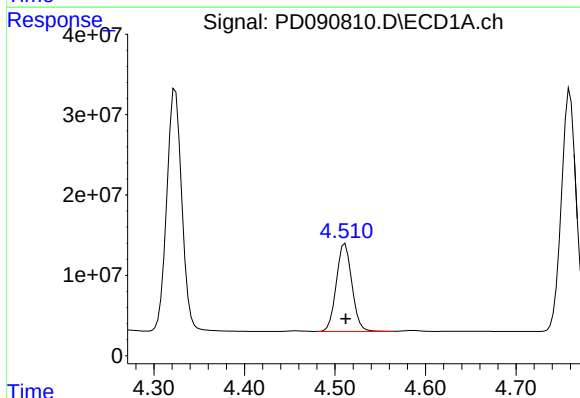
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



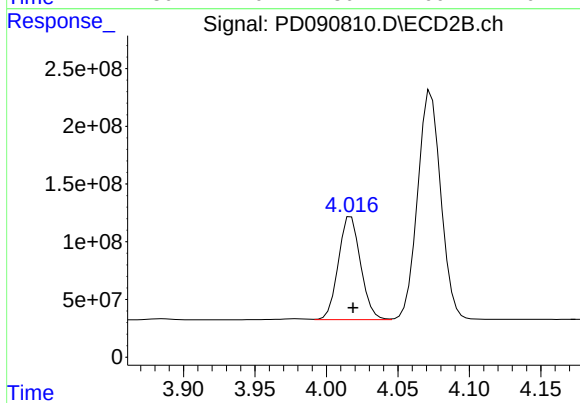
#5 Aldrin

R.T.: 4.358 min  
Delta R.T.: -0.002 min  
Response: 2300267397  
Conc: 49.66 ng/ml



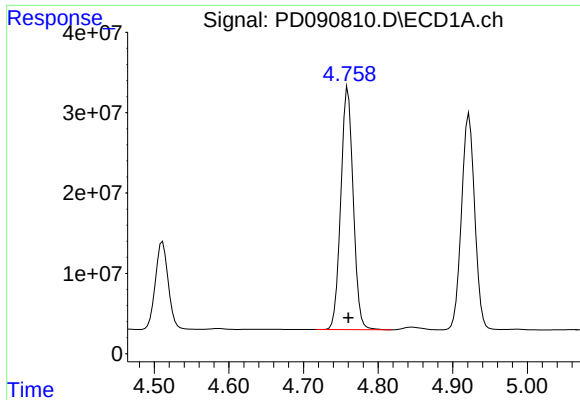
#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: 0.000 min  
Response: 130607631  
Conc: 49.86 ng/ml



#6 beta-BHC

R.T.: 4.017 min  
Delta R.T.: -0.001 min  
Response: 967103278  
Conc: 48.77 ng/ml



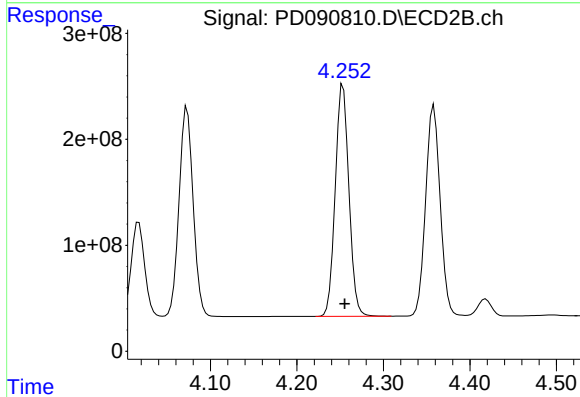
#7 delta-BHC

R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 348370261  
Conc: 51.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

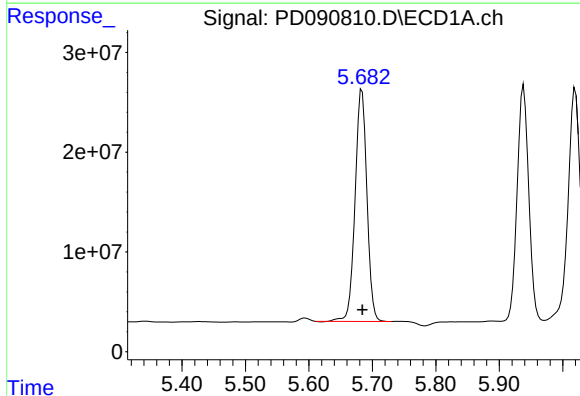
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 10/28/2025



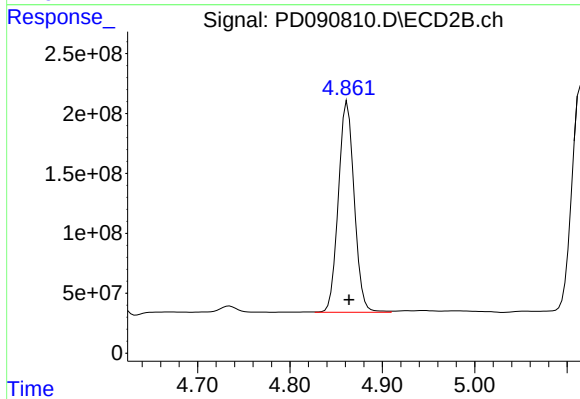
#7 delta-BHC

R.T.: 4.253 min  
Delta R.T.: -0.002 min  
Response: 2392287495  
Conc: 50.14 ng/ml



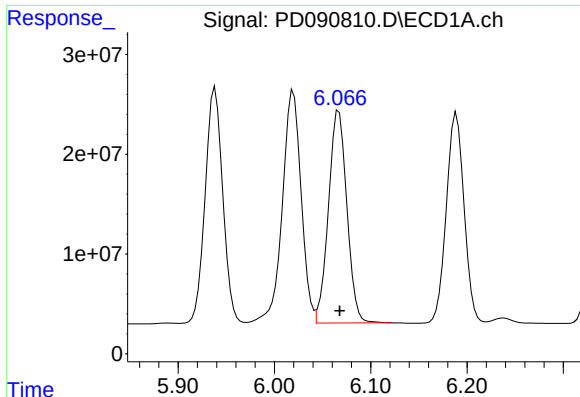
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 302033129  
Conc: 52.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min  
Delta R.T.: -0.002 min  
Response: 2101868941  
Conc: 49.29 ng/ml



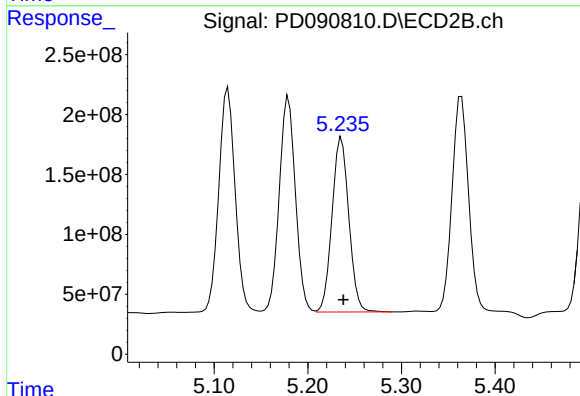
## #9 Endosulfan I

R.T.: 6.067 min  
Delta R.T.: 0.000 min  
Response: 284159623  
Conc: 51.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

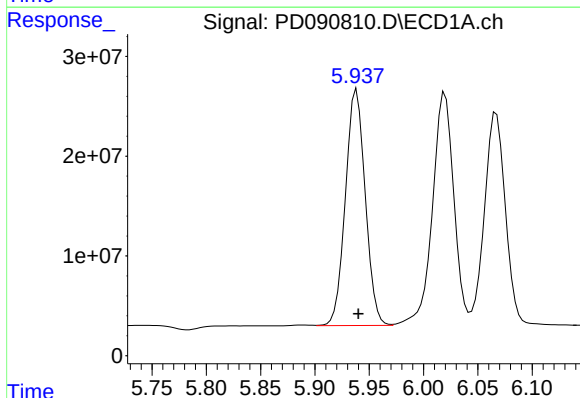
Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025



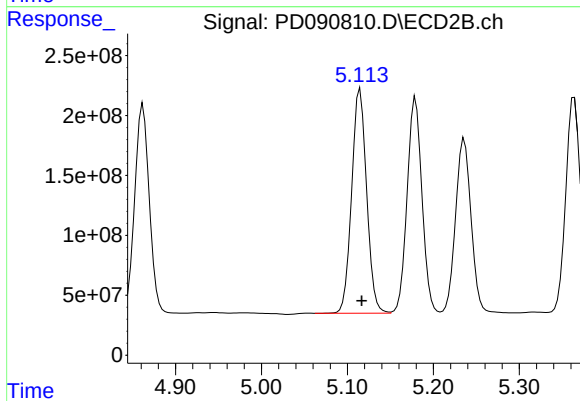
## #9 Endosulfan I

R.T.: 5.236 min  
Delta R.T.: -0.002 min  
Response: 1819294266  
Conc: 46.19 ng/ml



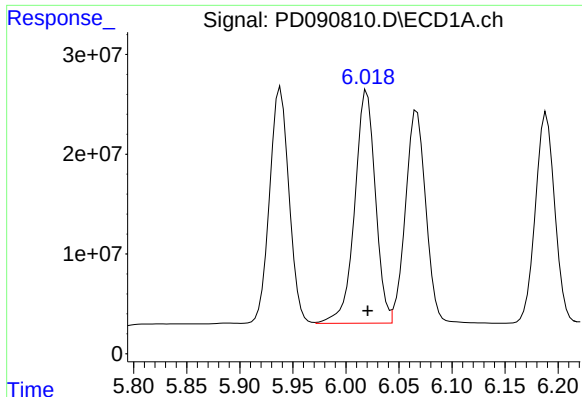
## #10 gamma-Chlordane

R.T.: 5.938 min  
Delta R.T.: -0.002 min  
Response: 300992690  
Conc: 50.75 ng/ml



## #10 gamma-Chlordane

R.T.: 5.115 min  
Delta R.T.: -0.002 min  
Response: 2271895336  
Conc: 50.54 ng/ml



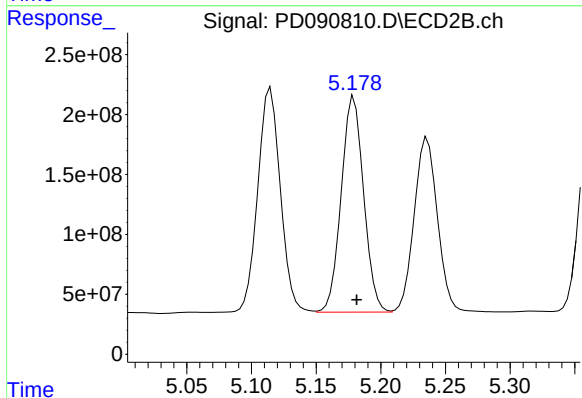
#11 alpha-Chlordane

R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 317532577  
Conc: 51.38 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

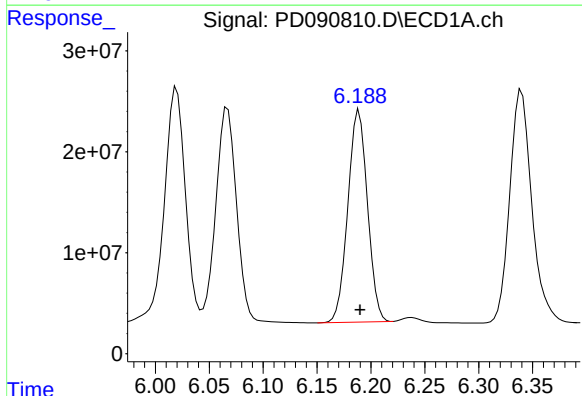
Manual Integrations  
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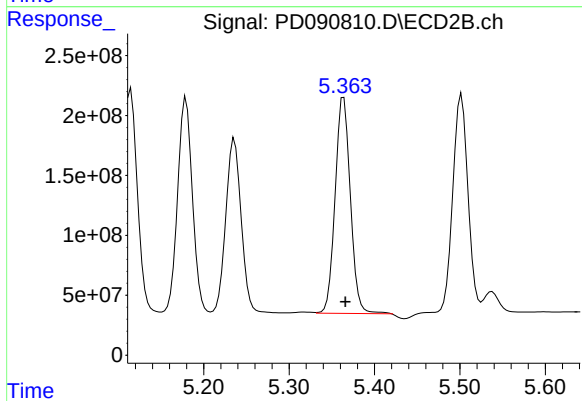
#11 alpha-Chlordane

R.T.: 5.179 min  
Delta R.T.: -0.002 min  
Response: 2165782642  
Conc: 50.21 ng/ml



#12 4,4'-DDE

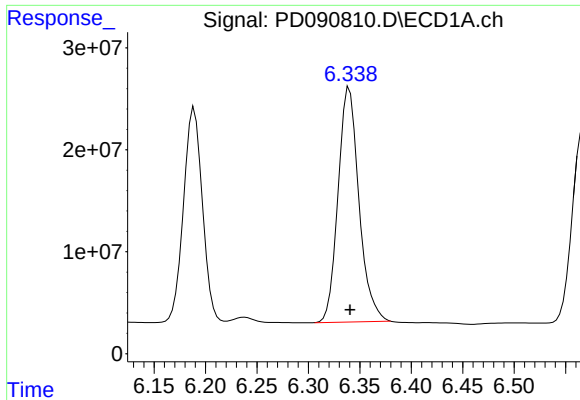
R.T.: 6.189 min  
Delta R.T.: 0.000 min  
Response: 266500298  
Conc: 50.03 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min  
Delta R.T.: -0.002 min  
Response: 2239390091  
Conc: 51.08 ng/ml





#13 Dieldrin

R.T.: 6.340 min  
Delta R.T.: 0.000 min  
Response: 325401316  
Conc: 55.80 ng/ml

Instrument :

ECD\_D

ClientSampleId :

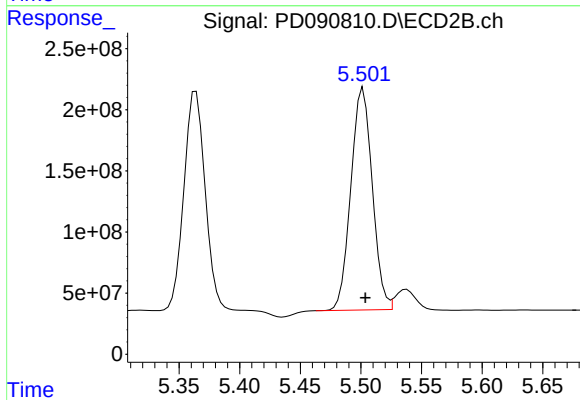
PSTDCCC050

## Manual Integrations

APPROVED

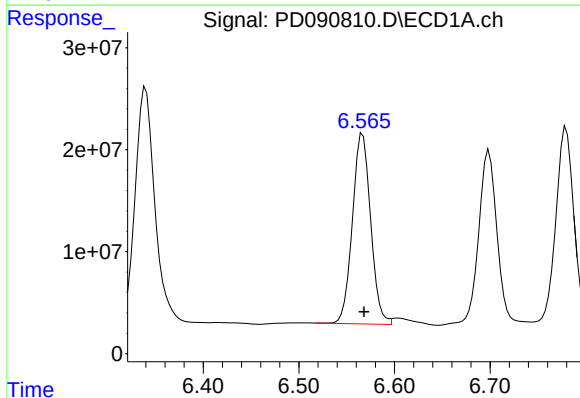
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



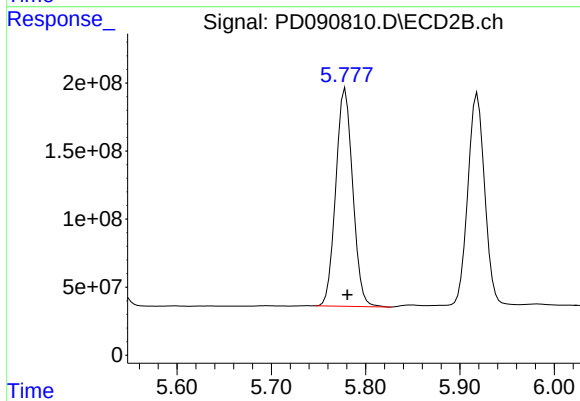
#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: -0.002 min  
Response: 2233996959  
Conc: 50.56 ng/ml



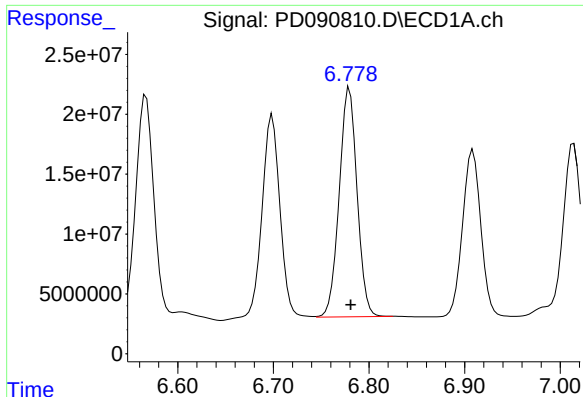
#14 Endrin

R.T.: 6.567 min  
Delta R.T.: -0.001 min  
Response: 248073718  
Conc: 50.08 ng/ml



#14 Endrin

R.T.: 5.779 min  
Delta R.T.: -0.002 min  
Response: 2000446254  
Conc: 49.40 ng/ml



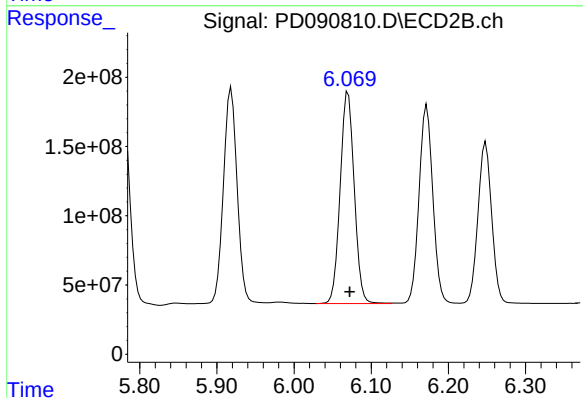
## #15 Endosulfan II

R.T.: 6.778 min  
Delta R.T.: -0.003 min  
Response: 248714198  
Conc: 49.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

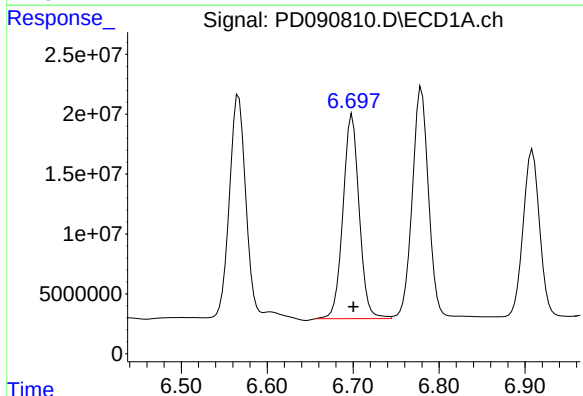
Manual Integrations  
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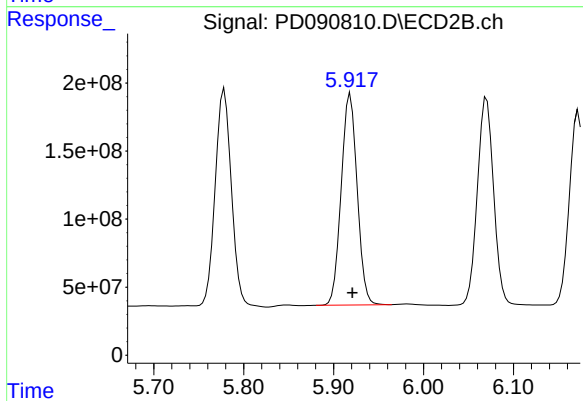
## #15 Endosulfan II

R.T.: 6.070 min  
Delta R.T.: -0.002 min  
Response: 1934240432  
Conc: 51.50 ng/ml



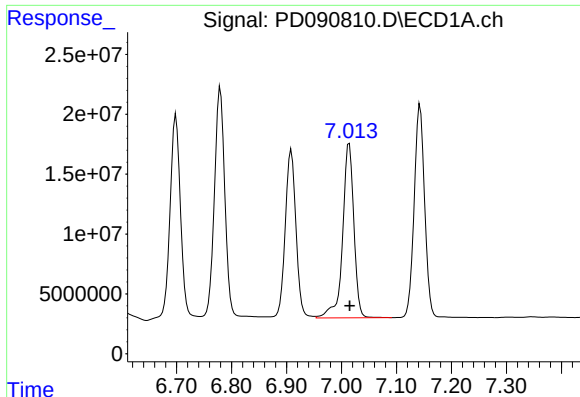
## #16 4,4'-DDD

R.T.: 6.699 min  
Delta R.T.: -0.001 min  
Response: 224503104  
Conc: 55.38 ng/ml



## #16 4,4'-DDD

R.T.: 5.919 min  
Delta R.T.: -0.002 min  
Response: 1916117191  
Conc: 52.59 ng/ml



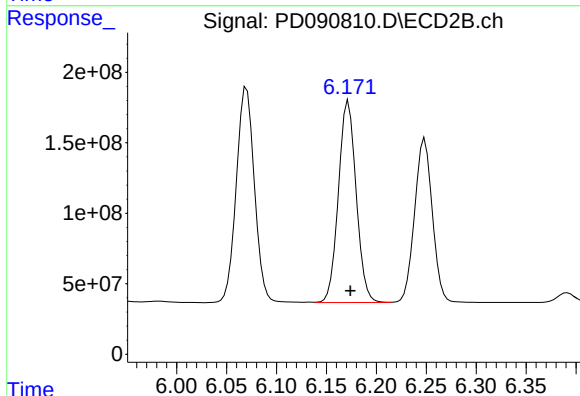
#17 4,4'-DDT

R.T.: 7.014 min  
Delta R.T.: -0.001 min  
Response: 207666261  
Conc: 50.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

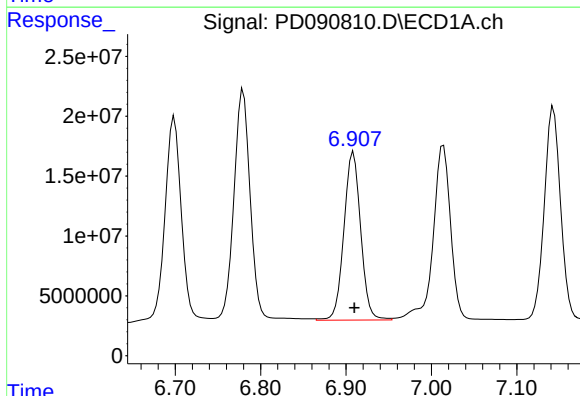
Manual Integrations  
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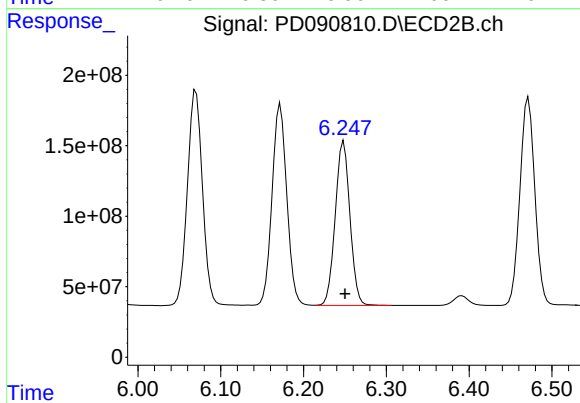
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 1772004799  
Conc: 50.52 ng/ml



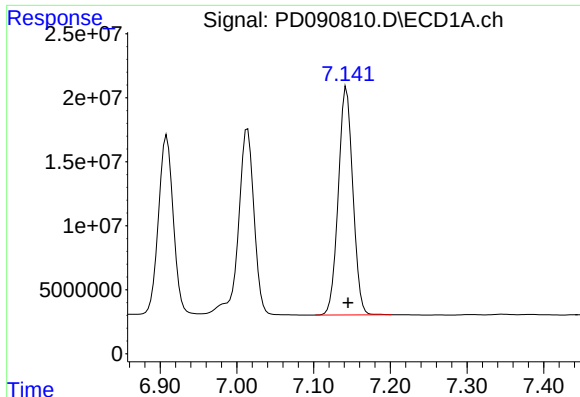
#18 Endrin aldehyde

R.T.: 6.909 min  
Delta R.T.: -0.001 min  
Response: 191815732  
Conc: 52.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min  
Delta R.T.: -0.002 min  
Response: 1437379924  
Conc: 51.90 ng/ml



## #19 Endosulfan Sulfate

R.T.: 7.143 min  
Delta R.T.: -0.002 min  
Response: 234564689  
Conc: 50.57 ng/ml

Instrument :

ECD\_D

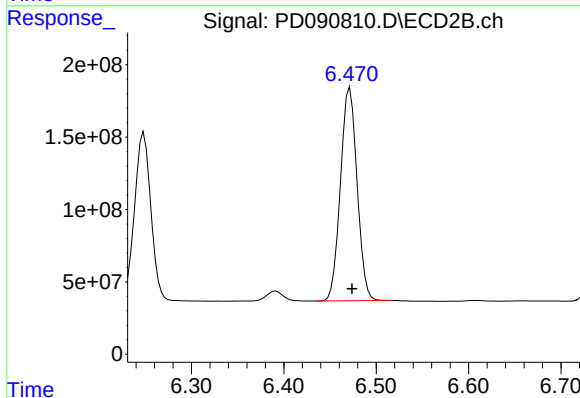
ClientSampleId :

PSTDCCC050

## Manual Integrations

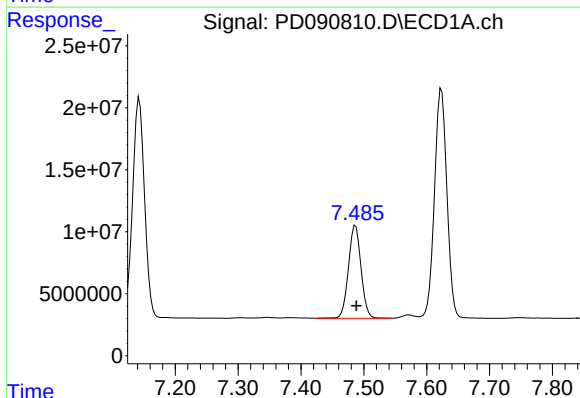
APPROVED

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Supervised By :mohammad ahmed 10/28/2025



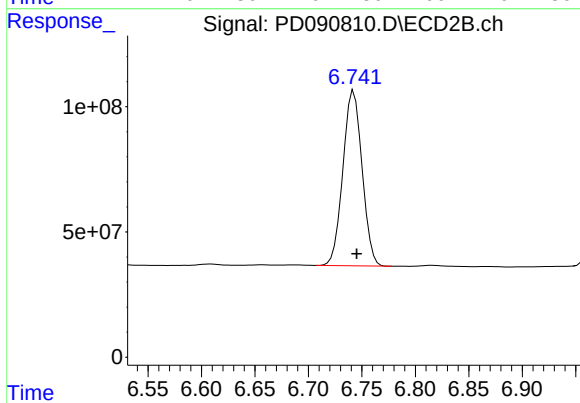
## #19 Endosulfan Sulfate

R.T.: 6.472 min  
Delta R.T.: -0.002 min  
Response: 1843525414  
Conc: 51.43 ng/ml



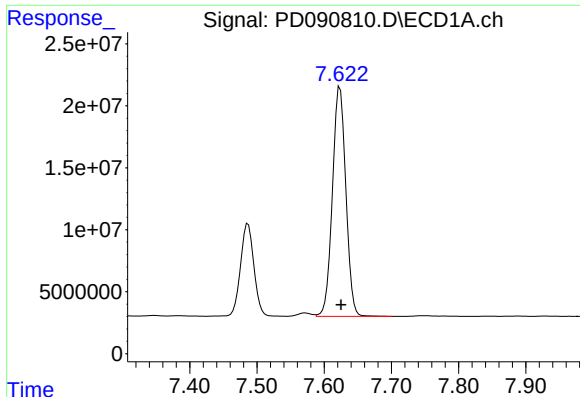
## #20 Methoxychlor

R.T.: 7.487 min  
Delta R.T.: -0.001 min  
Response: 104067728  
Conc: 48.96 ng/ml



## #20 Methoxychlor

R.T.: 6.743 min  
Delta R.T.: -0.003 min  
Response: 874434654  
Conc: 50.17 ng/ml



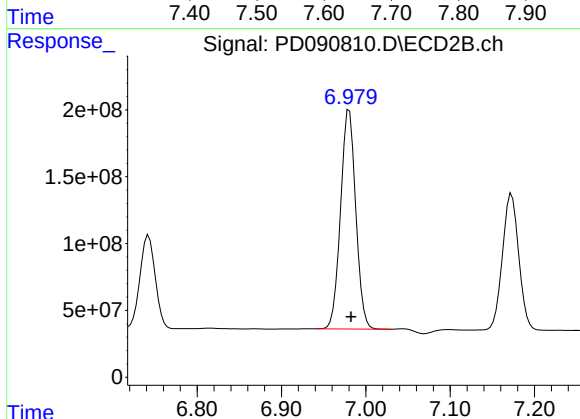
#21 Endrin ketone

R.T.: 7.623 min  
Delta R.T.: -0.001 min  
Response: 255020683  
Conc: 52.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

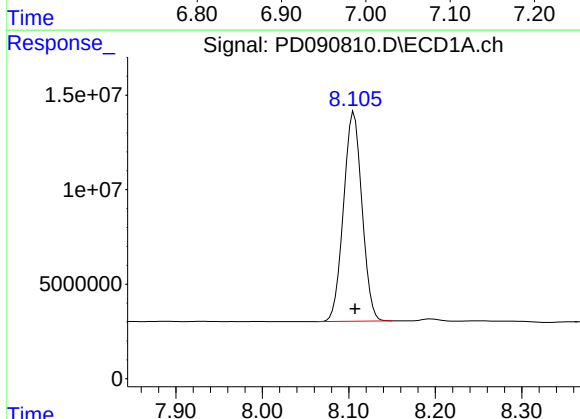
Manual Integrations  
APPROVED

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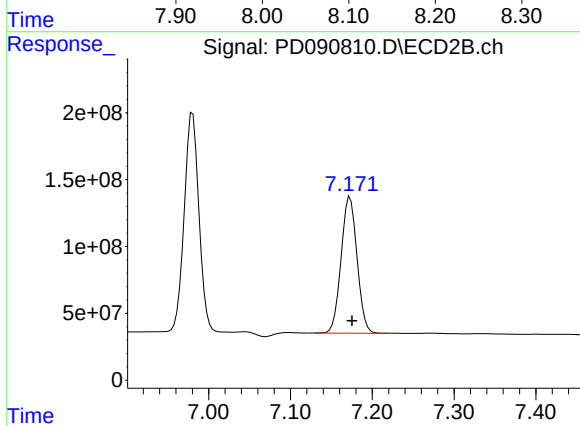
#21 Endrin ketone

R.T.: 6.980 min  
Delta R.T.: -0.002 min  
Response: 2053522685  
Conc: 54.44 ng/ml



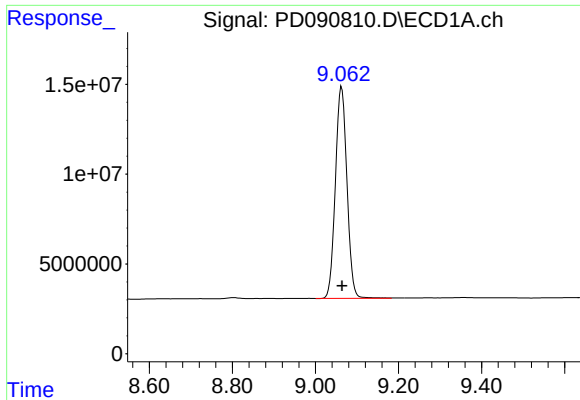
#22 Mirex

R.T.: 8.106 min  
Delta R.T.: -0.001 min  
Response: 163154045  
Conc: 50.97 ng/ml



#22 Mirex

R.T.: 7.173 min  
Delta R.T.: -0.002 min  
Response: 1374560710  
Conc: 53.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: -0.001 min  
Response: 227938192  
Conc: 48.73 ng/ml

Instrument :

ECD\_D

ClientSampleId :

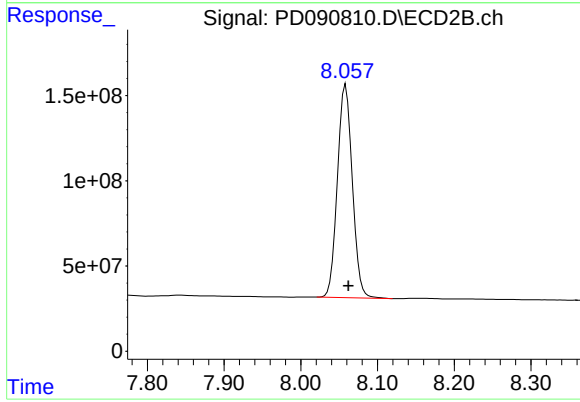
PSTDCCC050

## Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.059 min  
Delta R.T.: -0.003 min  
Response: 1691581501  
Conc: 55.84 ng/ml



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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:42

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.07       | 9.06      | 8.96      | 9.16 | -0.01      |
| Tetrachloro-m-xylene | 3.55       | 3.55      | 3.45      | 3.65 | 0.00       |
| alpha-BHC            | 4.00       | 3.99      | 3.89      | 4.09 | -0.01      |
| beta-BHC             | 4.52       | 4.51      | 4.41      | 4.61 | -0.01      |
| delta-BHC            | 4.77       | 4.76      | 4.66      | 4.86 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.93       | 4.92      | 4.82      | 5.02 | -0.01      |
| Aldrin               | 5.27       | 5.26      | 5.16      | 5.36 | -0.01      |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| 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        | 6.79       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.70       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.15       | 7.15      | 7.05      | 7.25 | 0.00       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.00       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.63       | 7.63      | 7.53      | 7.73 | 0.00       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 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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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:42

Initial Calibration Time(s): 11:34

12:28

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.00       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.12       | 5.12      | 5.02      | 5.22 | 0.00       |





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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 10/24/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.704 | 6.600     | 6.800 | 49.720             | 50.000            | -0.6  |
| 4,4'-DDE             | 6.194 | 6.090     | 6.290 | 47.540             | 50.000            | -4.9  |
| 4,4'-DDT             | 7.019 | 6.915     | 7.115 | 43.880             | 50.000            | -12.2 |
| Aldrin               | 5.268 | 5.164     | 5.364 | 50.630             | 50.000            | 1.3   |
| alpha-BHC            | 3.998 | 3.894     | 4.094 | 53.390             | 50.000            | 6.8   |
| alpha-Chlordane      | 6.024 | 5.921     | 6.121 | 50.880             | 50.000            | 1.8   |
| beta-BHC             | 4.517 | 4.412     | 4.612 | 52.080             | 50.000            | 4.2   |
| Decachlorobiphenyl   | 9.069 | 8.964     | 9.164 | 46.030             | 50.000            | -7.9  |
| delta-BHC            | 4.765 | 4.660     | 4.860 | 52.630             | 50.000            | 5.3   |
| Dieldrin             | 6.345 | 6.240     | 6.440 | 48.790             | 50.000            | -2.4  |
| Endosulfan I         | 6.072 | 5.968     | 6.168 | 48.840             | 50.000            | -2.3  |
| Endosulfan II        | 6.785 | 6.681     | 6.881 | 46.830             | 50.000            | -6.3  |
| Endosulfan sulfate   | 7.148 | 7.045     | 7.245 | 45.620             | 50.000            | -8.8  |
| Endrin               | 6.572 | 6.468     | 6.668 | 45.180             | 50.000            | -9.6  |
| Endrin aldehyde      | 6.914 | 6.810     | 7.010 | 46.270             | 50.000            | -7.5  |
| Endrin ketone        | 7.629 | 7.525     | 7.725 | 46.040             | 50.000            | -7.9  |
| gamma-BHC (Lindane)  | 4.330 | 4.225     | 4.425 | 52.670             | 50.000            | 5.3   |
| gamma-Chlordane      | 5.944 | 5.840     | 6.040 | 48.830             | 50.000            | -2.3  |
| Heptachlor           | 4.927 | 4.823     | 5.023 | 59.530             | 50.000            | 19.1  |
| Heptachlor epoxide   | 5.687 | 5.584     | 5.784 | 51.040             | 50.000            | 2.1   |
| Methoxychlor         | 7.492 | 7.388     | 7.588 | 43.060             | 50.000            | -13.9 |
| Tetrachloro-m-xylene | 3.549 | 3.445     | 3.645 | 52.770             | 50.000            | 5.5   |



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

### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** AECO02  
**Lab Code:** ACE **SDG NO.:** Q3419  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 10/24/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.920 | 5.821     | 6.021 | 46.560             | 50.000            | -6.9  |
| 4,4'-DDE             | 5.366 | 5.266     | 5.466 | 47.330             | 50.000            | -5.3  |
| 4,4'-DDT             | 6.173 | 6.074     | 6.274 | 43.360             | 50.000            | -13.3 |
| Aldrin               | 4.360 | 4.261     | 4.461 | 49.370             | 50.000            | -1.3  |
| alpha-BHC            | 3.386 | 3.287     | 3.487 | 50.610             | 50.000            | 1.2   |
| alpha-Chlordane      | 5.181 | 5.081     | 5.281 | 47.540             | 50.000            | -4.9  |
| beta-BHC             | 4.018 | 3.919     | 4.119 | 49.810             | 50.000            | -0.4  |
| Decachlorobiphenyl   | 8.061 | 7.962     | 8.162 | 40.090             | 50.000            | -19.8 |
| delta-BHC            | 4.254 | 4.155     | 4.355 | 50.040             | 50.000            | 0.1   |
| Dieldrin             | 5.503 | 5.404     | 5.604 | 47.030             | 50.000            | -5.9  |
| Endosulfan I         | 5.238 | 5.138     | 5.338 | 47.080             | 50.000            | -5.8  |
| Endosulfan II        | 6.072 | 5.972     | 6.172 | 44.570             | 50.000            | -10.9 |
| Endosulfan sulfate   | 6.473 | 6.374     | 6.574 | 42.870             | 50.000            | -14.3 |
| Endrin               | 5.780 | 5.681     | 5.881 | 44.370             | 50.000            | -11.3 |
| Endrin aldehyde      | 6.250 | 6.150     | 6.350 | 43.250             | 50.000            | -13.5 |
| Endrin ketone        | 6.982 | 6.883     | 7.083 | 41.610             | 50.000            | -16.8 |
| gamma-BHC (Lindane)  | 3.722 | 3.623     | 3.823 | 50.930             | 50.000            | 1.9   |
| gamma-Chlordane      | 5.116 | 5.017     | 5.217 | 47.810             | 50.000            | -4.4  |
| Heptachlor           | 4.074 | 3.975     | 4.175 | 50.610             | 50.000            | 1.2   |
| Heptachlor epoxide   | 4.864 | 4.764     | 4.964 | 48.290             | 50.000            | -3.4  |
| Methoxychlor         | 6.744 | 6.645     | 6.845 | 41.850             | 50.000            | -16.3 |
| Tetrachloro-m-xylene | 2.873 | 2.775     | 2.975 | 51.790             | 50.000            | 3.6   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
 Data File : PD090824.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2025 15:42  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025  
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 23:38:52 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.549 | 2.873 | 164.3E6  | 1542.2E6 | 52.767  | 51.790 |
| 28)                         | SA Decachlor... | 9.069 | 8.061 | 215.3E6  | 1214.5E6 | 46.026  | 40.095 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.998 | 3.386 | 383.2E6  | 2585.7E6 | 53.386  | 50.605 |
| 3)                          | MA gamma-BHC... | 4.330 | 3.722 | 358.1E6  | 2406.2E6 | 52.670  | 50.925 |
| 4)                          | MA Heptachlor   | 4.927 | 4.074 | 332.8E6  | 2257.5E6 | 59.534  | 50.613 |
| 5)                          | MB Aldrin       | 5.268 | 4.360 | 331.5E6  | 2286.7E6 | 50.632  | 49.368 |
| 6)                          | B beta-BHC      | 4.517 | 4.018 | 136.4E6  | 987.7E6  | 52.085  | 49.810 |
| 7)                          | B delta-BHC     | 4.765 | 4.254 | 355.9E6  | 2387.6E6 | 52.628  | 50.037 |
| 8)                          | B Heptachlo...  | 5.687 | 4.864 | 295.5E6  | 2059.2E6 | 51.043m | 48.293 |
| 9)                          | A Endosulfan I  | 6.072 | 5.238 | 270.4E6  | 1854.3E6 | 48.837  | 47.076 |
| 10)                         | B gamma-Chl...  | 5.944 | 5.116 | 289.6E6  | 2149.2E6 | 48.829  | 47.815 |
| 11)                         | B alpha-Chl...  | 6.024 | 5.181 | 314.4E6  | 2050.8E6 | 50.879  | 47.542 |
| 12)                         | B 4,4'-DDE      | 6.194 | 5.366 | 253.2E6  | 2075.0E6 | 47.542  | 47.334 |
| 13)                         | MA Dieldrin     | 6.345 | 5.503 | 284.5E6  | 2078.0E6 | 48.788  | 47.030 |
| 14)                         | MA Endrin       | 6.572 | 5.780 | 223.8E6  | 1796.7E6 | 45.183  | 44.370 |
| 15)                         | B Endosulfa...  | 6.785 | 6.072 | 234.1E6  | 1673.8E6 | 46.828  | 44.568 |
| 16)                         | A 4,4'-DDD      | 6.704 | 5.920 | 201.6E6  | 1696.4E6 | 49.725  | 46.555 |
| 17)                         | MA 4,4'-DDT     | 7.019 | 6.173 | 180.3E6  | 1520.8E6 | 43.875  | 43.362 |
| 18)                         | B Endrin al...  | 6.914 | 6.250 | 169.5E6  | 1197.7E6 | 46.274  | 43.249 |
| 19)                         | B Endosulfa...  | 7.148 | 6.473 | 211.6E6  | 1536.6E6 | 45.621  | 42.867 |
| 20)                         | A Methoxychlor  | 7.492 | 6.744 | 91534616 | 729.3E6  | 43.063  | 41.850 |
| 21)                         | B Endrin ke...  | 7.629 | 6.982 | 223.7E6  | 1569.4E6 | 46.042  | 41.609 |
| 22)                         | Mirex           | 8.111 | 7.175 | 155.6E6  | 1114.6E6 | 48.601  | 43.387 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090824.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 15:42  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

## Manual Integrations

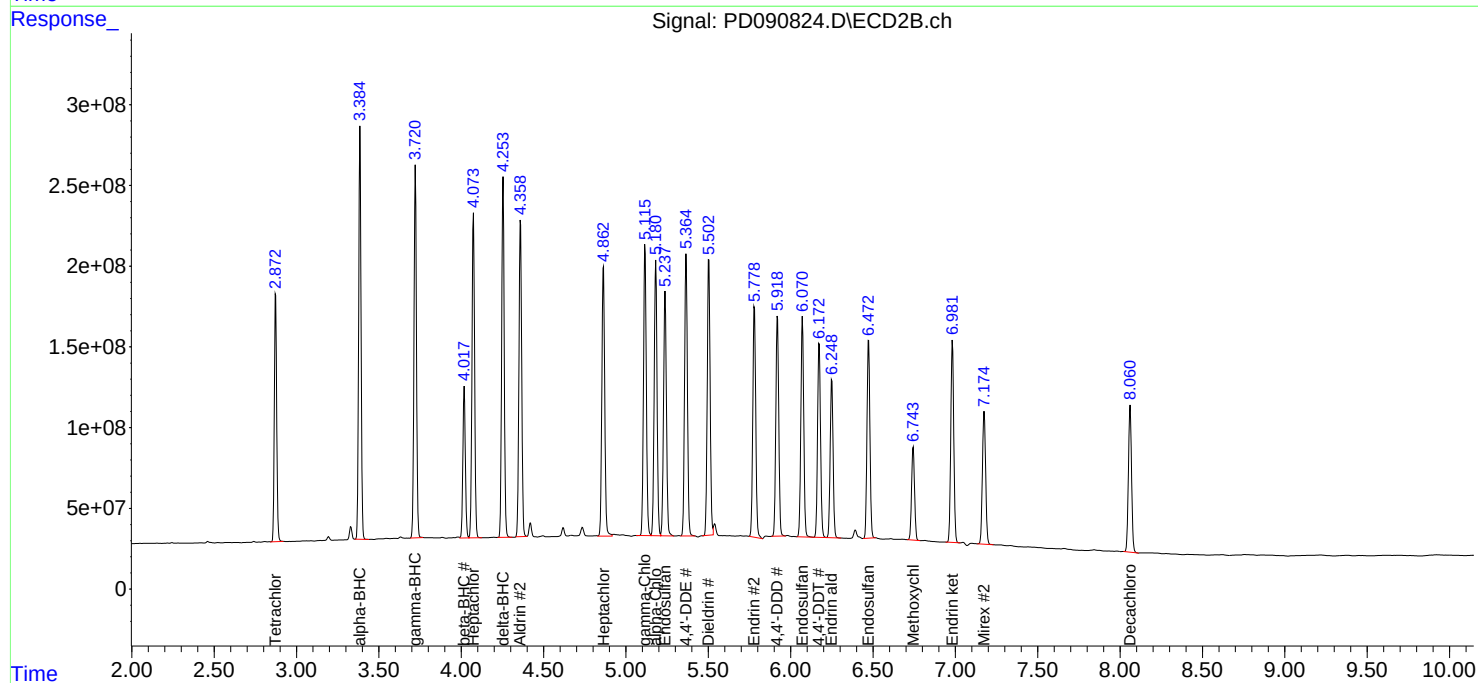
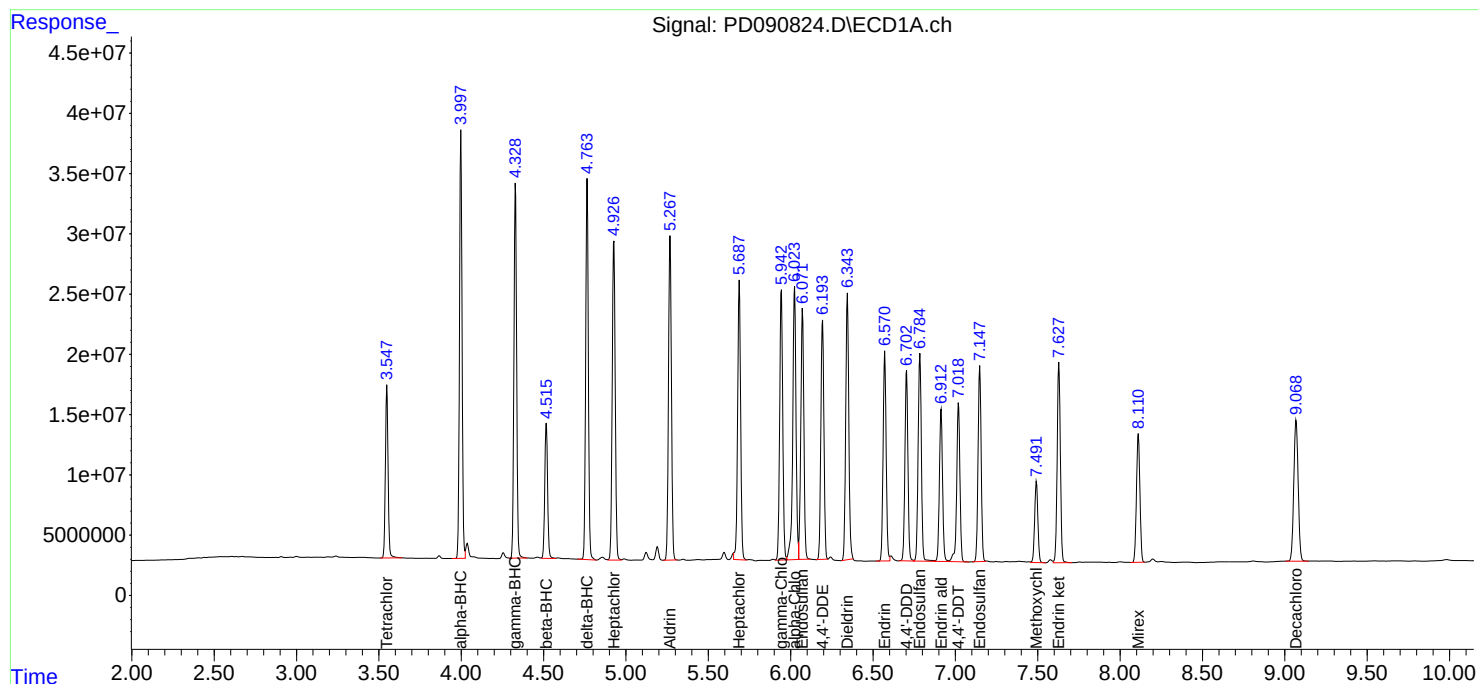
## APPROVED

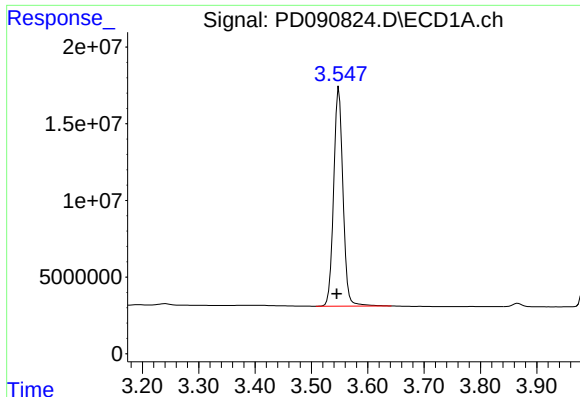
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:38:52 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





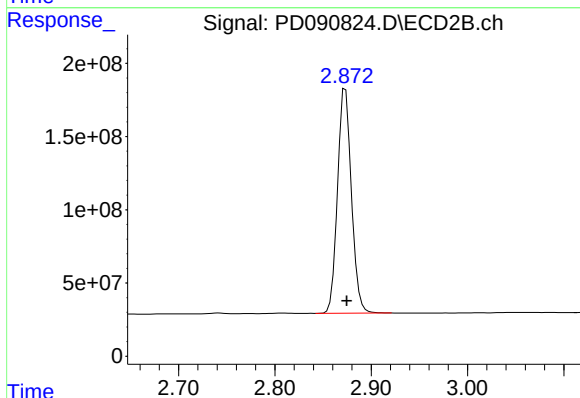
## #1 Tetrachloro-m-xylene

R.T.: 3.549 min  
Delta R.T.: 0.004 min  
Response: 164325660  
Conc: 52.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

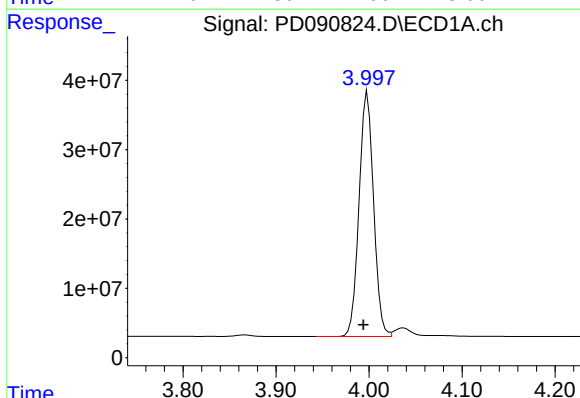
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



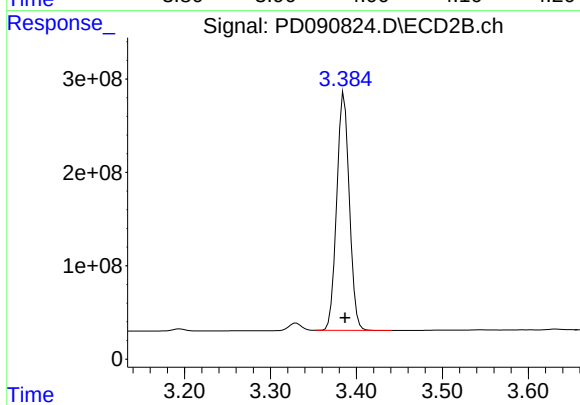
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 1542172600  
Conc: 51.79 ng/ml



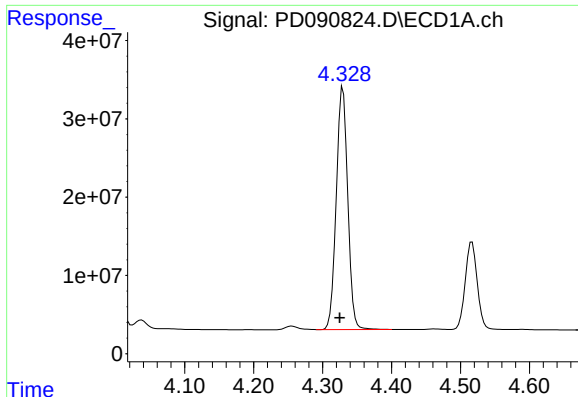
## #2 alpha-BHC

R.T.: 3.998 min  
Delta R.T.: 0.004 min  
Response: 383158495  
Conc: 53.39 ng/ml



## #2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 2585711678  
Conc: 50.61 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: 0.005 min  
Response: 358095743  
Conc: 52.67 ng/ml

Instrument :

ECD\_D

ClientSampleId :

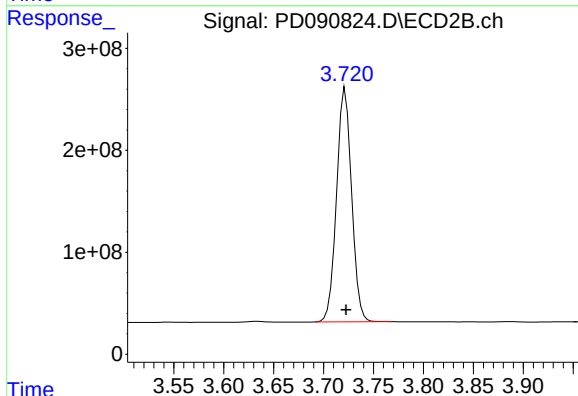
PSTDCCC050

## Manual Integrations

APPROVED

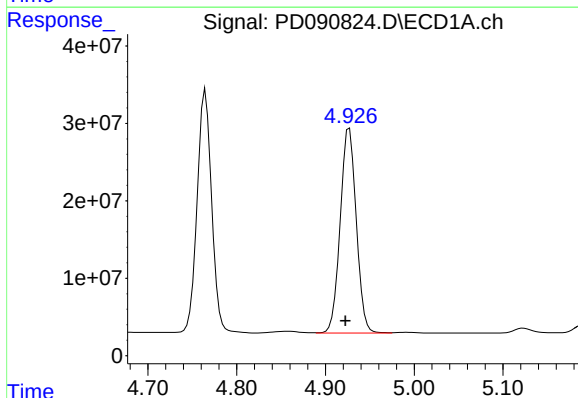
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



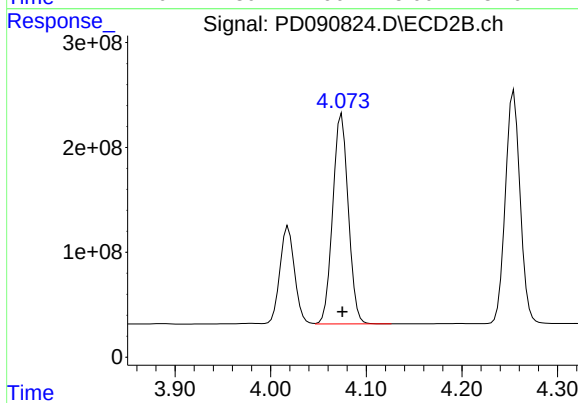
#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: 0.000 min  
Response: 2406154207  
Conc: 50.93 ng/ml



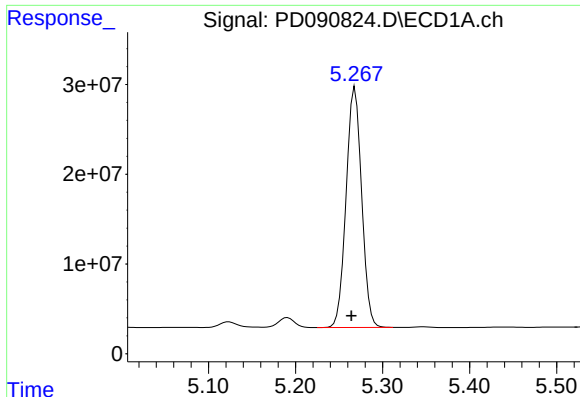
#4 Heptachlor

R.T.: 4.927 min  
Delta R.T.: 0.004 min  
Response: 332766879  
Conc: 59.53 ng/ml



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: 0.000 min  
Response: 2257481677  
Conc: 50.61 ng/ml



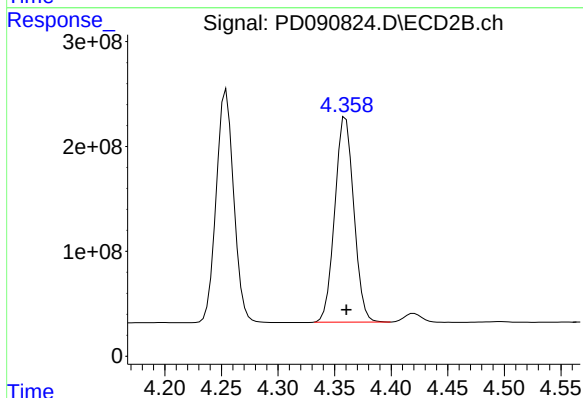
#5 Aldrin

R.T.: 5.268 min  
Delta R.T.: 0.004 min  
Response: 331500646  
Conc: 50.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

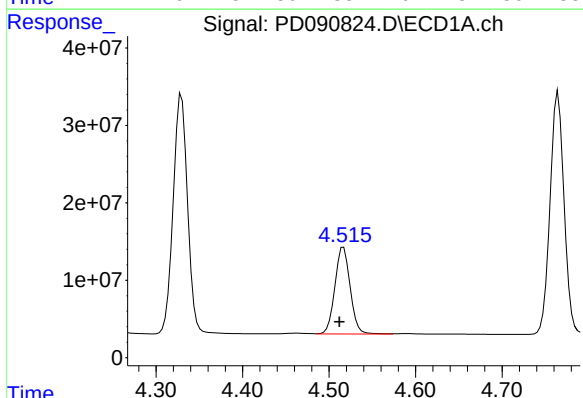
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



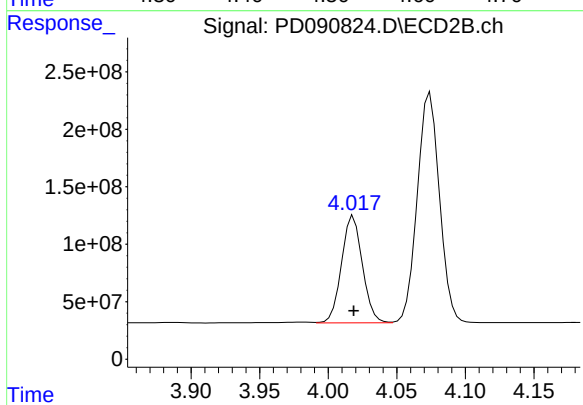
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 2286688455  
Conc: 49.37 ng/ml



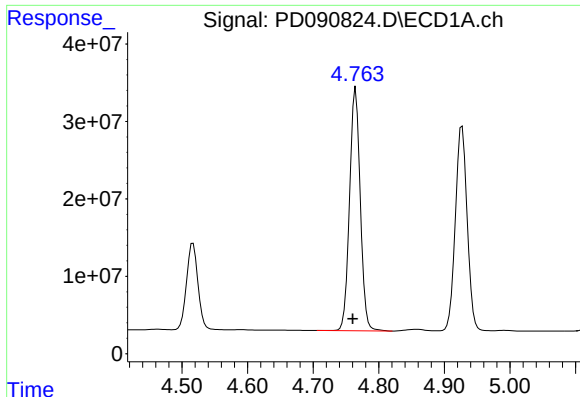
#6 beta-BHC

R.T.: 4.517 min  
Delta R.T.: 0.005 min  
Response: 136442714  
Conc: 52.08 ng/ml



#6 beta-BHC

R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 987700923  
Conc: 49.81 ng/ml



#7 delta-BHC

R.T.: 4.765 min  
Delta R.T.: 0.005 min  
Response: 355857317  
Conc: 52.63 ng/ml

Instrument :

ECD\_D

ClientSampleId :

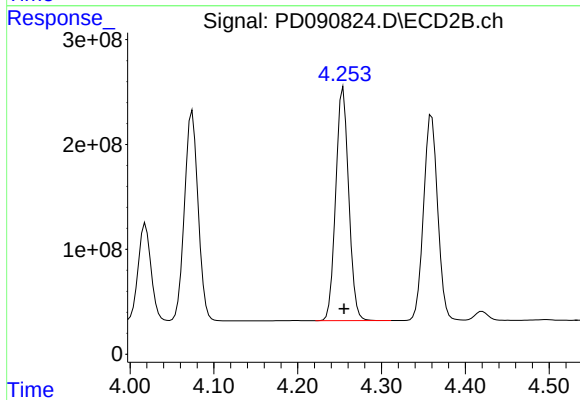
PSTDCCC050

## Manual Integrations

APPROVED

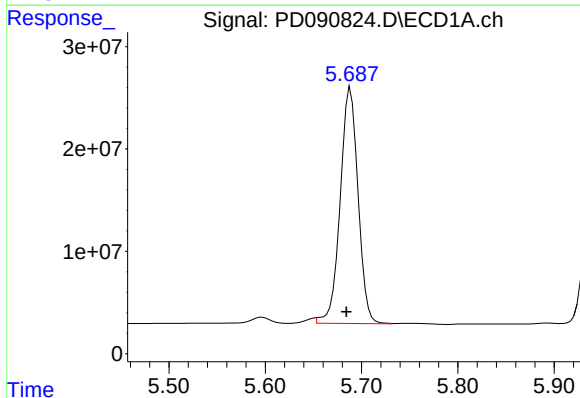
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



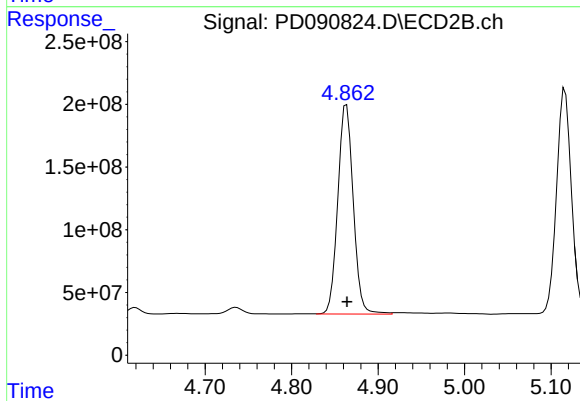
#7 delta-BHC

R.T.: 4.254 min  
Delta R.T.: 0.000 min  
Response: 2387594453  
Conc: 50.04 ng/ml



#8 Heptachlor epoxide

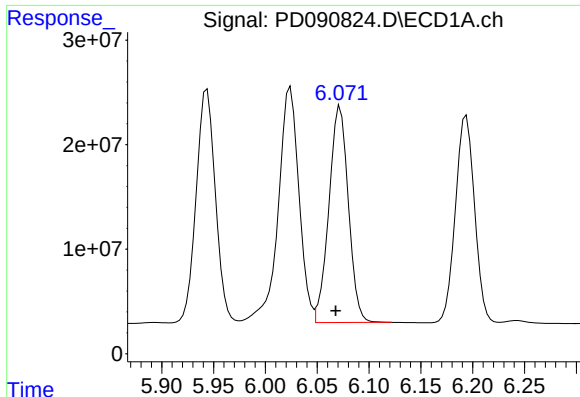
R.T.: 5.687 min  
Delta R.T.: 0.003 min  
Response: 295490314  
Conc: 51.04 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 2059163889  
Conc: 48.29 ng/ml





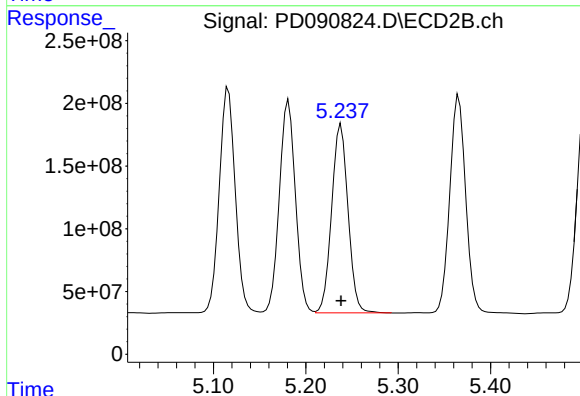
## #9 Endosulfan I

R.T.: 6.072 min  
Delta R.T.: 0.004 min  
Response: 270395428  
Conc: 48.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

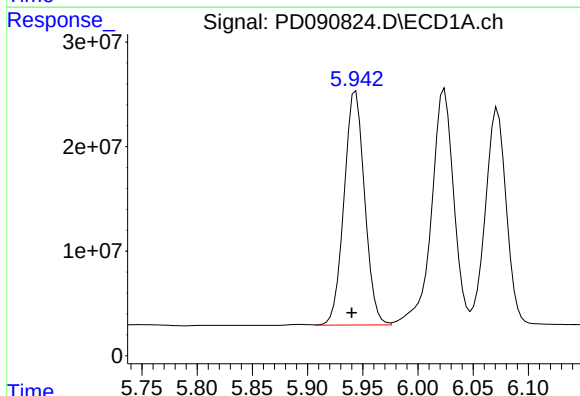
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



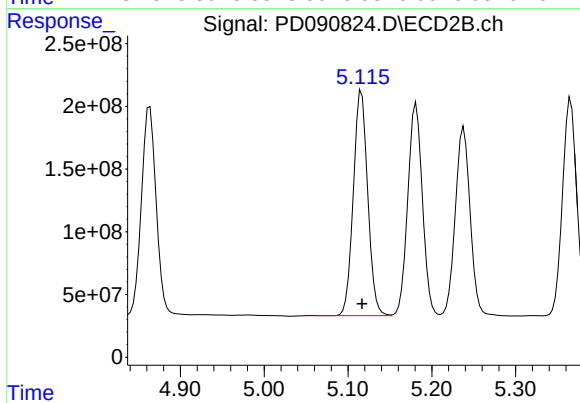
## #9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 1854325873  
Conc: 47.08 ng/ml



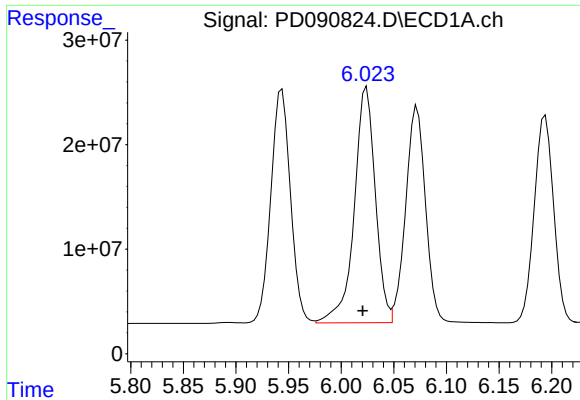
## #10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: 0.004 min  
Response: 289615862  
Conc: 48.83 ng/ml



## #10 gamma-Chlordane

R.T.: 5.116 min  
Delta R.T.: 0.000 min  
Response: 2149215777  
Conc: 47.81 ng/ml



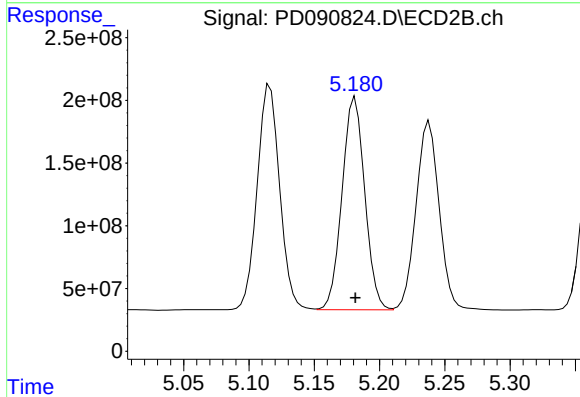
#11 alpha-Chlordane

R.T.: 6.024 min  
Delta R.T.: 0.004 min  
Response: 314447569  
Conc: 50.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

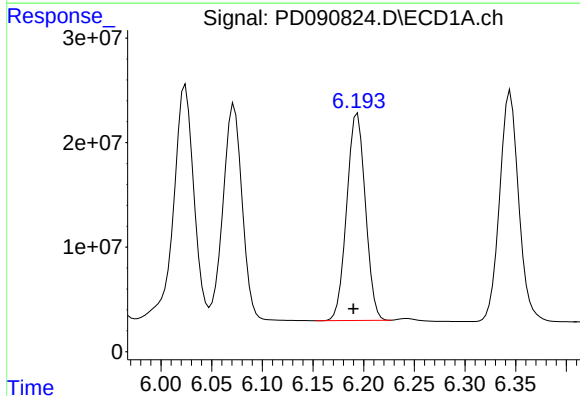
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



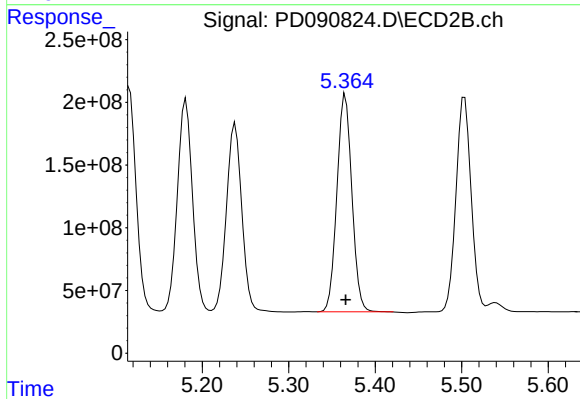
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 2050844940  
Conc: 47.54 ng/ml



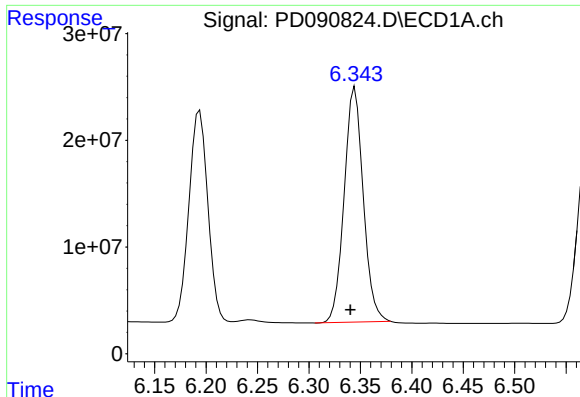
#12 4,4'-DDE

R.T.: 6.194 min  
Delta R.T.: 0.004 min  
Response: 253238360  
Conc: 47.54 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 2075024035  
Conc: 47.33 ng/ml



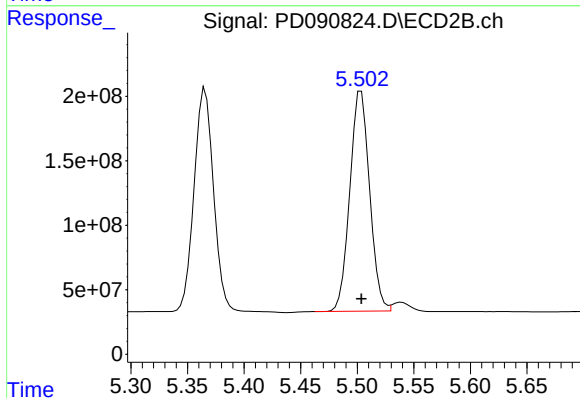
## #13 Dieldrin

R.T.: 6.345 min  
Delta R.T.: 0.004 min  
Response: 284502279  
Conc: 48.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

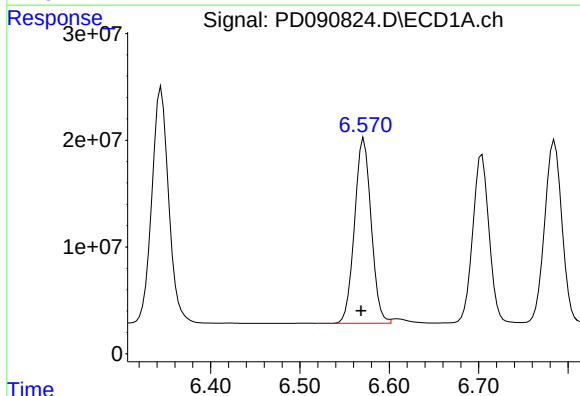
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



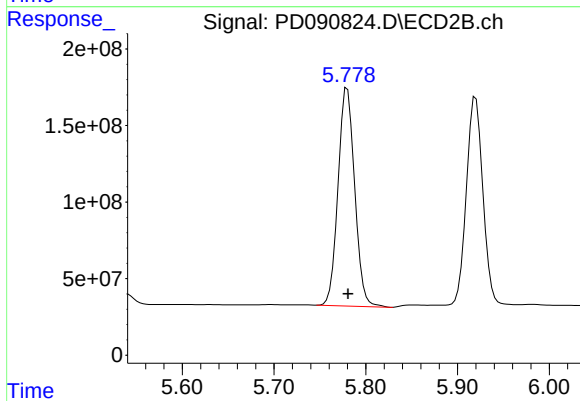
## #13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: 0.000 min  
Response: 2077983180  
Conc: 47.03 ng/ml



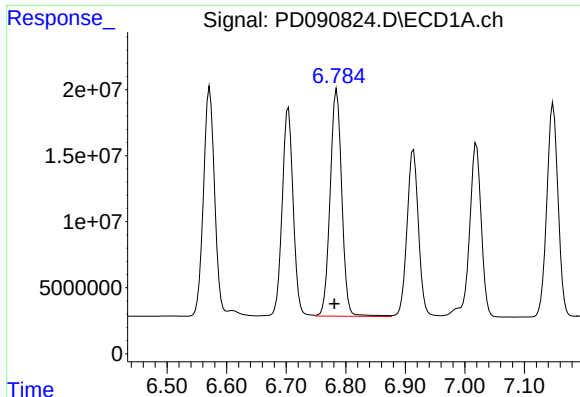
## #14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.004 min  
Response: 223824292  
Conc: 45.18 ng/ml



## #14 Endrin

R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 1796701711  
Conc: 44.37 ng/ml



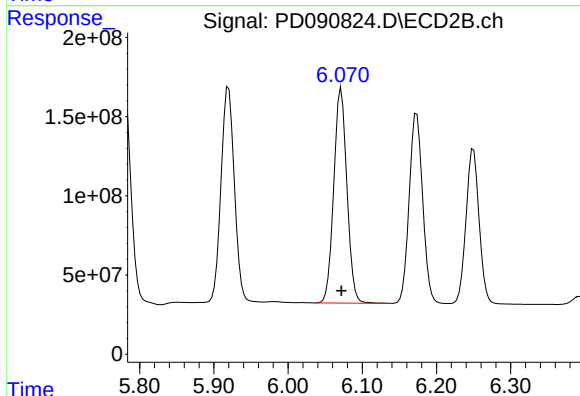
## #15 Endosulfan II

R.T.: 6.785 min  
Delta R.T.: 0.004 min  
Response: 234140510  
Conc: 46.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

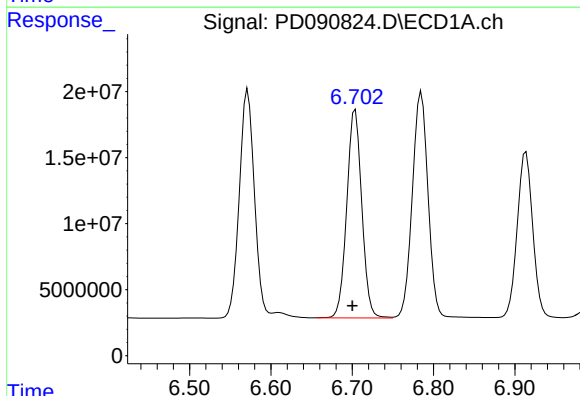
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



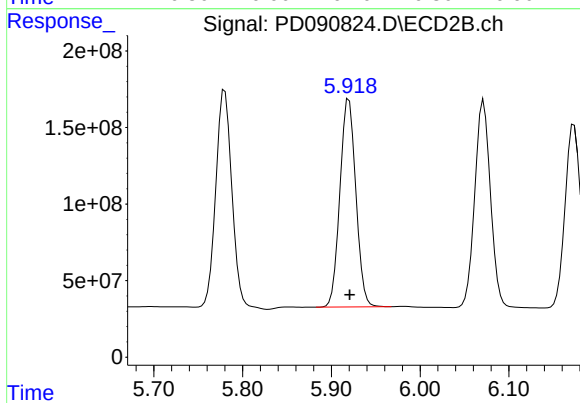
## #15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 1673755976  
Conc: 44.57 ng/ml



## #16 4,4'-DDD

R.T.: 6.704 min  
Delta R.T.: 0.004 min  
Response: 201594673  
Conc: 49.72 ng/ml



## #16 4,4'-DDD

R.T.: 5.920 min  
Delta R.T.: -0.001 min  
Response: 1696372854  
Conc: 46.56 ng/ml

Response\_ Signal: PD090824.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.019 min  
Delta R.T.: 0.004 min  
Response: 180348186  
Conc: 43.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: 0.000 min  
Response: 1520822162  
Conc: 43.36 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.914 min  
Delta R.T.: 0.004 min  
Response: 169488712  
Conc: 46.27 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1197685185  
Conc: 43.25 ng/ml

Time

Response\_ Signal: PD090824.D\ECD1A.ch

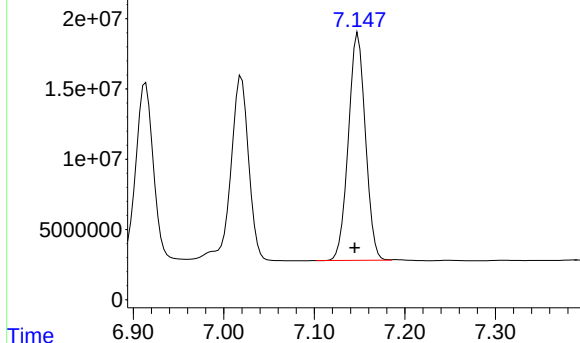
#19 Endosulfan Sulfate

R.T.: 7.148 min  
Delta R.T.: 0.004 min  
Response: 211599616  
Conc: 45.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
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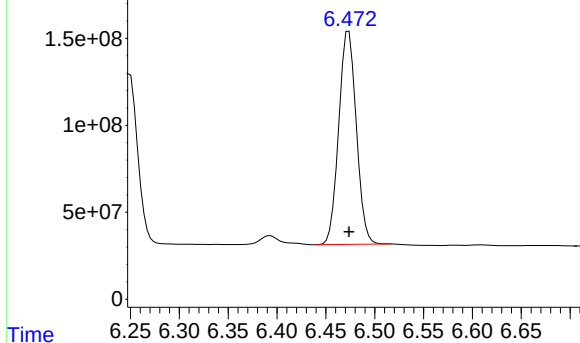
Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



Response\_ Signal: PD090824.D\ECD2B.ch

#19 Endosulfan Sulfate

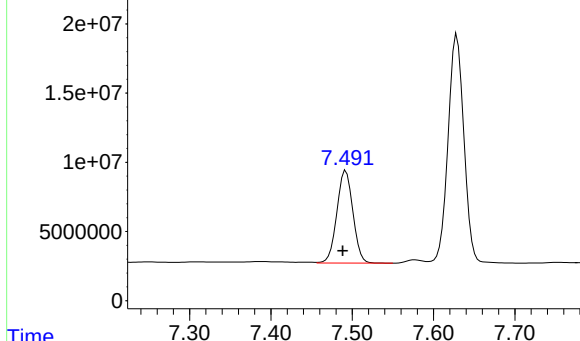
R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 1536560752  
Conc: 42.87 ng/ml



Response\_ Signal: PD090824.D\ECD1A.ch

#20 Methoxychlor

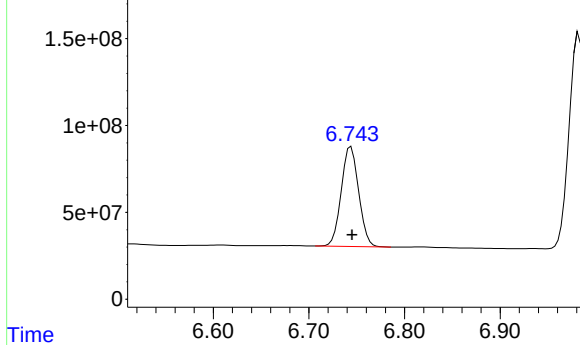
R.T.: 7.492 min  
Delta R.T.: 0.004 min  
Response: 91534616  
Conc: 43.06 ng/ml



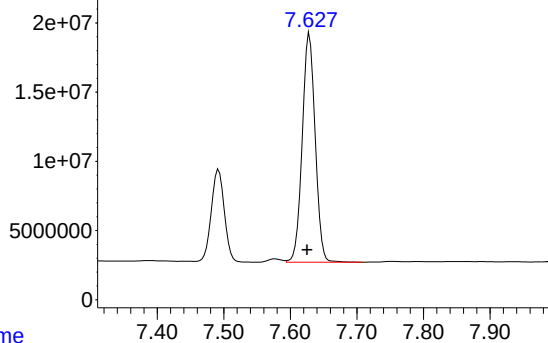
Response\_ Signal: PD090824.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.744 min  
Delta R.T.: -0.001 min  
Response: 729346988  
Conc: 41.85 ng/ml



Response\_ Signal: PD090824.D\ECD1A.ch



#21 Endrin ketone

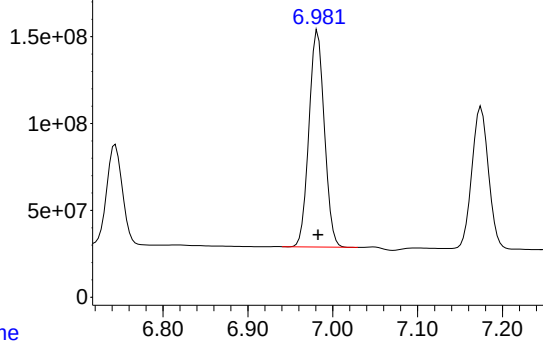
R.T.: 7.629 min  
Delta R.T.: 0.004 min  
Response: 223711994  
Conc: 46.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
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Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025

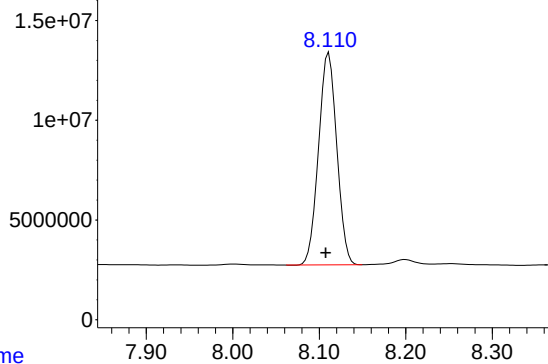
Time Response\_ Signal: PD090824.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: 0.000 min  
Response: 1569407204  
Conc: 41.61 ng/ml

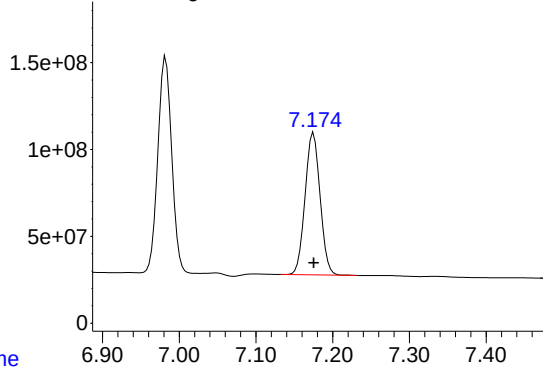
Time Response\_ Signal: PD090824.D\ECD1A.ch



#22 Mirex

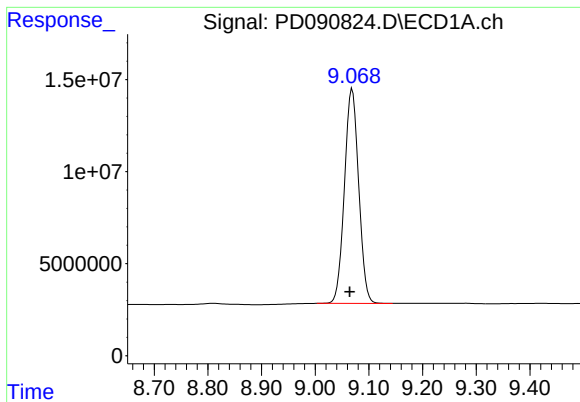
R.T.: 8.111 min  
Delta R.T.: 0.004 min  
Response: 155564089  
Conc: 48.60 ng/ml

Time Response\_ Signal: PD090824.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 1114644700  
Conc: 43.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min  
Delta R.T.: 0.005 min  
Response: 215306456  
Conc: 46.03 ng/ml

Instrument :

ECD\_D

ClientSampleId :

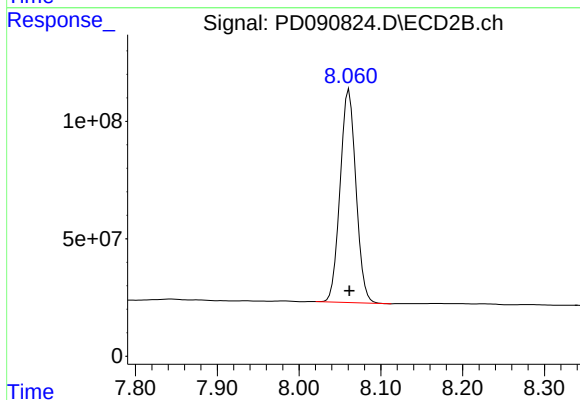
PSTDCCC050

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 1214523963  
Conc: 40.09 ng/ml



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090776.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:38

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.066 | 8.970     | 9.170 | 21.360             | 20.000            | 6.8   |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 20.730             | 20.000            | 3.7   |
| alpha-BHC            | 3.993 | 3.940     | 4.040 | 8.630              | 10.000            | -13.7 |
| beta-BHC             | 4.512 | 4.460     | 4.560 | 9.990              | 10.000            | -0.1  |
| gamma-BHC (Lindane)  | 4.324 | 4.270     | 4.370 | 8.990              | 10.000            | -10.1 |
| Endrin               | 6.568 | 6.500     | 6.640 | 48.450             | 50.000            | -3.1  |
| 4,4'-DDT             | 7.016 | 6.950     | 7.090 | 98.300             | 100.000           | -1.7  |
| Methoxychlor         | 7.489 | 7.420     | 7.560 | 230.150            | 250.000           | -7.9  |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090776.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:38

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 8.060 | 7.960     | 8.160 | 25.180             | 20.000            | 25.9  |
| Tetrachloro-m-xylene | 2.873 | 2.820     | 2.920 | 21.460             | 20.000            | 7.3   |
| alpha-BHC            | 3.385 | 3.330     | 3.440 | 10.520             | 10.000            | 5.2   |
| beta-BHC             | 4.018 | 3.970     | 4.070 | 10.550             | 10.000            | 5.5   |
| gamma-BHC (Lindane)  | 3.721 | 3.670     | 3.770 | 10.770             | 10.000            | 7.7   |
| Endrin               | 5.779 | 5.710     | 5.850 | 50.700             | 50.000            | 1.4   |
| 4,4'-DDT             | 6.172 | 6.100     | 6.240 | 101.920            | 100.000           | 1.9   |
| Methoxychlor         | 6.743 | 6.670     | 6.810 | 212.260            | 250.000           | -15.1 |

Data File: PEM  
 PD090776.D Date Acquired 10/23/2025 9:38  
 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 | 239991902.3 | 256727206.5           | 16735304.1          | Down<br><b>6.52</b> |
| Endrin aldehyde | 6.91 | 7655028.542 |                       |                     |                     |
| Endrin ketone   | 7.63 | 9080275.602 |                       |                     |                     |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.78 | 2052870622  | 2155978973            | 103108351           | <b>4.78</b>  |
| Endrin aldehyde #2 | 6.25 | 28132387.58 |                       |                     |              |
| Endrin ketone #2   | 6.98 | 74975963.57 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.02 | 404041246   | 419967140.8               | 15925894.9            | <b>3.79</b>  |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.70 | 15925894.85 |                           |                       |              |

Column #2

| Name        | RT   | Response   | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.17 | 3574649415 | 3713063629                | 138414214             | <b>3.73</b>  |
| 4,4'-DDE #2 | 0.00 | 0          |                           |                       |              |
| 4,4'-DDD #2 | 5.92 | 138414214  |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
 Data File : PD090776.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 09:38  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:12:05 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 64542344 | 639.1E6  | 20.725  | 21.461  |
| 28)                         | SA Decachlor... | 9.066 | 8.060 | 99943602 | 762.6E6  | 21.365  | 25.175  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 61919576 | 537.6E6  | 8.627   | 10.521  |
| 3)                          | MA gamma-BHC... | 4.324 | 3.721 | 61129232 | 508.8E6  | 8.991   | 10.769  |
| 6)                          | B beta-BHC      | 4.512 | 4.018 | 26171904 | 209.2E6  | 9.991   | 10.552  |
| 14)                         | MA Endrin       | 6.568 | 5.779 | 240.0E6  | 2052.9E6 | 48.447  | 50.696  |
| 16)                         | A 4,4'-DDD      | 6.699 | 5.919 | 15925895 | 138.4E6  | 3.928m  | 3.799   |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.172 | 404.0E6  | 3574.6E6 | 98.296  | 101.920 |
| 18)                         | B Endrin al...  | 6.911 | 6.247 | 7655029  | 28132388 | 2.090   | 1.016 # |
| 20)                         | A Methoxychlor  | 7.489 | 6.743 | 489.2E6  | 3699.2E6 | 230.151 | 212.256 |
| 21)                         | B Endrin ke...  | 7.626 | 6.981 | 9080276  | 74975964 | 1.869   | 1.988   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090776.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 09:38  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

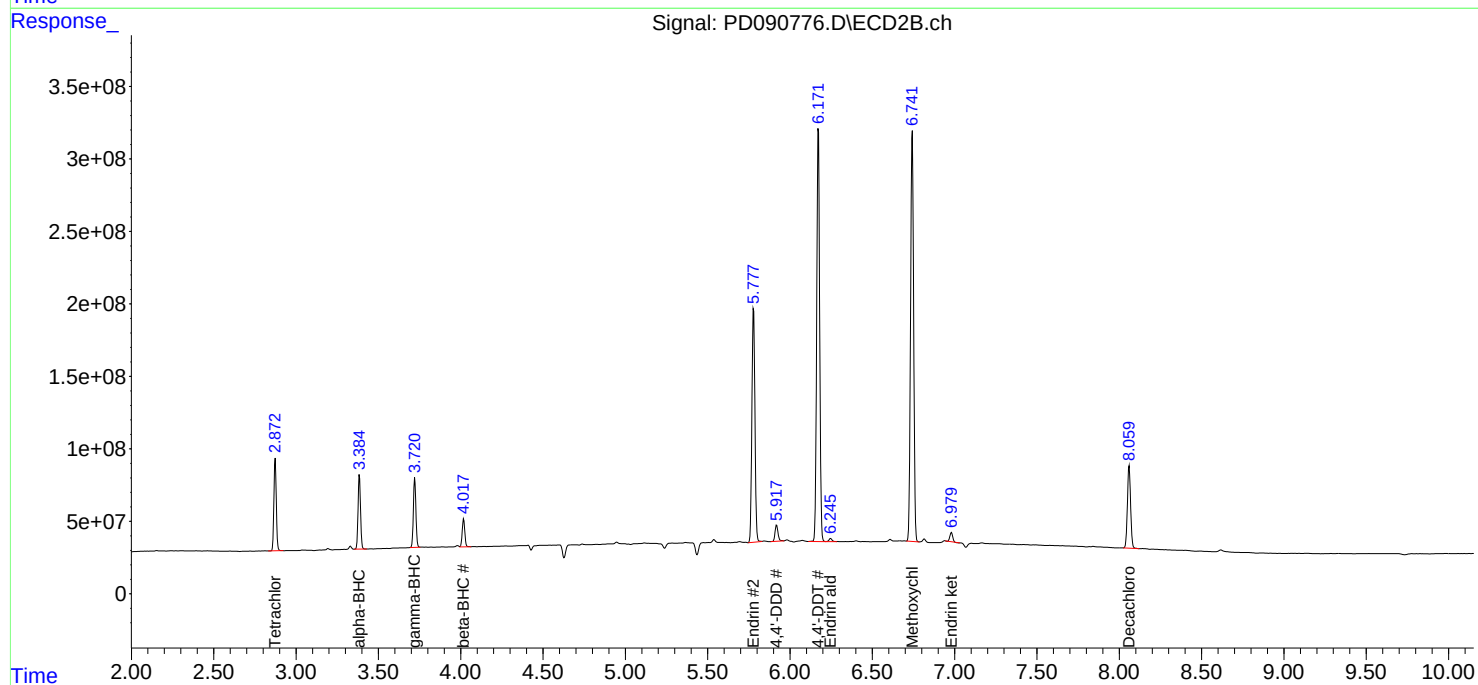
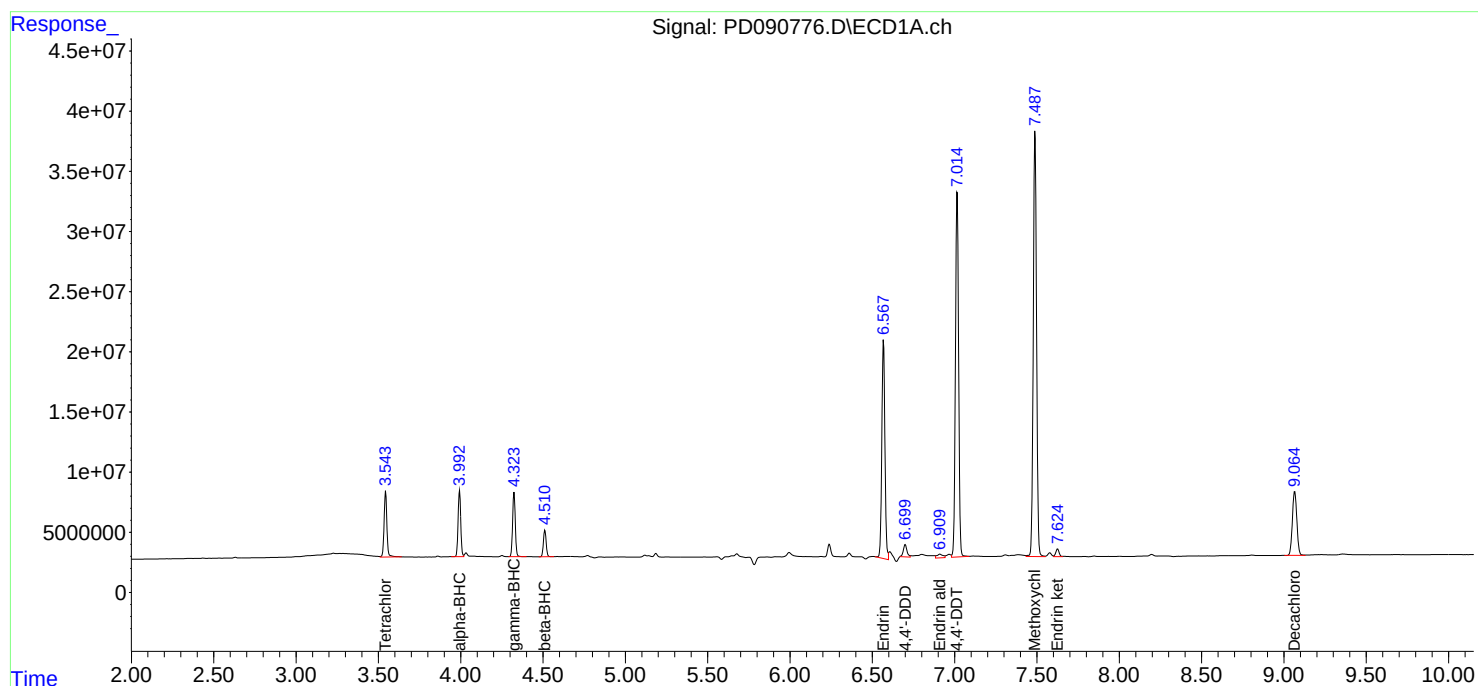
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

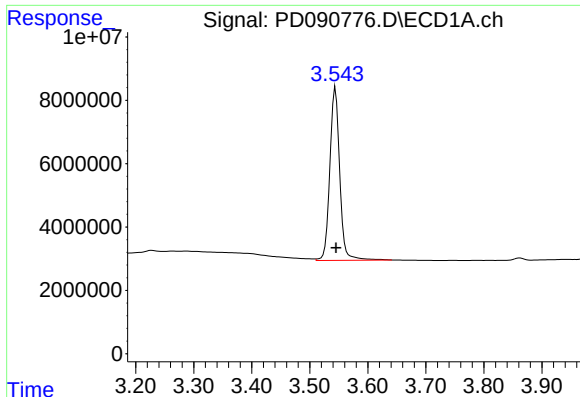
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 10/24/2025  
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:12:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





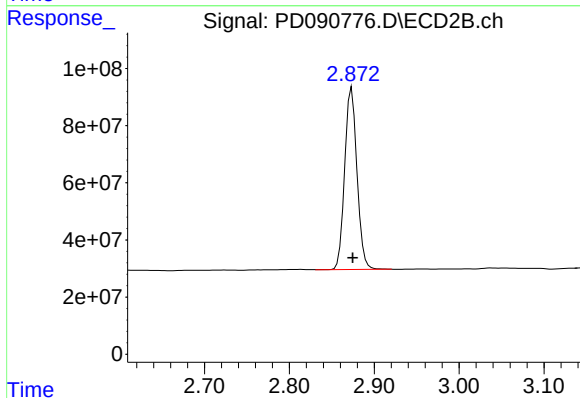
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 64542344  
Conc: 20.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

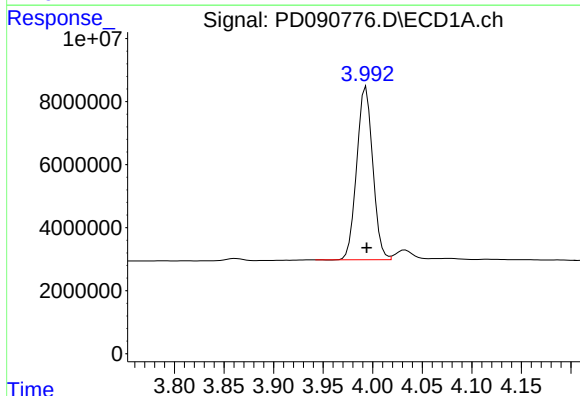
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



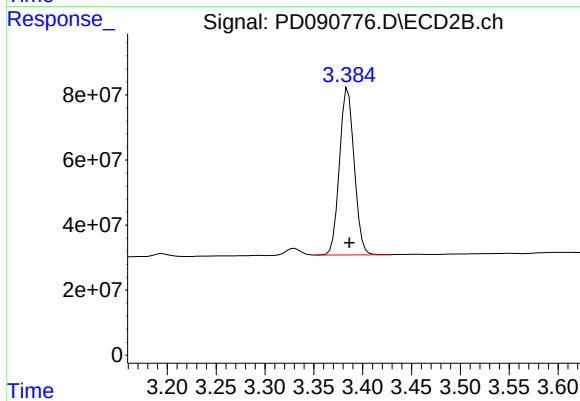
#1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 639061581  
Conc: 21.46 ng/ml



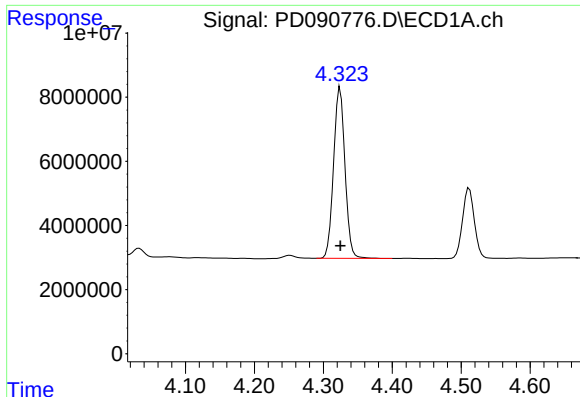
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 61919576  
Conc: 8.63 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.002 min  
Response: 537576271  
Conc: 10.52 ng/ml



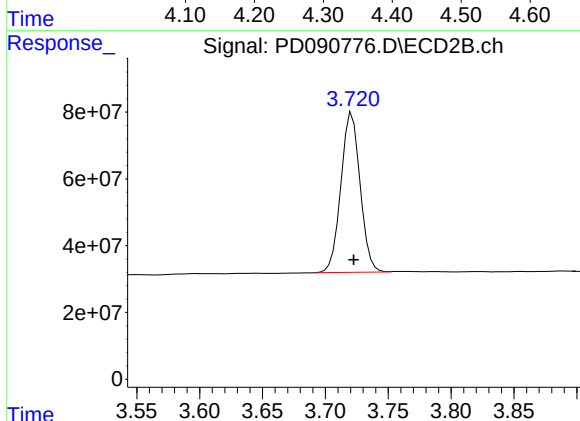
#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 61129232  
Conc: 8.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

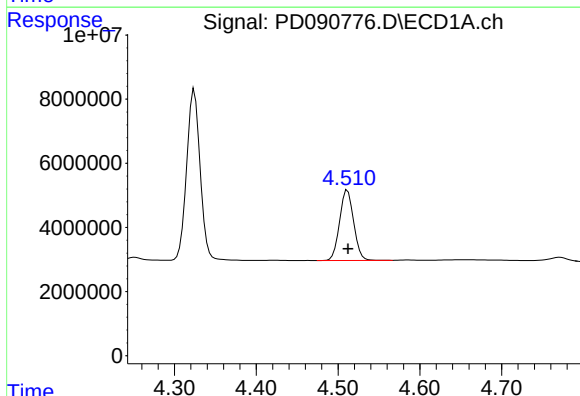
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



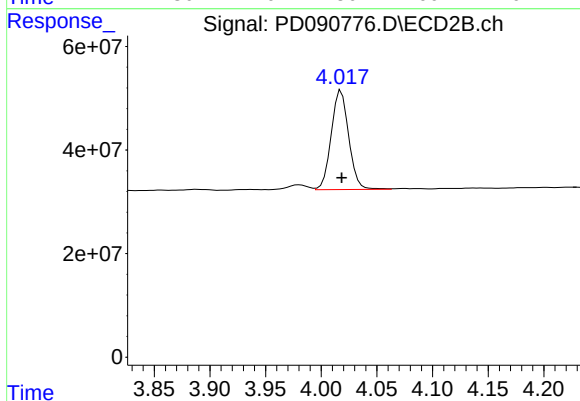
#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.001 min  
Response: 508804323  
Conc: 10.77 ng/ml



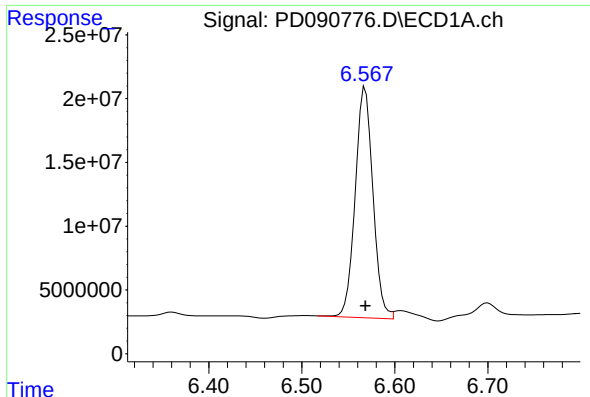
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 26171904  
Conc: 9.99 ng/ml



#6 beta-BHC

R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 209240049  
Conc: 10.55 ng/ml



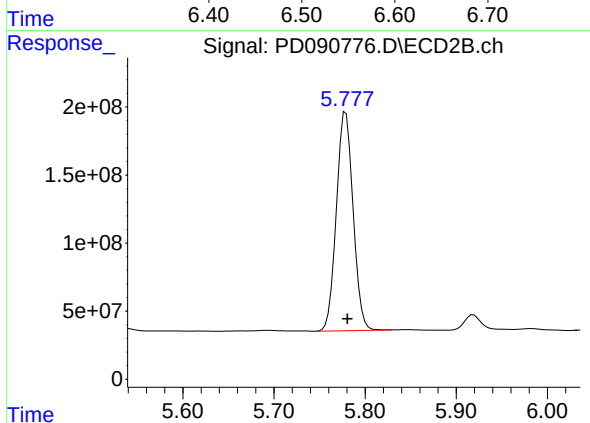
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 239991902  
Conc: 48.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

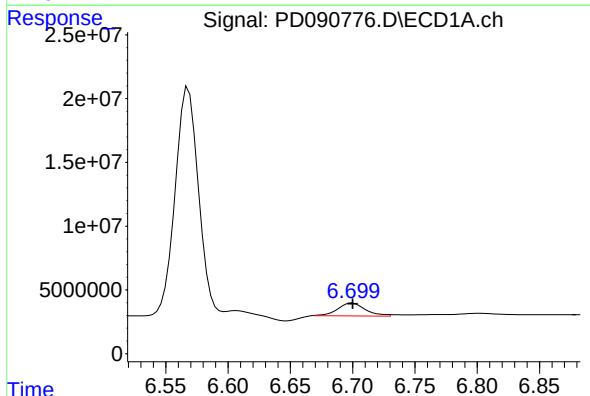
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



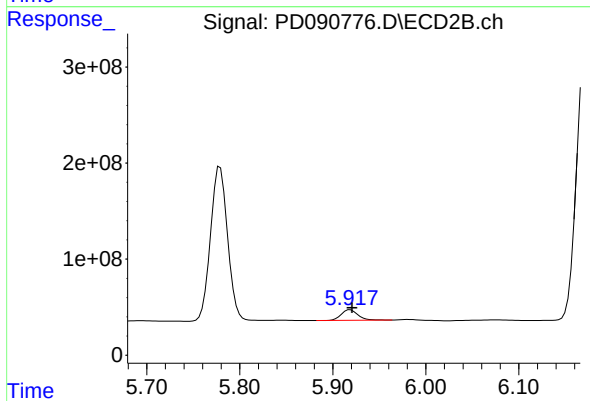
#14 Endrin

R.T.: 5.779 min  
Delta R.T.: -0.002 min  
Response: 2052870622  
Conc: 50.70 ng/ml



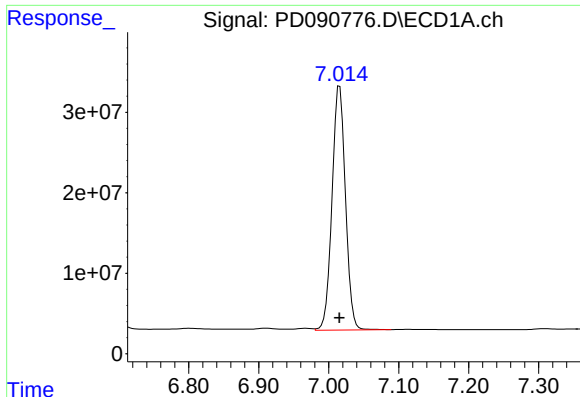
#16 4,4'-DDD

R.T.: 6.699 min  
Delta R.T.: -0.002 min  
Response: 15925895  
Conc: 3.93 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min  
Delta R.T.: -0.002 min  
Response: 138414214  
Conc: 3.80 ng/ml



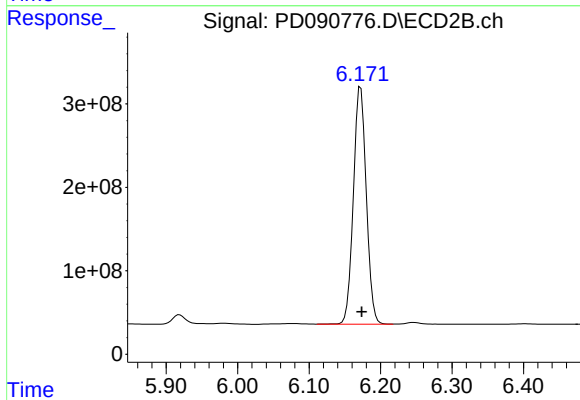
#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 404041246  
Conc: 98.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

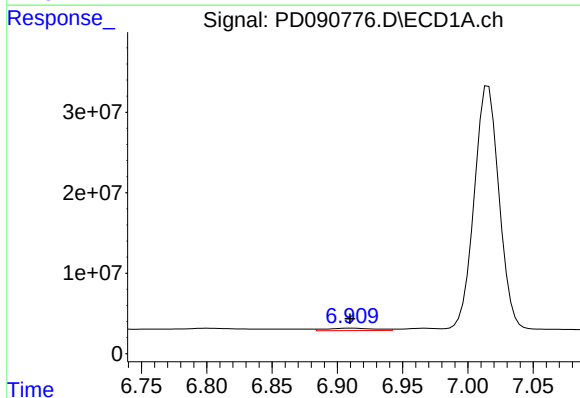
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



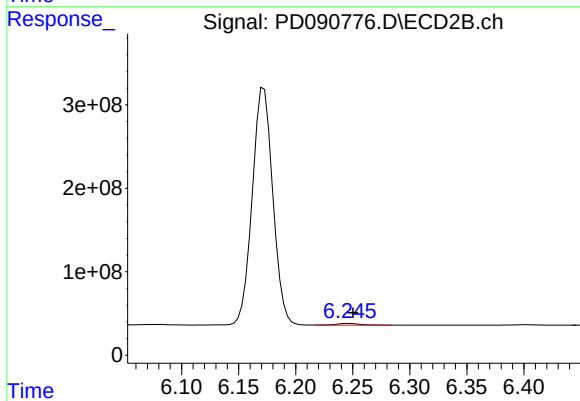
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 3574649415  
Conc: 101.92 ng/ml



#18 Endrin aldehyde

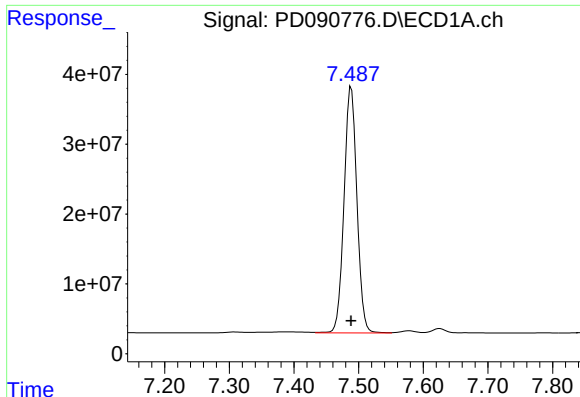
R.T.: 6.911 min  
Delta R.T.: 0.001 min  
Response: 7655029  
Conc: 2.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min  
Delta R.T.: -0.004 min  
Response: 28132388  
Conc: 1.02 ng/ml





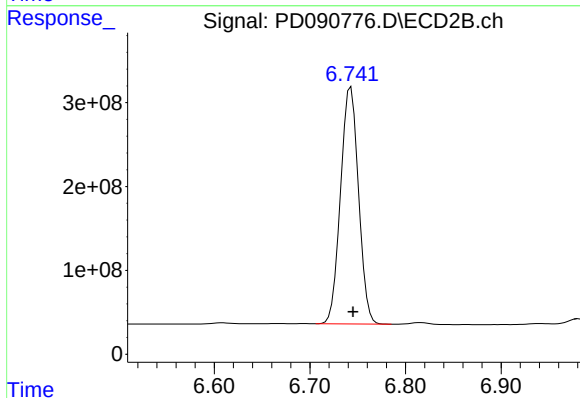
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 489204792  
Conc: 230.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

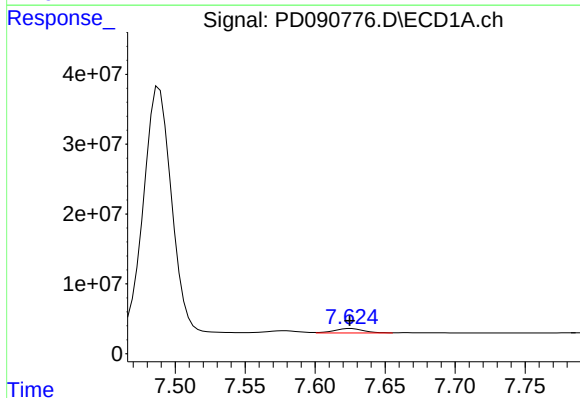
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



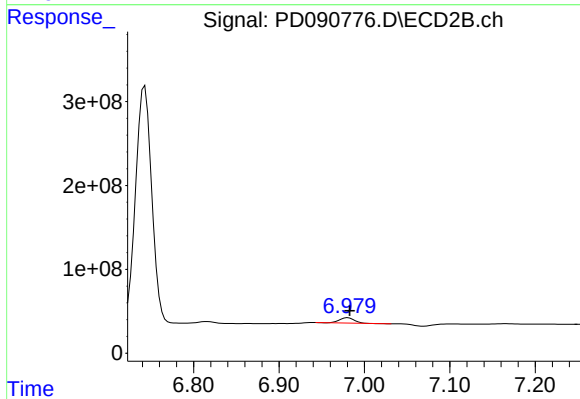
#20 Methoxychlor

R.T.: 6.743 min  
Delta R.T.: -0.002 min  
Response: 3699159084  
Conc: 212.26 ng/ml



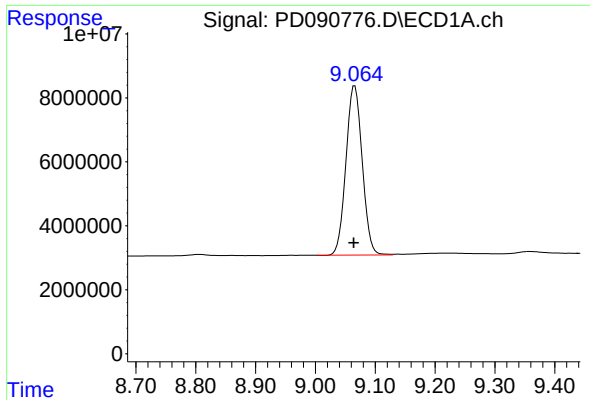
#21 Endrin ketone

R.T.: 7.626 min  
Delta R.T.: 0.000 min  
Response: 9080276  
Conc: 1.87 ng/ml



#21 Endrin ketone

R.T.: 6.981 min  
Delta R.T.: -0.002 min  
Response: 74975964  
Conc: 1.99 ng/ml



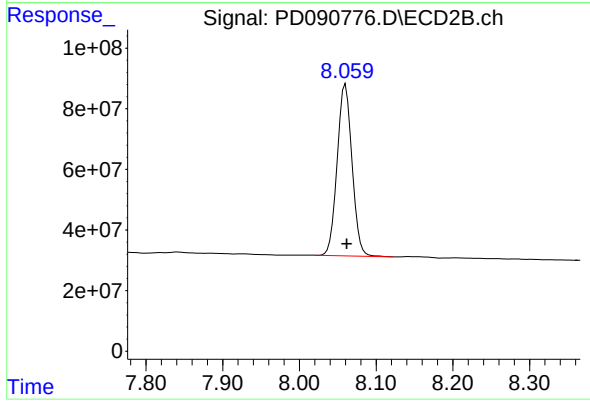
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 99943602  
Conc: 21.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 762594665  
Conc: 25.18 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090800.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:22

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.065 | 8.960     | 9.170 | 21.040             | 20.000            | 5.2   |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 20.050             | 20.000            | 0.3   |
| alpha-BHC            | 3.993 | 3.940     | 4.040 | 8.390              | 10.000            | -16.1 |
| beta-BHC             | 4.511 | 4.460     | 4.560 | 9.690              | 10.000            | -3.1  |
| gamma-BHC (Lindane)  | 4.324 | 4.270     | 4.370 | 8.730              | 10.000            | -12.7 |
| Endrin               | 6.567 | 6.500     | 6.640 | 46.520             | 50.000            | -7.0  |
| 4,4'-DDT             | 7.015 | 6.940     | 7.090 | 88.410             | 100.000           | -11.6 |
| Methoxychlor         | 7.487 | 7.420     | 7.560 | 199.730            | 250.000           | -20.1 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090800.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:22

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 8.060 | 7.960     | 8.160 | 23.650             | 20.000            | 18.3  |
| Tetrachloro-m-xylene | 2.874 | 2.820     | 2.920 | 20.510             | 20.000            | 2.6   |
| alpha-BHC            | 3.385 | 3.330     | 3.440 | 10.010             | 10.000            | 0.1   |
| beta-BHC             | 4.018 | 3.970     | 4.070 | 10.040             | 10.000            | 0.4   |
| gamma-BHC (Lindane)  | 3.721 | 3.670     | 3.770 | 10.170             | 10.000            | 1.7   |
| Endrin               | 5.779 | 5.710     | 5.850 | 49.090             | 50.000            | -1.8  |
| 4,4'-DDT             | 6.172 | 6.100     | 6.240 | 90.070             | 100.000           | -9.9  |
| Methoxychlor         | 6.743 | 6.670     | 6.810 | 188.750            | 250.000           | -24.5 |

Data File: PEM  
 PD090800.D Date Acquired #####  
 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 | 230463791.6 | 243120060.8           | 12656269.2          | Down<br>5.21 |
| Endrin aldehyde | 6.91 | 2130024.18  |                       |                     |              |
| Endrin ketone   | 7.62 | 10526245    |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.78 | 1987828575  | 2103848976            | 116020400           | 5.51         |
| Endrin aldehyde #2 | 6.25 | 25453732.64 |                       |                     |              |
| Endrin ketone #2   | 6.98 | 90566667.74 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.01 | 363422823.8 | 379359618.6               | 15936794.8            | 4.20         |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.70 | 15936794.77 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.17 | 3159017315  | 3322081297                | 163063982             | 4.91         |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.92 | 163063982.4 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
 Data File : PD090800.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 18:22  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/24/2025  
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:18:12 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 62433656 | 610.8E6  | 20.048  | 20.514  |
| 28)                         | SA Decachlor... | 9.065 | 8.060 | 98435904 | 716.3E6  | 21.042  | 23.647  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 60251002 | 511.4E6  | 8.395   | 10.009  |
| 3)                          | MA gamma-BHC... | 4.324 | 3.721 | 59329685 | 480.4E6  | 8.726   | 10.168  |
| 6)                          | B beta-BHC      | 4.511 | 4.018 | 25384297 | 199.1E6  | 9.690   | 10.042  |
| 14)                         | MA Endrin       | 6.567 | 5.779 | 230.5E6  | 1987.8E6 | 46.524  | 49.090  |
| 16)                         | A 4,4'-DDD      | 6.698 | 5.919 | 15936795 | 163.1E6  | 3.931m  | 4.475   |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.172 | 363.4E6  | 3159.0E6 | 88.414  | 90.070  |
| 18)                         | B Endrin al...  | 6.910 | 6.248 | 2130024  | 25453733 | 0.582m  | 0.919 # |
| 20)                         | A Methoxychlor  | 7.487 | 6.743 | 424.5E6  | 3289.5E6 | 199.732 | 188.751 |
| 21)                         | B Endrin ke...  | 7.624 | 6.981 | 10526245 | 90566668 | 2.166   | 2.401   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090800.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 18:22  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

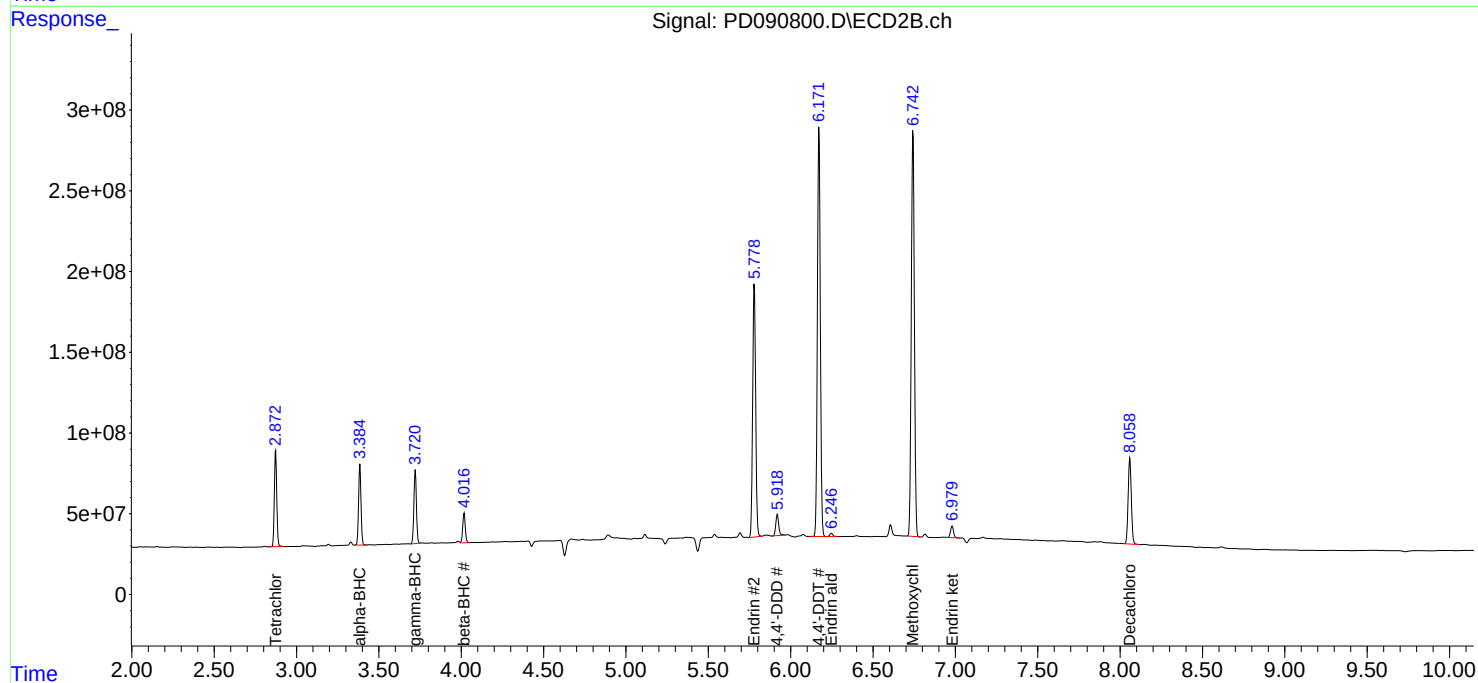
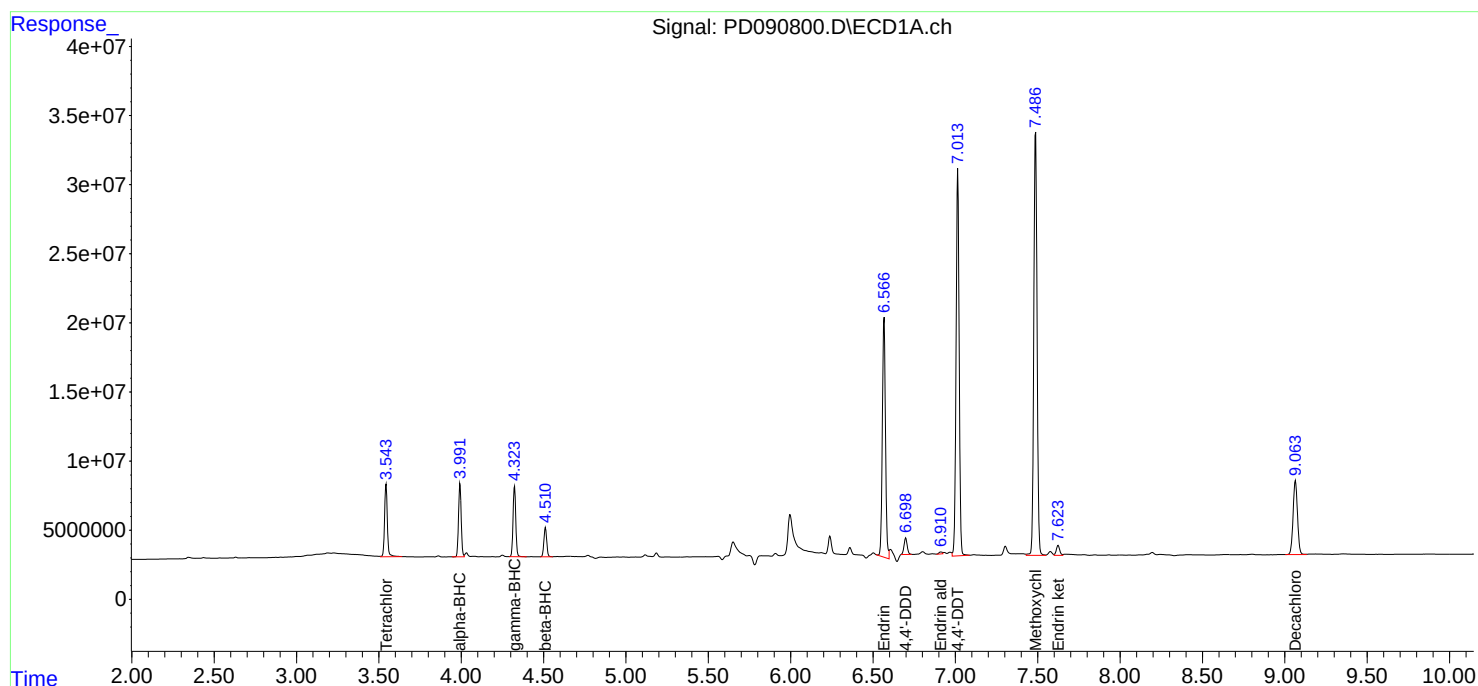
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

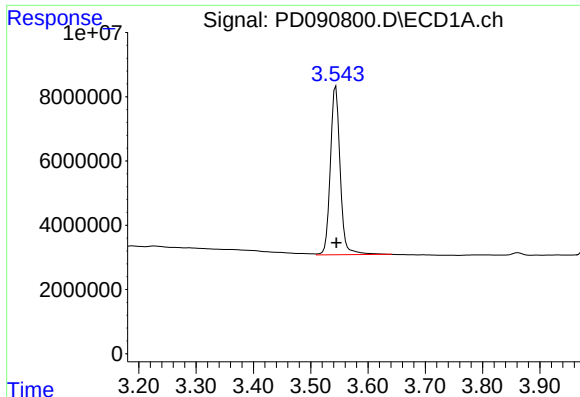
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 10/24/2025  
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:18:12 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





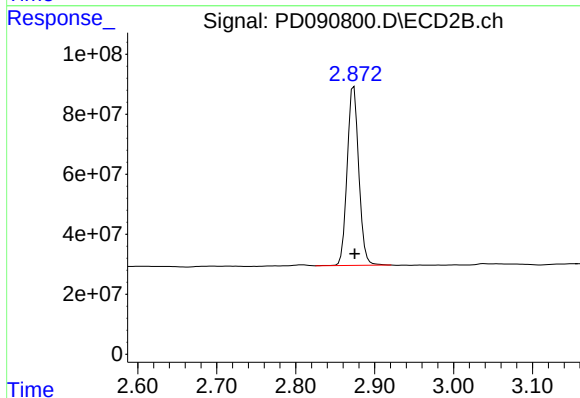
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 62433656  
Conc: 20.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

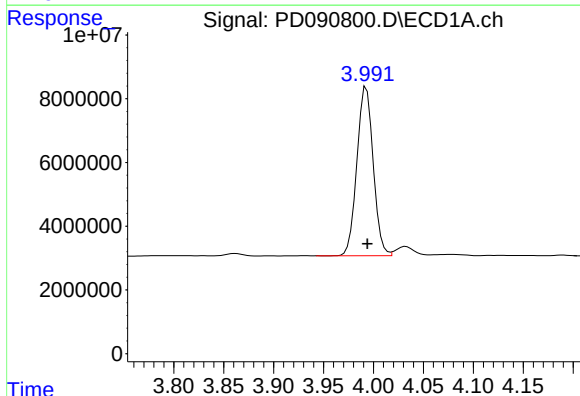
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



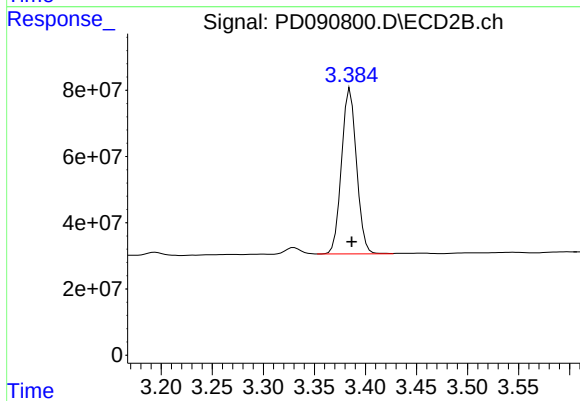
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: -0.001 min  
Response: 610834477  
Conc: 20.51 ng/ml



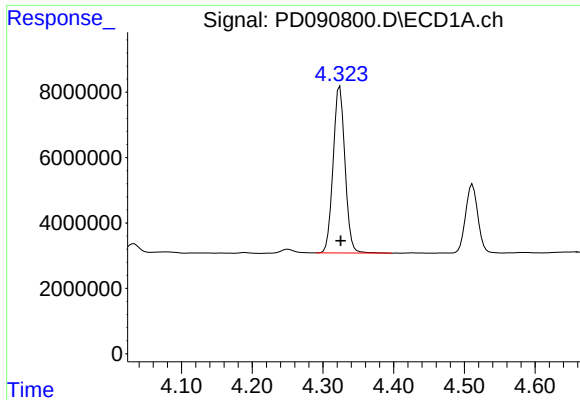
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: -0.001 min  
Response: 60251002  
Conc: 8.39 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.001 min  
Response: 511410275  
Conc: 10.01 ng/ml



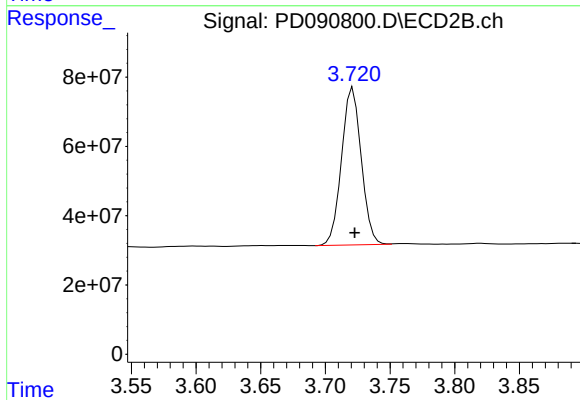
#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: -0.001 min  
Response: 59329685  
Conc: 8.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

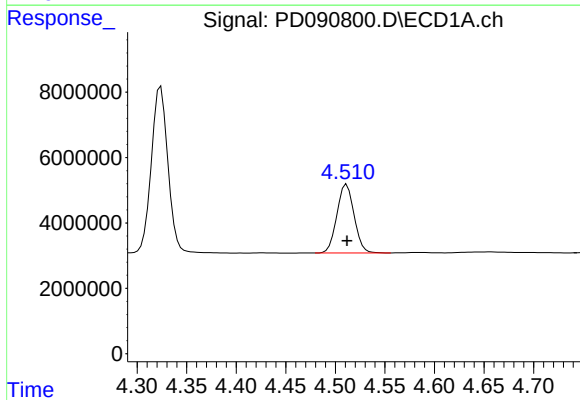
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



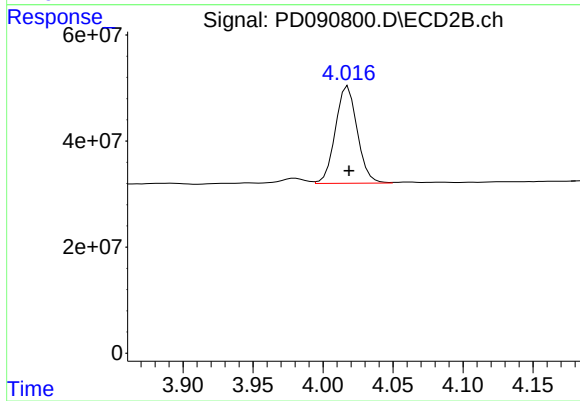
#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.001 min  
Response: 480431196  
Conc: 10.17 ng/ml



#6 beta-BHC

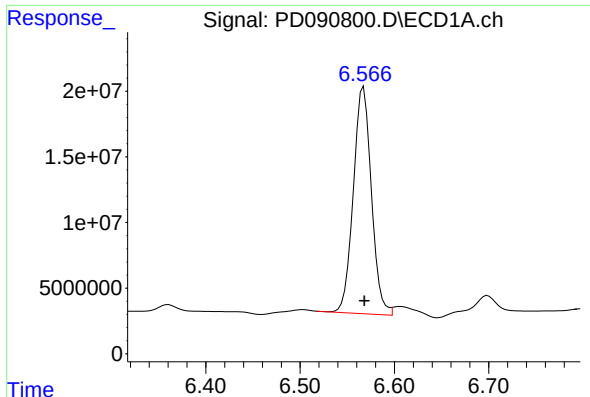
R.T.: 4.511 min  
Delta R.T.: 0.000 min  
Response: 25384297  
Conc: 9.69 ng/ml



#6 beta-BHC

R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 199134374  
Conc: 10.04 ng/ml





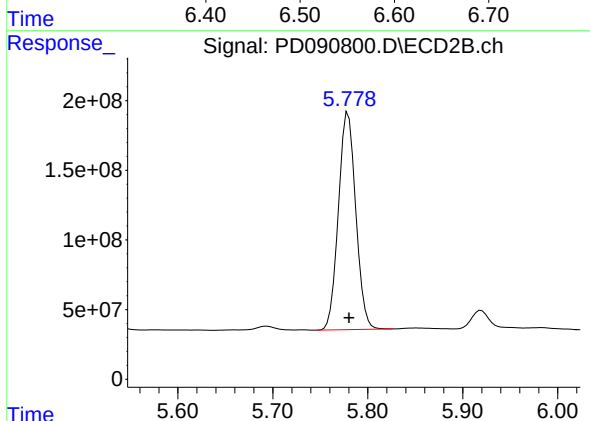
#14 Endrin

R.T.: 6.567 min  
Delta R.T.: 0.000 min  
Response: 230463792  
Conc: 46.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

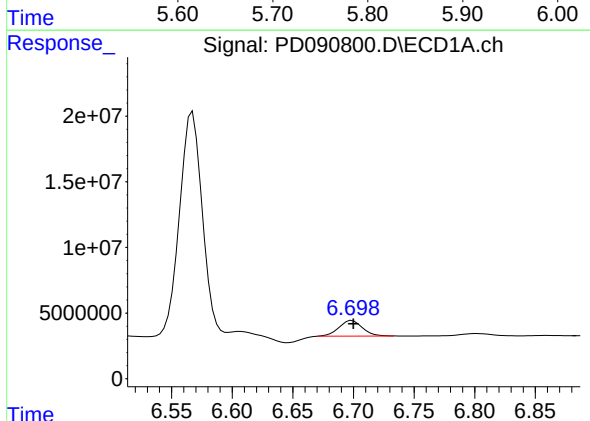
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



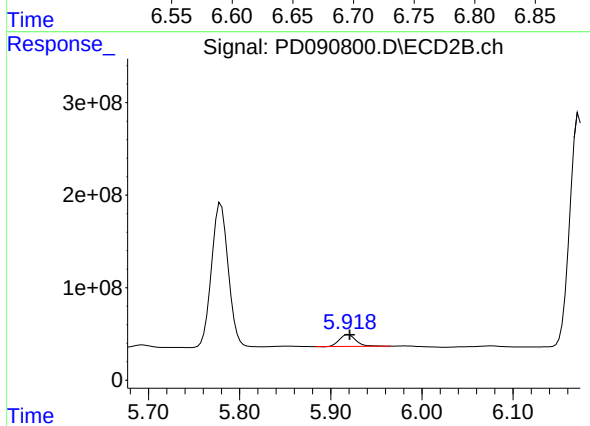
#14 Endrin

R.T.: 5.779 min  
Delta R.T.: -0.001 min  
Response: 1987828575  
Conc: 49.09 ng/ml



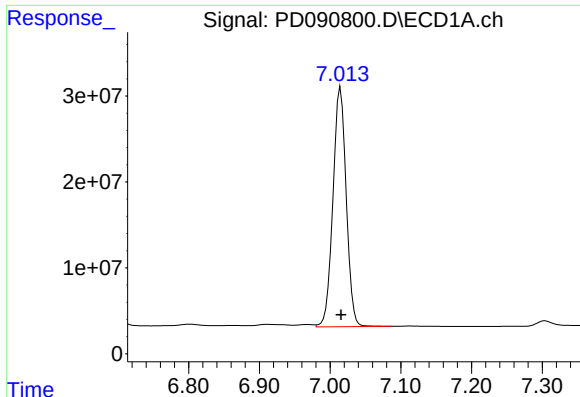
#16 4,4'-DDD

R.T.: 6.698 min  
Delta R.T.: -0.003 min  
Response: 15936795  
Conc: 3.93 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min  
Delta R.T.: -0.001 min  
Response: 163063982  
Conc: 4.48 ng/ml



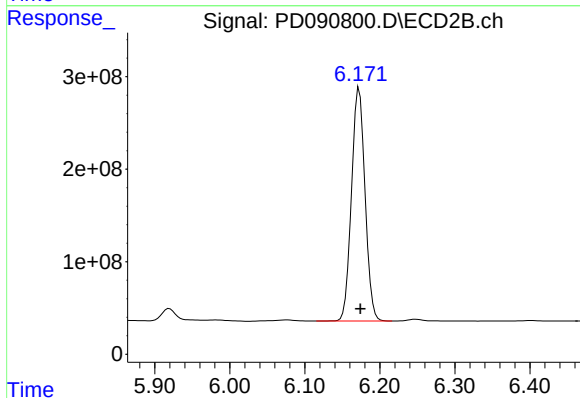
#17 4,4'-DDT

R.T.: 7.015 min  
Delta R.T.: 0.000 min  
Response: 363422824  
Conc: 88.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

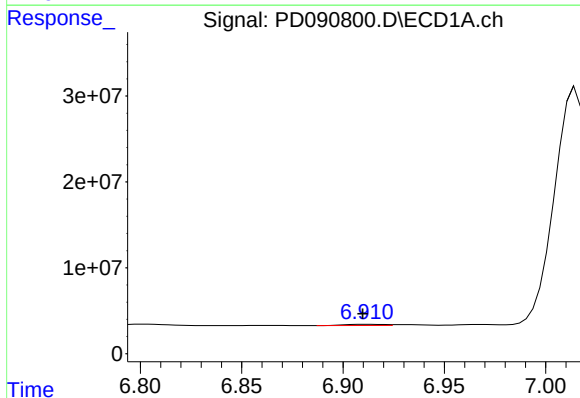
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



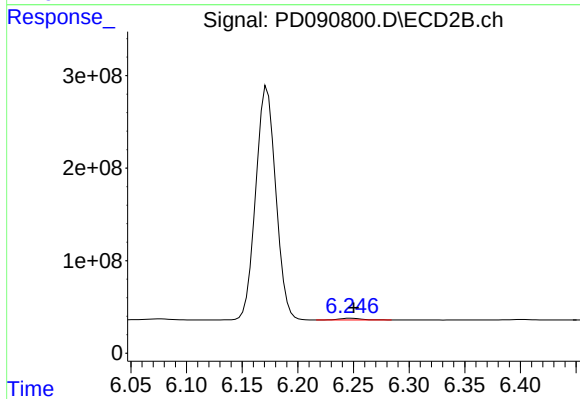
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 3159017315  
Conc: 90.07 ng/ml



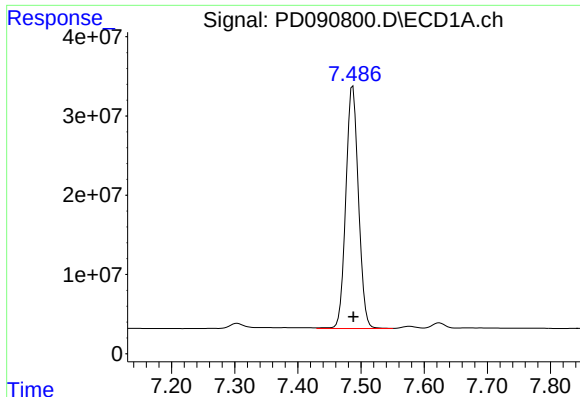
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 2130024  
Conc: 0.58 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min  
Delta R.T.: -0.003 min  
Response: 25453733  
Conc: 0.92 ng/ml



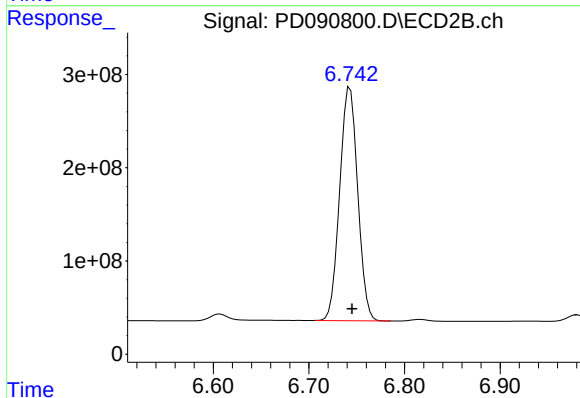
#20 Methoxychlor

R.T.: 7.487 min  
Delta R.T.: -0.001 min  
Response: 424547253  
Conc: 199.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

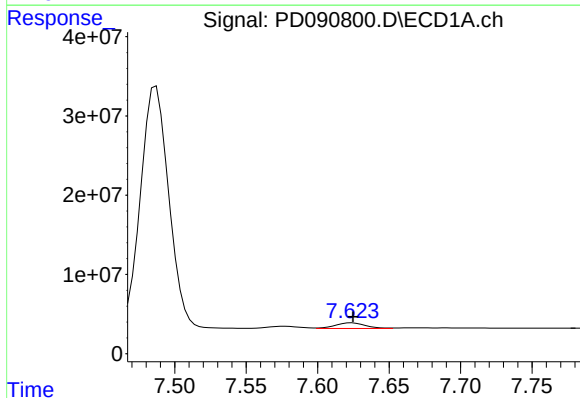
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



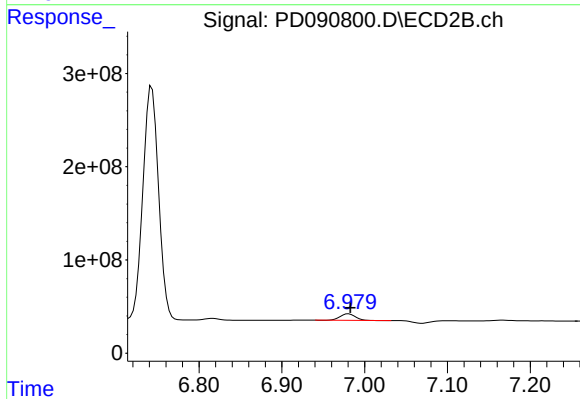
#20 Methoxychlor

R.T.: 6.743 min  
Delta R.T.: -0.002 min  
Response: 3289516865  
Conc: 188.75 ng/ml



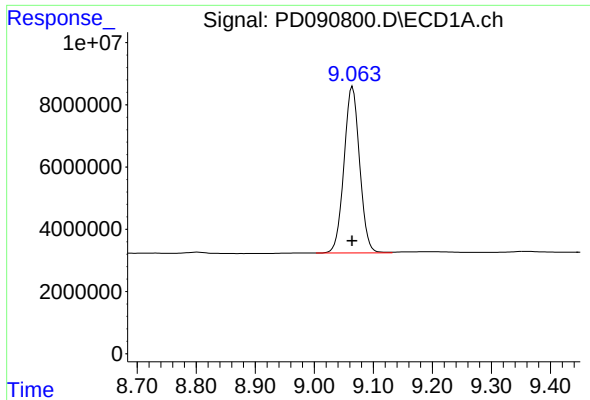
#21 Endrin ketone

R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 10526245  
Conc: 2.17 ng/ml



#21 Endrin ketone

R.T.: 6.981 min  
Delta R.T.: -0.002 min  
Response: 90566668  
Conc: 2.40 ng/ml



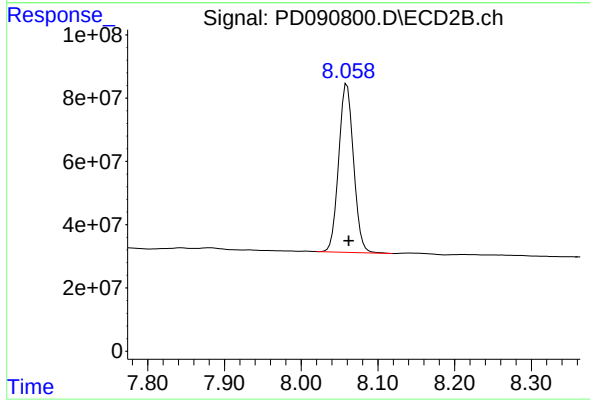
#28 Decachlorobiphenyl

R.T.: 9.065 min  
Delta R.T.: 0.000 min  
Response: 98435904  
Conc: 21.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 716313162  
Conc: 23.65 ng/ml

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

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

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 9.064 | 8.960     | 9.160 | 22.330             | 20.000            | 11.7 |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 21.490             | 20.000            | 7.5  |
| alpha-BHC            | 3.993 | 3.940     | 4.040 | 9.010              | 10.000            | -9.9 |
| beta-BHC             | 4.511 | 4.460     | 4.560 | 10.370             | 10.000            | 3.7  |
| gamma-BHC (Lindane)  | 4.324 | 4.270     | 4.370 | 9.370              | 10.000            | -6.3 |
| Endrin               | 6.567 | 6.500     | 6.640 | 48.070             | 50.000            | -3.9 |
| 4,4'-DDT             | 7.014 | 6.940     | 7.080 | 96.170             | 100.000           | -3.8 |
| Methoxychlor         | 7.487 | 7.420     | 7.560 | 225.780            | 250.000           | -9.7 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

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

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 8.059 | 7.960     | 8.160 | 24.810             | 20.000            | 24.1  |
| Tetrachloro-m-xylene | 2.873 | 2.820     | 2.920 | 21.460             | 20.000            | 7.3   |
| alpha-BHC            | 3.385 | 3.330     | 3.440 | 10.480             | 10.000            | 4.8   |
| beta-BHC             | 4.017 | 3.970     | 4.070 | 10.550             | 10.000            | 5.5   |
| gamma-BHC (Lindane)  | 3.721 | 3.670     | 3.770 | 10.650             | 10.000            | 6.5   |
| Endrin               | 5.778 | 5.710     | 5.850 | 49.240             | 50.000            | -1.5  |
| 4,4'-DDT             | 6.172 | 6.100     | 6.240 | 96.190             | 100.000           | -3.8  |
| Methoxychlor         | 6.742 | 6.670     | 6.810 | 201.080            | 250.000           | -19.6 |

PEM  
 Data File: PD090809.D Date Acquired 10/24/2025 10:10  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.57 | 238145829.3 | 254166818.1           | 16020988.9          | 6.30         |
| Endrin aldehyde | 6.91 | 2930966.66  |                       |                     |              |
| Endrin ketone   | 7.62 | 13090022.22 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.78 | 1993830831  | 2139435791            | 145604960           | 6.81         |
| Endrin aldehyde #2 | 6.25 | 33720803.16 |                       |                     |              |
| Endrin ketone #2   | 6.98 | 111884157.2 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.01 | 395319383.9 | 417572336.6               | 22252952.7            | 5.33         |
| 4,4'-DDE | 6.19 | 688779.733  |                           |                       |              |
| 4,4'-DDD | 6.70 | 21564172.93 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.17 | 3373614500  | 3581824149                | 208209650             | 5.81         |
| 4,4'-DDE #2 | 5.36 | 6388394.054 |                           |                       |              |
| 4,4'-DDD #2 | 5.92 | 201821255.5 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
 Data File : PD090809.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2025 10:10  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 23:34:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 66932917 | 639.1E6  | 21.493  | 21.463  |
| 28)                         | SA Decachlor... | 9.064 | 8.059 | 104.5E6  | 751.5E6  | 22.332  | 24.808  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 64700224 | 535.7E6  | 9.015   | 10.484  |
| 3)                          | MA gamma-BHC... | 4.324 | 3.721 | 63699560 | 503.0E6  | 9.369   | 10.646  |
| 6)                          | B beta-BHC      | 4.511 | 4.017 | 27170709 | 209.1E6  | 10.372  | 10.546  |
| 12)                         | B 4,4'-DDE      | 6.187 | 5.365 | 688780   | 6388394  | 0.129m  | 0.146m  |
| 14)                         | MA Endrin       | 6.567 | 5.778 | 238.1E6  | 1993.8E6 | 48.074  | 49.238  |
| 16)                         | A 4,4'-DDD      | 6.697 | 5.917 | 21564173 | 201.8E6  | 5.319m  | 5.539m  |
| 17)                         | MA 4,4'-DDT     | 7.014 | 6.172 | 395.3E6  | 3373.6E6 | 96.174  | 96.188  |
| 18)                         | B Endrin al...  | 6.908 | 6.246 | 2930967  | 33720803 | 0.800m  | 1.218 # |
| 20)                         | A Methoxychlor  | 7.487 | 6.742 | 479.9E6  | 3504.5E6 | 225.781 | 201.084 |
| 21)                         | B Endrin ke...  | 7.624 | 6.980 | 13090022 | 111.9E6  | 2.694   | 2.966   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090809.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 10:10  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

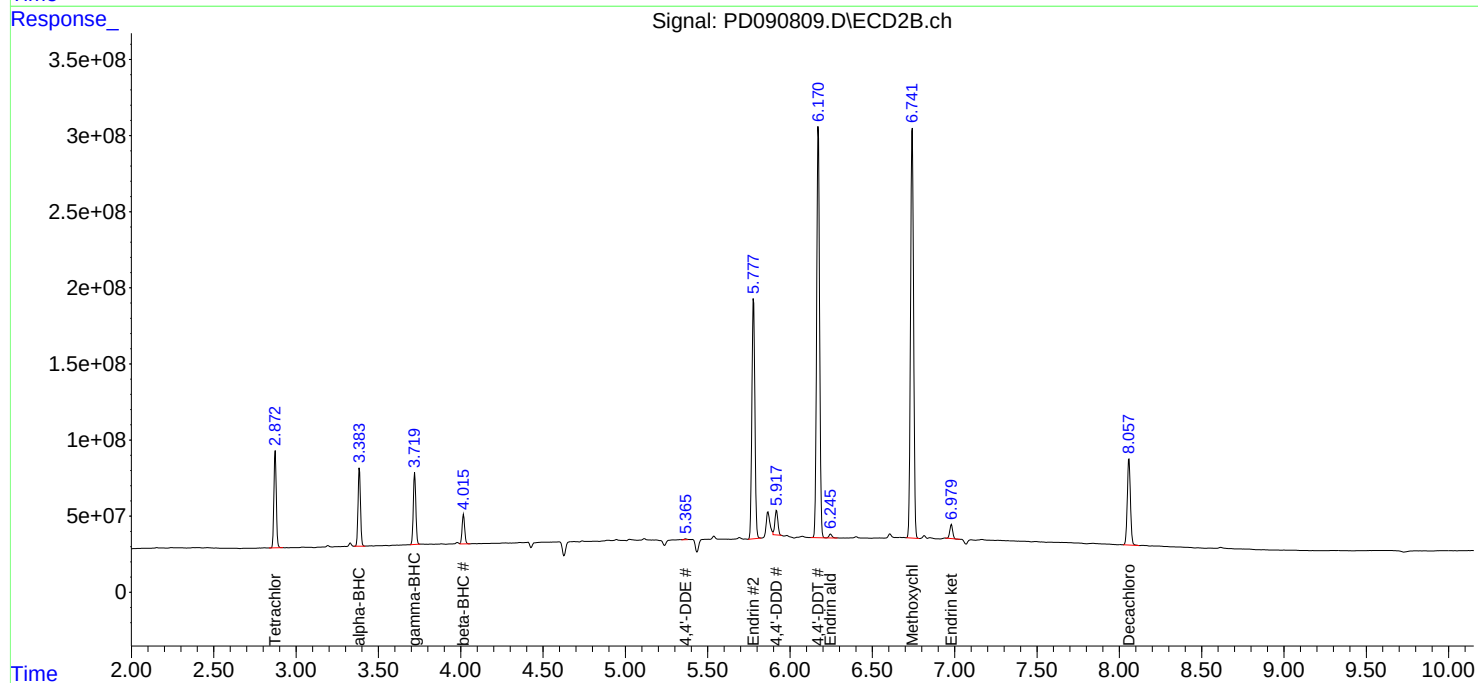
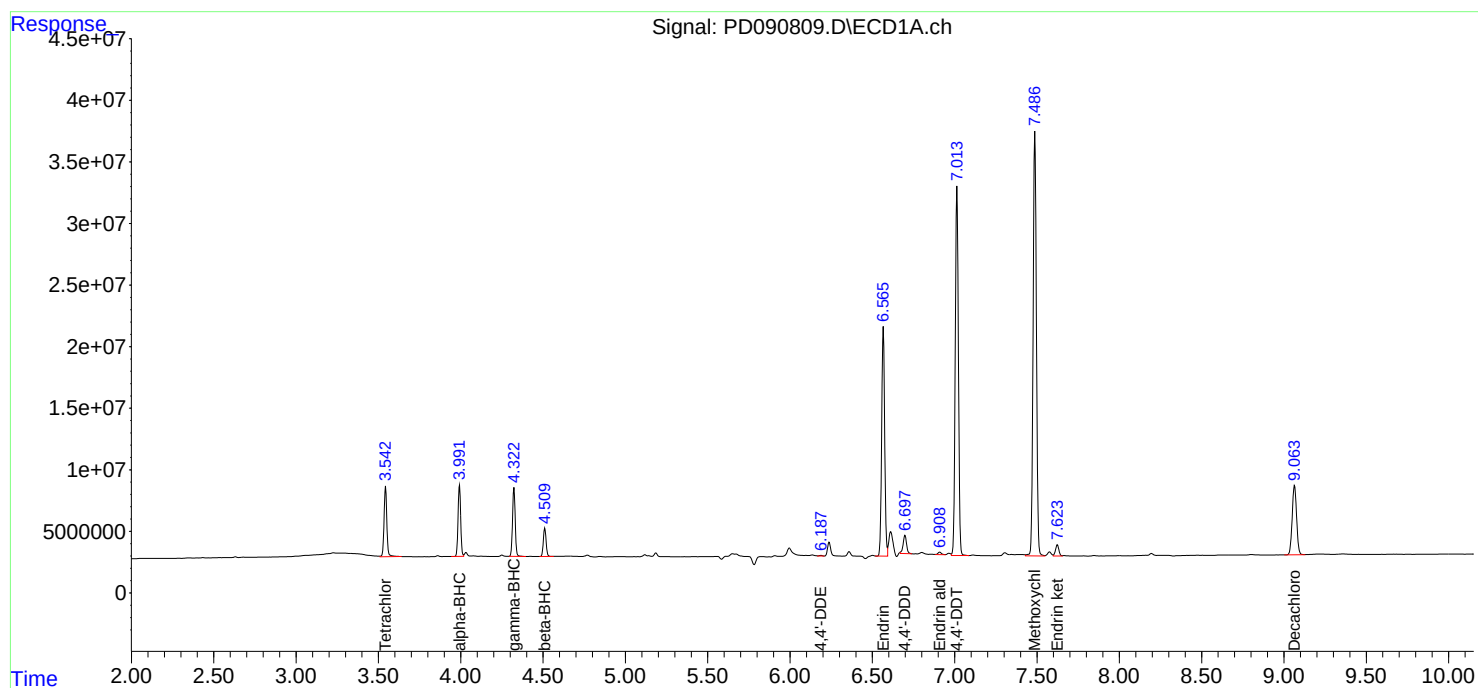
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

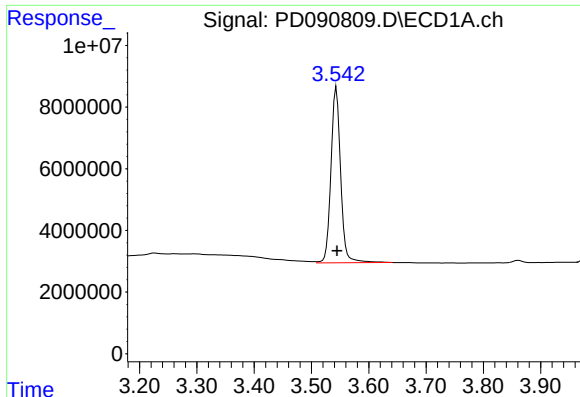
Reviewed By : Abdul Mirza 10/27/2025  
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:34:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm







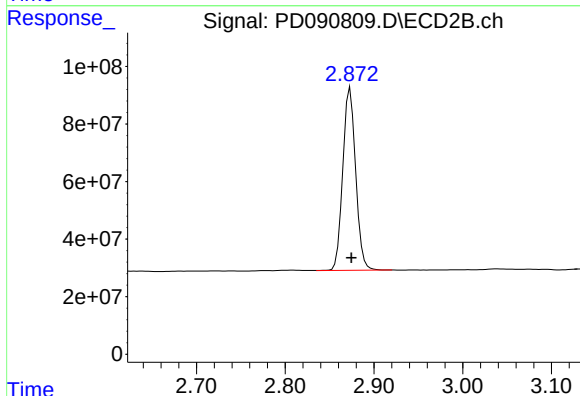
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 66932917  
Conc: 21.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

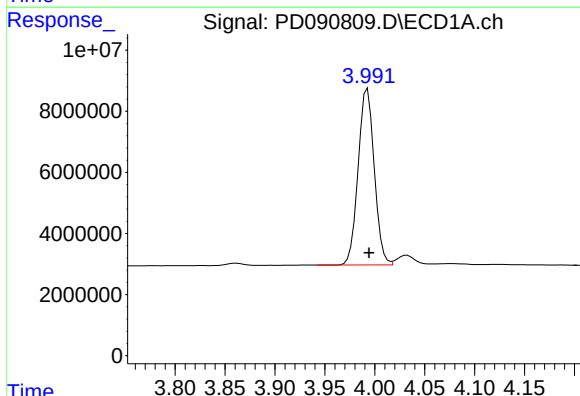
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



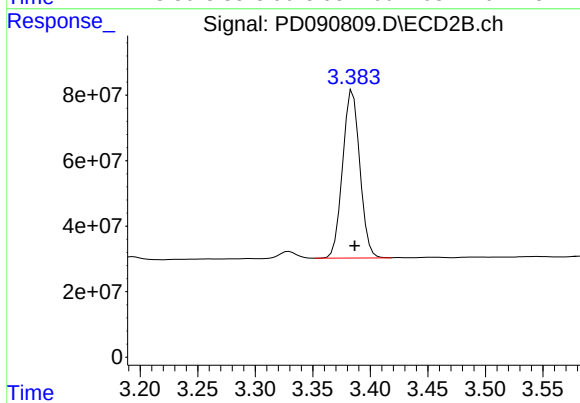
#1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 639095065  
Conc: 21.46 ng/ml



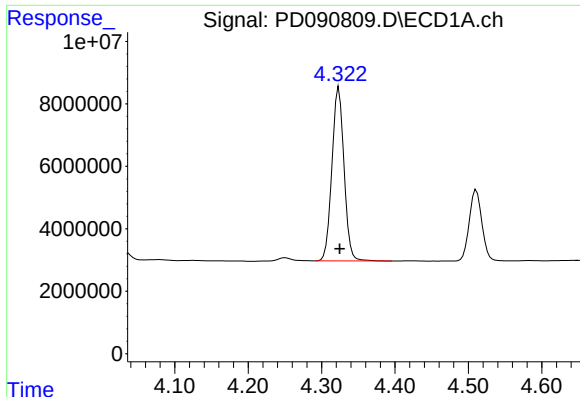
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: -0.001 min  
Response: 64700224  
Conc: 9.01 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.002 min  
Response: 535675263  
Conc: 10.48 ng/ml



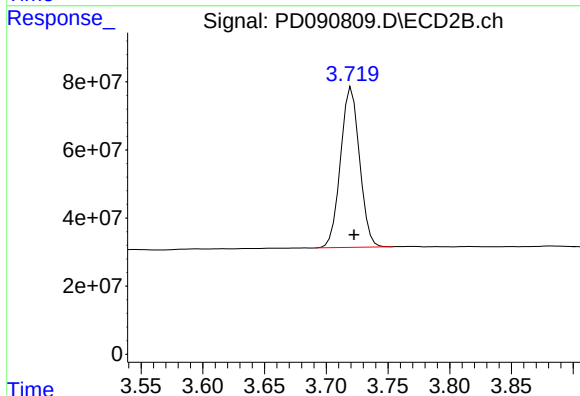
#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: -0.001 min  
Response: 63699560  
Conc: 9.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

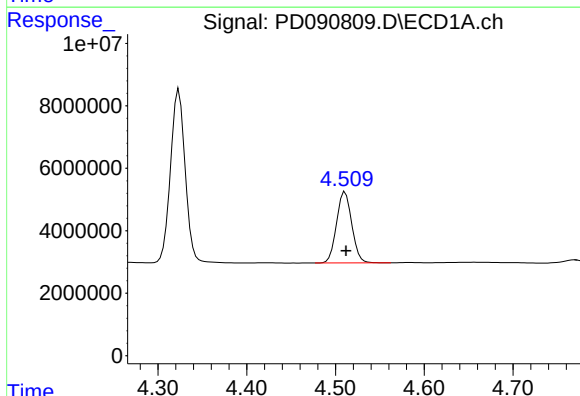
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



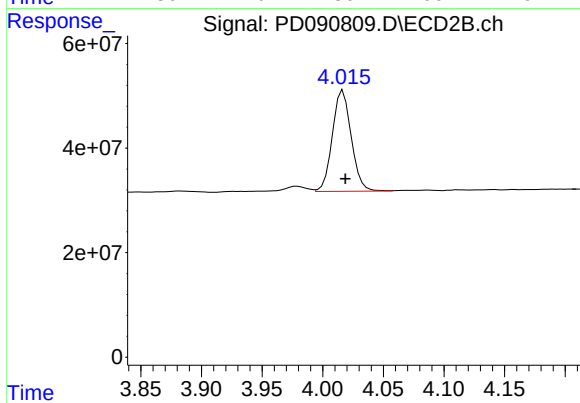
#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.002 min  
Response: 503028923  
Conc: 10.65 ng/ml



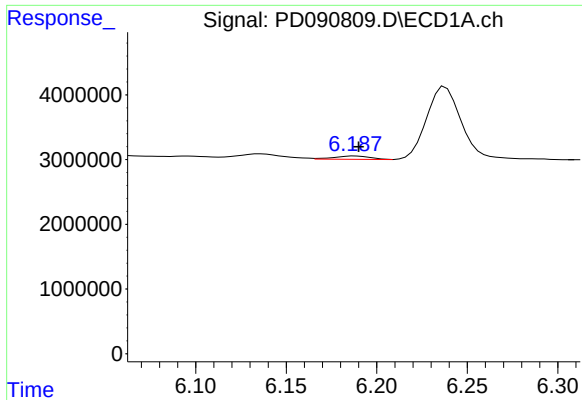
#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: -0.001 min  
Response: 27170709  
Conc: 10.37 ng/ml



#6 beta-BHC

R.T.: 4.017 min  
Delta R.T.: -0.002 min  
Response: 209125983  
Conc: 10.55 ng/ml



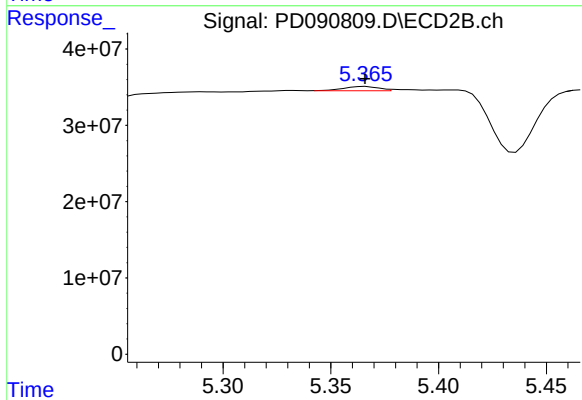
#12 4,4'-DDE

R.T.: 6.187 min  
Delta R.T.: -0.003 min  
Response: 688780  
Conc: 0.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

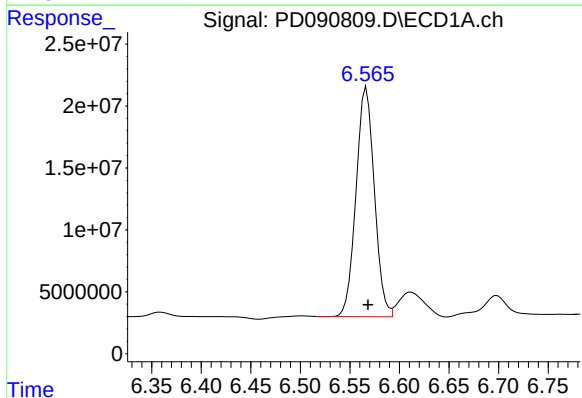
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



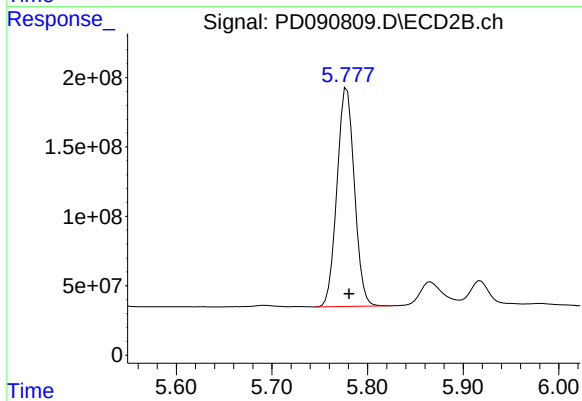
#12 4,4'-DDE

R.T.: 5.365 min  
Delta R.T.: 0.000 min  
Response: 6388394  
Conc: 0.15 ng/ml m



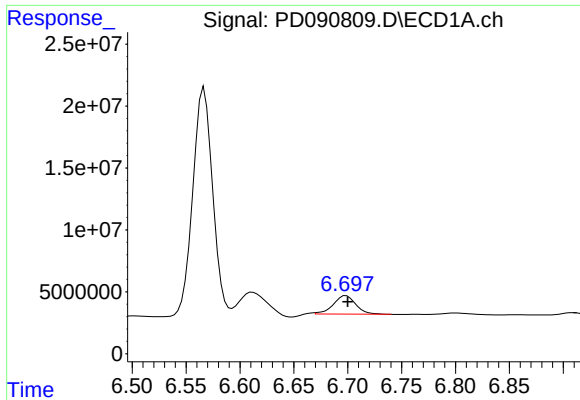
#14 Endrin

R.T.: 6.567 min  
Delta R.T.: -0.002 min  
Response: 238145829  
Conc: 48.07 ng/ml



#14 Endrin

R.T.: 5.778 min  
Delta R.T.: -0.002 min  
Response: 1993830831  
Conc: 49.24 ng/ml



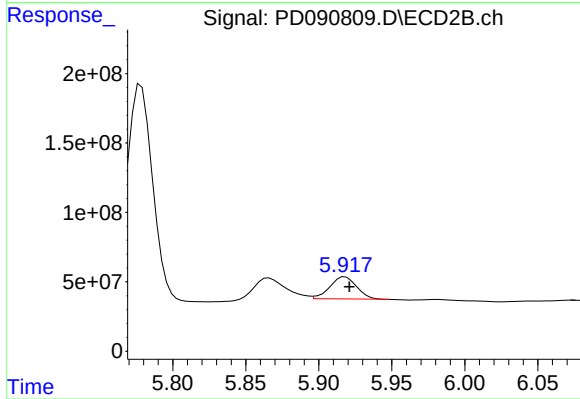
#16 4,4'-DDD

R.T.: 6.697 min  
Delta R.T.: -0.003 min  
Response: 21564173  
Conc: 5.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

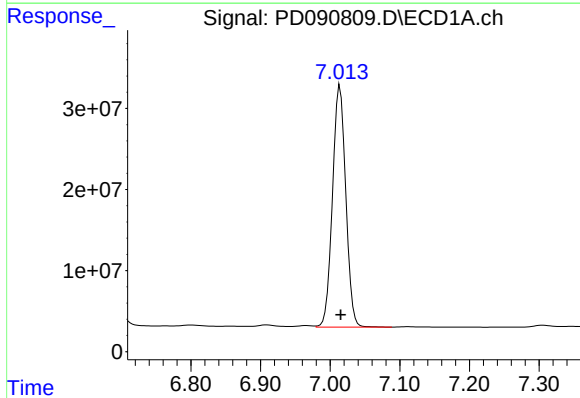
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



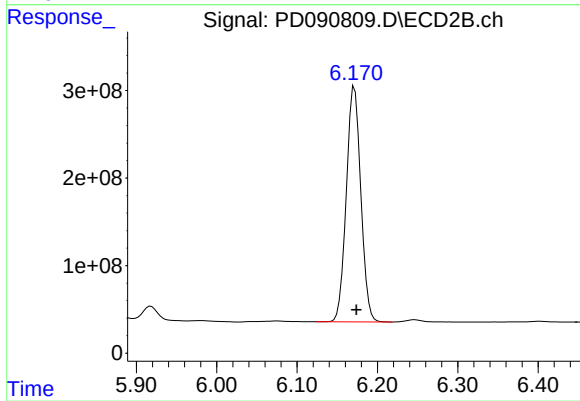
#16 4,4'-DDD

R.T.: 5.917 min  
Delta R.T.: -0.004 min  
Response: 201821255  
Conc: 5.54 ng/ml m



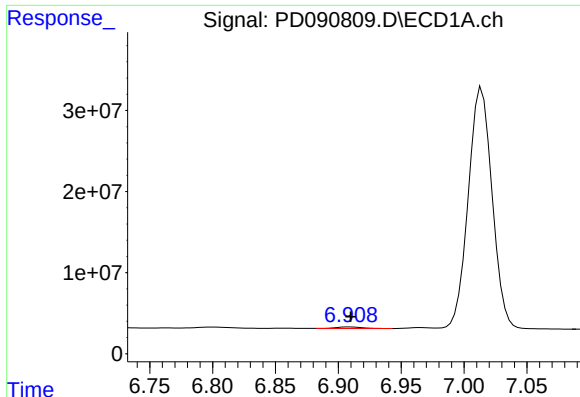
#17 4,4'-DDT

R.T.: 7.014 min  
Delta R.T.: -0.001 min  
Response: 395319384  
Conc: 96.17 ng/ml



#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 3373614500  
Conc: 96.19 ng/ml



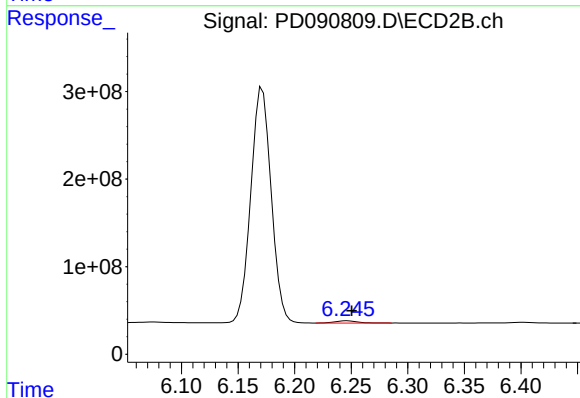
#18 Endrin aldehyde

R.T.: 6.908 min  
Delta R.T.: -0.002 min  
Response: 2930967  
Conc: 0.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

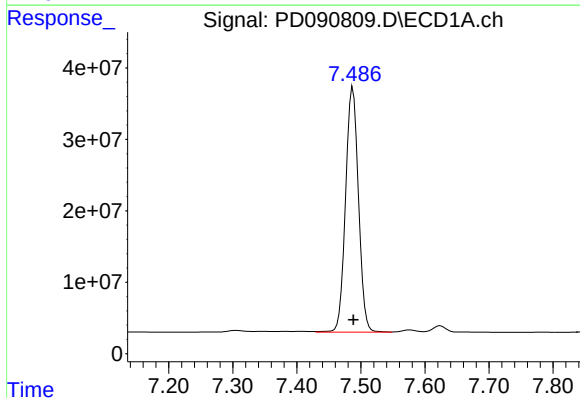
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



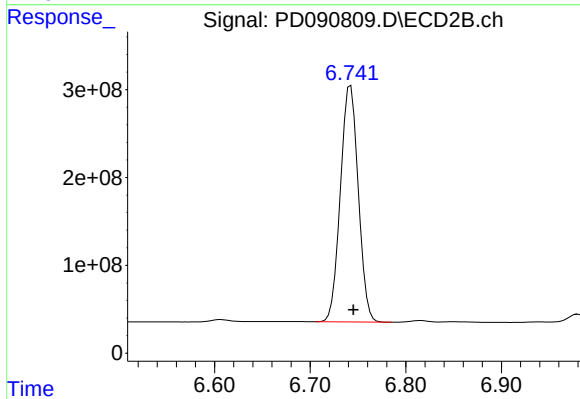
#18 Endrin aldehyde

R.T.: 6.246 min  
Delta R.T.: -0.004 min  
Response: 33720803  
Conc: 1.22 ng/ml



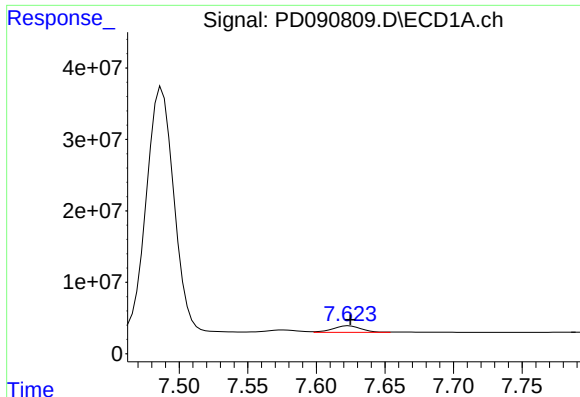
#20 Methoxychlor

R.T.: 7.487 min  
Delta R.T.: 0.000 min  
Response: 479916190  
Conc: 225.78 ng/ml



#20 Methoxychlor

R.T.: 6.742 min  
Delta R.T.: -0.003 min  
Response: 3504460103  
Conc: 201.08 ng/ml



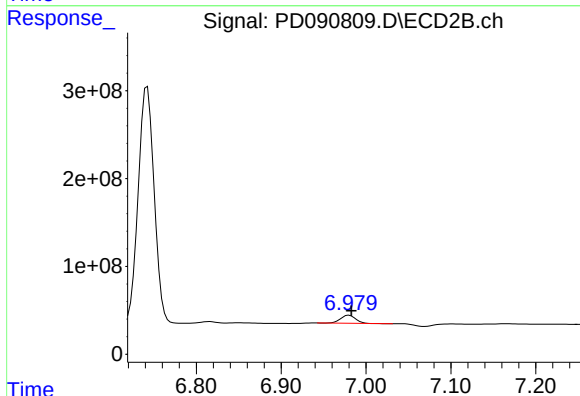
#21 Endrin ketone

R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 13090022  
Conc: 2.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

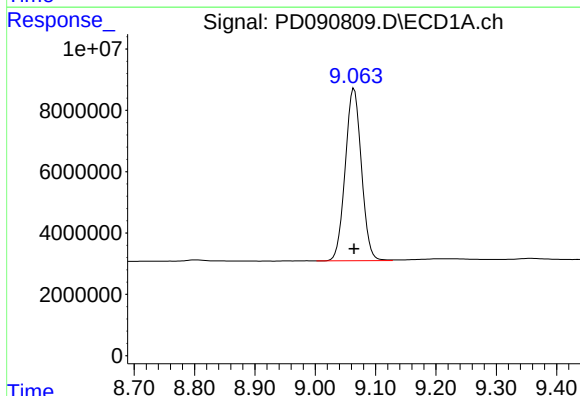
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



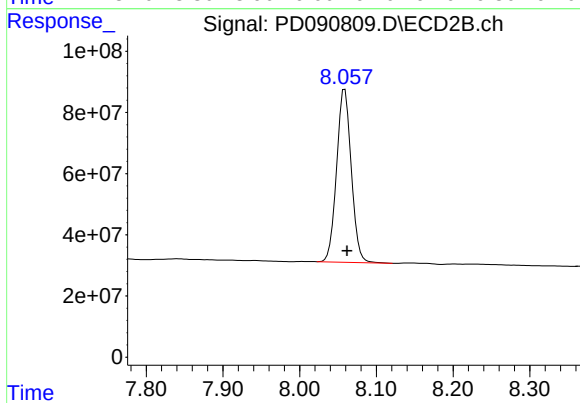
#21 Endrin ketone

R.T.: 6.980 min  
Delta R.T.: -0.002 min  
Response: 111884157  
Conc: 2.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min  
Delta R.T.: 0.000 min  
Response: 104467736  
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min  
Delta R.T.: -0.003 min  
Response: 751458751  
Conc: 24.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090649.D  
Acq On : 17 Oct 2025 11:20  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Title : GC Extractables  
Last Update : Fri Oct 17 17:43:28 2025  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.544 | 5.940 | 100.00%    |
| 5.940 | 6.068 | 100.00%    |
| 6.068 | 6.190 | 100.00%    |
| 6.190 | 6.341 | 100.00%    |
| 6.341 | 7.144 | 100.00%    |
| 7.144 | 7.488 | 100.00%    |
| 7.488 | 7.625 | 100.00%    |
| 7.625 | 9.066 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.874 | 5.116 | 100.00% |
| 5.116 | 5.238 | 100.00% |
| 5.238 | 5.366 | 100.00% |
| 5.366 | 5.503 | 100.00% |
| 5.503 | 6.474 | 100.00% |
| 6.474 | 6.745 | 100.00% |
| 6.745 | 6.983 | 100.00% |
| 6.983 | 8.062 | 100.00% |

PD101725.M Sat Oct 25 06:10:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090649.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 11:20  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 RESCHK

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 14:04:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:02:33 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.874 | 55125186 | 545.1E6  | 17.701m | 18.307 |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 88858238 | 547.9E6  | 18.995  | 18.088 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 43926319 | 330.7E6  | 7.934   | 8.397  |
| 10)                         | B gamma-Chl...  | 5.940 | 5.116 | 47696248 | 387.3E6  | 8.042   | 8.616  |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 86477351 | 754.1E6  | 16.235  | 17.202 |
| 13)                         | MA Dieldrin     | 6.341 | 5.503 | 92552800 | 748.0E6  | 15.872  | 16.930 |
| 19)                         | B Endosulfa...  | 7.144 | 6.474 | 76754913 | 612.1E6  | 16.548  | 17.078 |
| 20)                         | A Methoxychlor  | 7.488 | 6.745 | 169.7E6  | 1331.6E6 | 79.844  | 76.409 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 80182457 | 638.1E6  | 16.502  | 16.917 |
| -----                       |                 |       |       |          |          |         |        |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090649.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 11:20  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

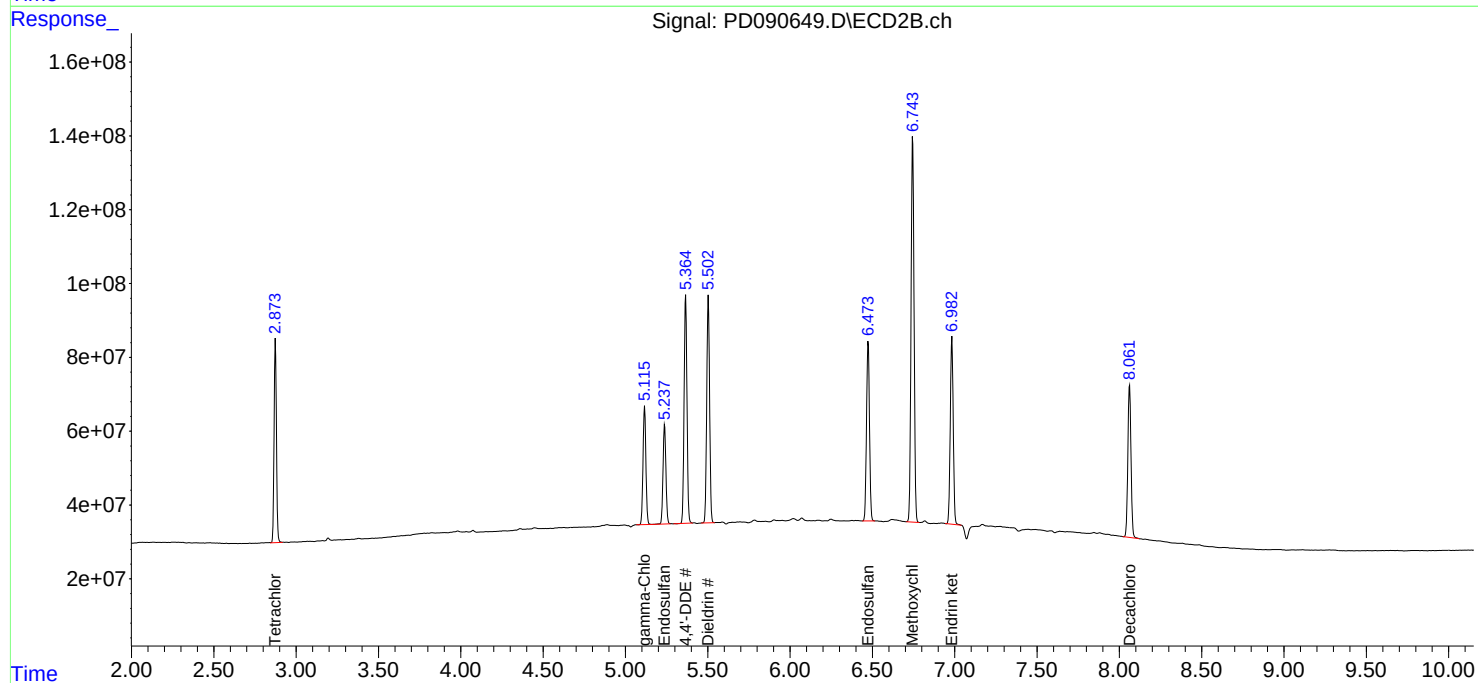
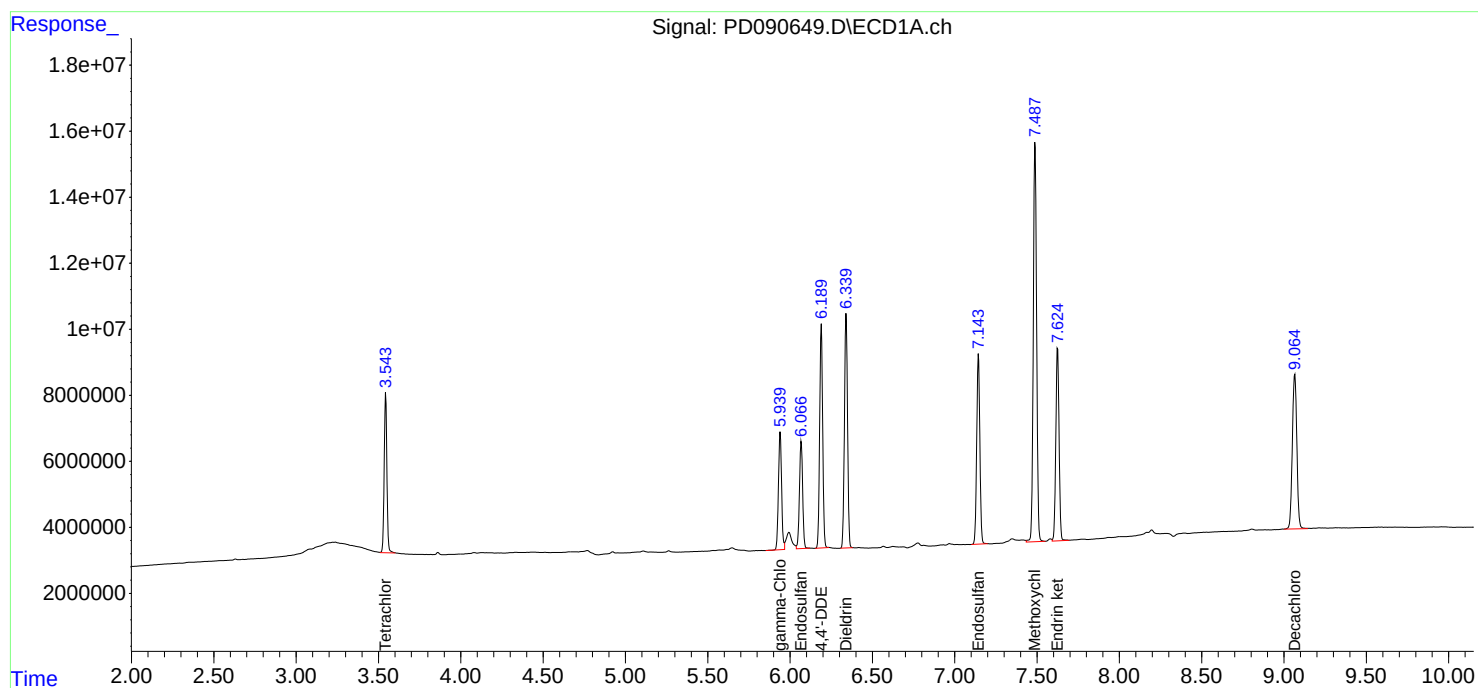
Instrument :  
ECD\_D  
ClientSampleId :  
RESCHK

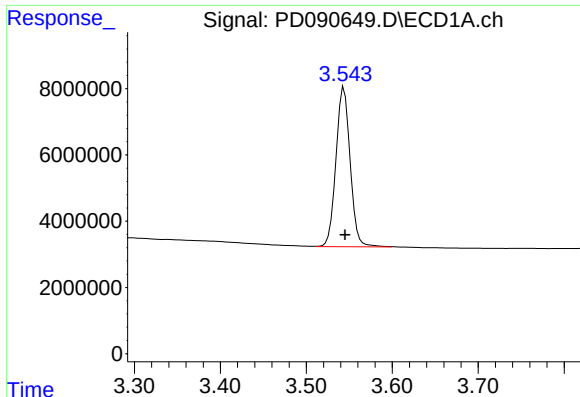
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:04:42 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 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 x 0.25µm





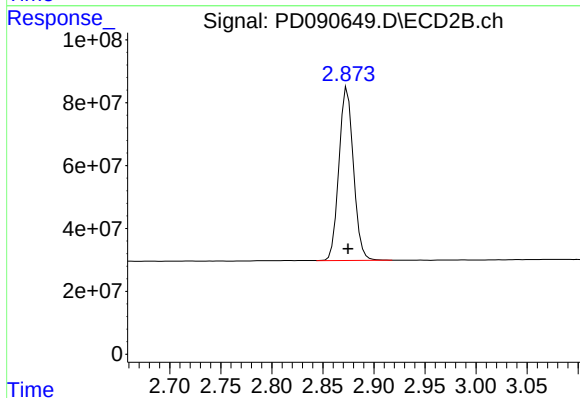
#1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 55125186  
Conc: 17.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
RESCHK

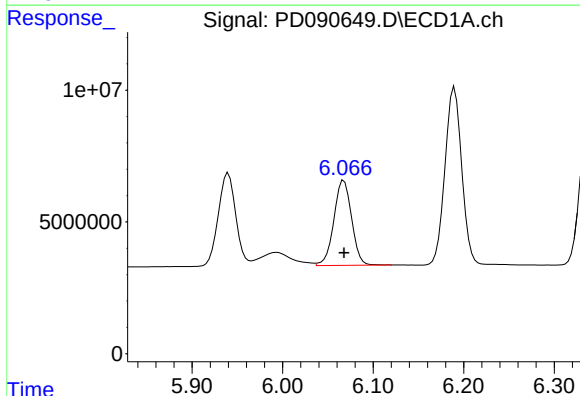
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



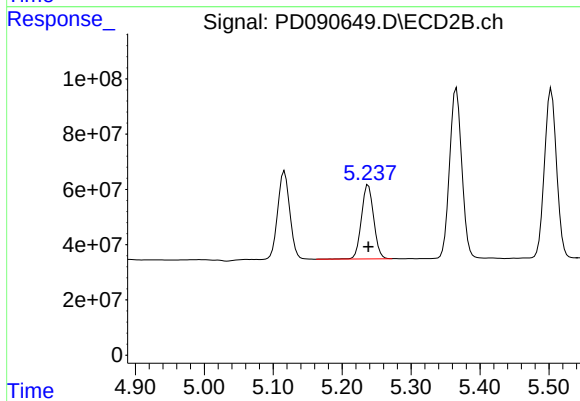
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 545126372  
Conc: 18.31 ng/ml



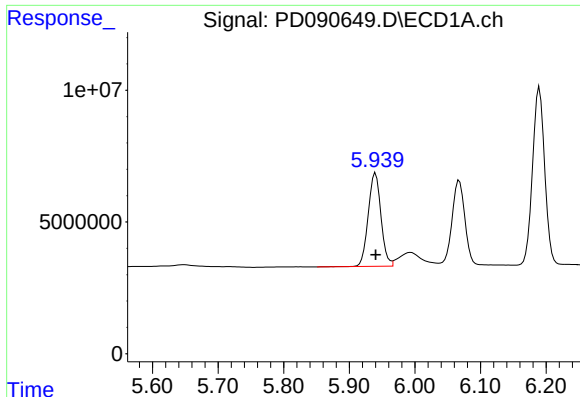
#9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 43926319  
Conc: 7.93 ng/ml



#9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 330745194  
Conc: 8.40 ng/ml



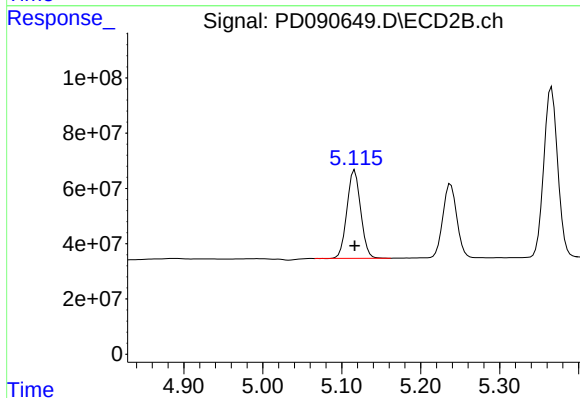
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 47696248  
Conc: 8.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
RESCHK

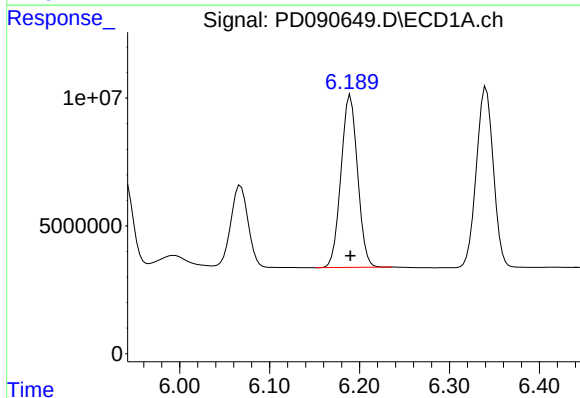
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



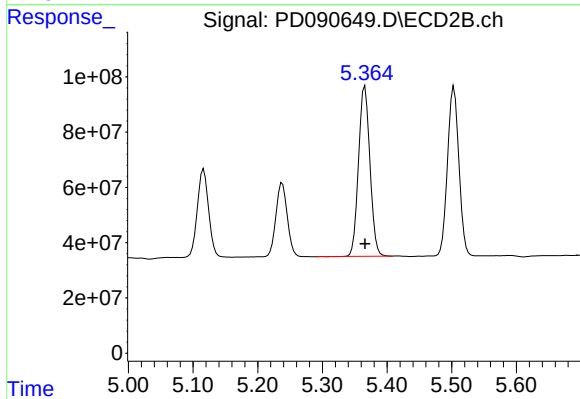
#10 gamma-Chlordane

R.T.: 5.116 min  
Delta R.T.: 0.000 min  
Response: 387274886  
Conc: 8.62 ng/ml



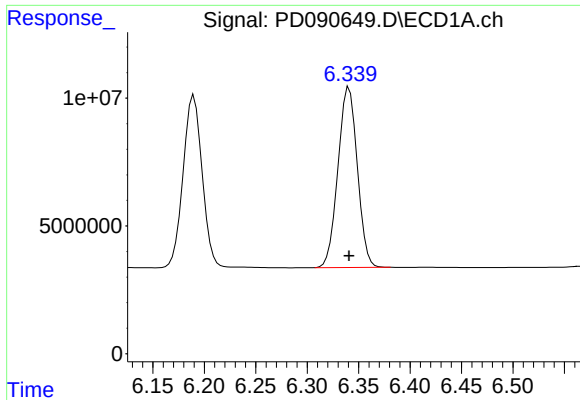
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 86477351  
Conc: 16.23 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 754114700  
Conc: 17.20 ng/ml



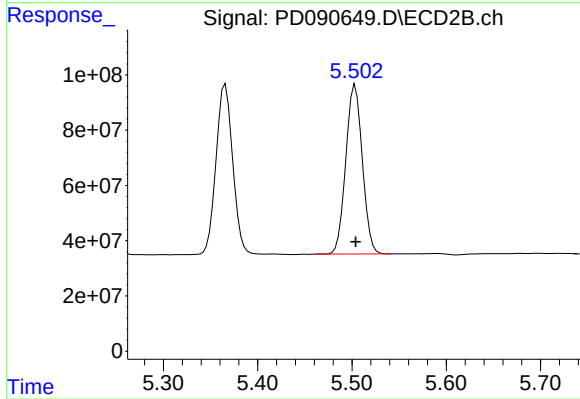
#13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 92552800  
Conc: 15.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
RESCHK

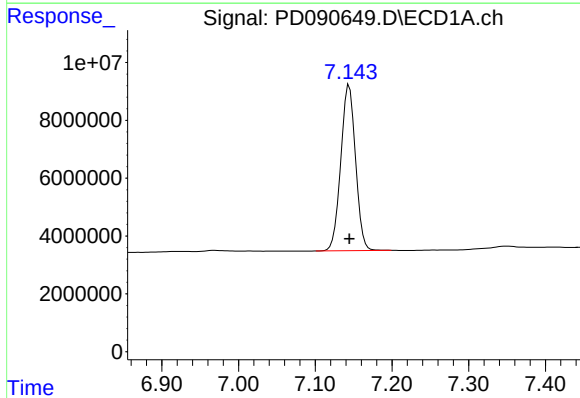
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



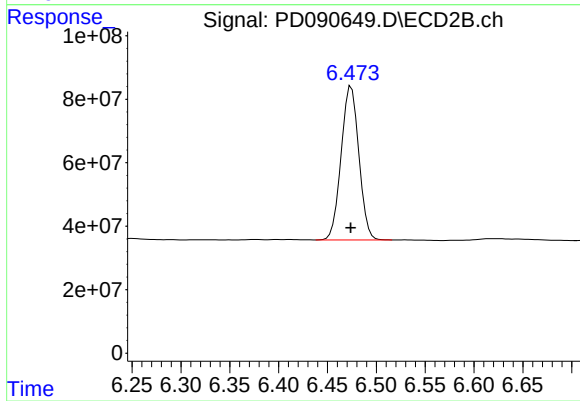
#13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: 0.000 min  
Response: 748035470  
Conc: 16.93 ng/ml



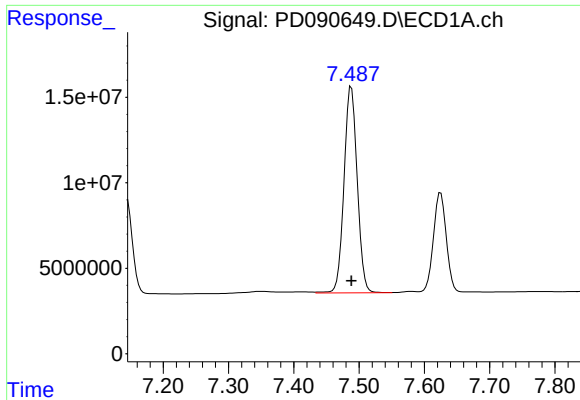
#19 Endosulfan Sulfate

R.T.: 7.144 min  
Delta R.T.: 0.000 min  
Response: 76754913  
Conc: 16.55 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 612147653  
Conc: 17.08 ng/ml



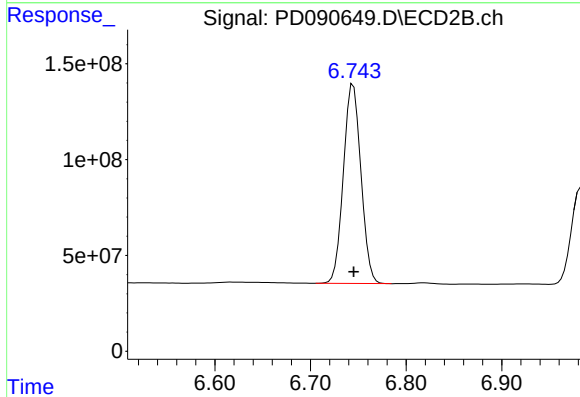
#20 Methoxychlor

R.T.: 7.488 min  
Delta R.T.: 0.000 min  
Response: 169715831  
Conc: 79.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
RESCHK

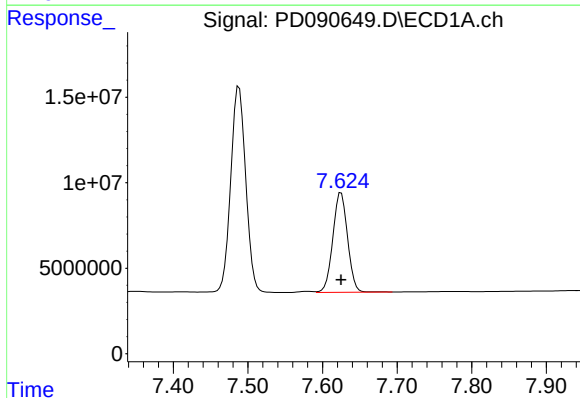
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



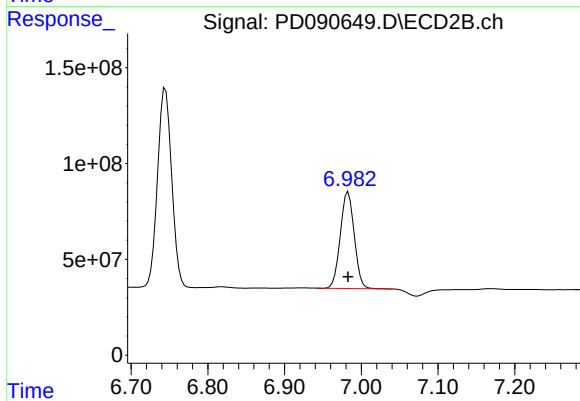
#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 1331648566  
Conc: 76.41 ng/ml



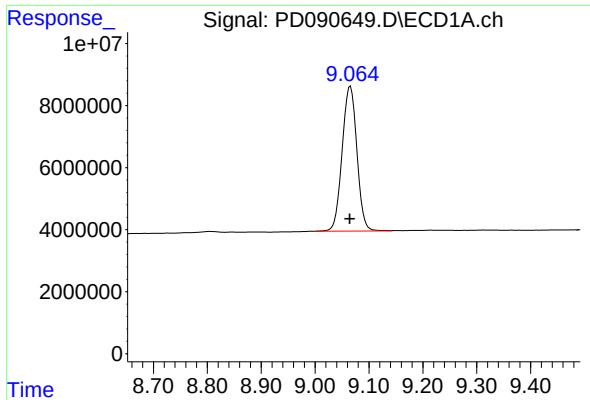
#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 80182457  
Conc: 16.50 ng/ml



#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 638061752  
Conc: 16.92 ng/ml



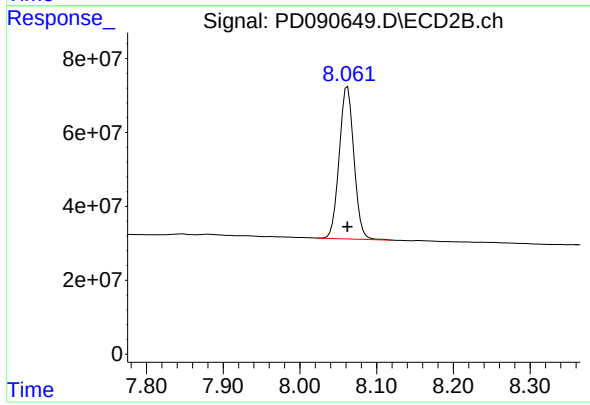
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.001 min  
Response: 88858238  
Conc: 19.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
RESCHK

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 547910430  
Conc: 18.09 ng/ml

## Analytical Sequence

|                                                |                                                                     |
|------------------------------------------------|---------------------------------------------------------------------|
| Client: AECOM                                  | SDG No.: Q3419                                                      |
| Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069. | Instrument ID: ECD_D                                                |
| GC Column: ZB-MR1                              | ID: 0.32 (mm)      Inst. Calib. Date(s): 10/17/2025      10/17/2025 |

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

| CLIENT ID                     | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------------------|------------------|------------------|------------------|------------|-------------|-------------|
| LBLK                          | LBLK             | 10/17/2025       | 10:53            | PD090647.D | 9.07        | 3.55        |
| PSTDICC100                    | PSTDICC100       | 10/17/2025       | 11:34            | PD090650.D | 9.07        | 3.54        |
| PSTDICC075                    | PSTDICC075       | 10/17/2025       | 11:48            | PD090651.D | 9.07        | 3.55        |
| PSTDICC050                    | PSTDICC050       | 10/17/2025       | 12:01            | PD090652.D | 9.06        | 3.55        |
| PSTDICC025                    | PSTDICC025       | 10/17/2025       | 12:15            | PD090653.D | 9.07        | 3.54        |
| PSTDICC005                    | PSTDICC005       | 10/17/2025       | 12:28            | PD090654.D | 9.07        | 3.54        |
| LBLK                          | LBLK             | 10/23/2025       | 09:24            | PD090775.D | 9.07        | 3.54        |
| PEM                           | PEM              | 10/23/2025       | 09:38            | PD090776.D | 9.07        | 3.54        |
| PSTDCCC050                    | PSTDCCC050       | 10/23/2025       | 09:51            | PD090777.D | 9.07        | 3.54        |
| PB170213BL                    | PB170213BL       | 10/23/2025       | 13:16            | PD090778.D | 9.08        | 3.55        |
| PB170213BS                    | PB170213BS       | 10/23/2025       | 13:30            | PD090779.D | 9.07        | 3.54        |
| PR132-S07-000102-20251017MS   | Q3395-03MS       | 10/23/2025       | 14:44            | PD090784.D | 9.07        | 3.54        |
| PR132-S07-000102-20251017MSD  | Q3395-04MSD      | 10/23/2025       | 14:57            | PD090785.D | 9.07        | 3.54        |
| LBLK                          | LBLK             | 10/23/2025       | 15:38            | PD090788.D | 9.07        | 3.54        |
| PSTDCCC050                    | PSTDCCC050       | 10/23/2025       | 15:52            | PD090789.D | 9.07        | 3.54        |
| PR-132-S16-015094-20251021    | Q3419-01         | 10/23/2025       | 16:06            | PD090790.D | 9.07        | 3.54        |
| PR132-S16-119133-20251021     | Q3419-04         | 10/23/2025       | 16:47            | PD090793.D | 9.06        | 3.54        |
| PR132-S16-094119-20251021     | Q3419-05         | 10/23/2025       | 17:00            | PD090794.D | 9.07        | 3.54        |
| LBLK                          | LBLK             | 10/23/2025       | 18:09            | PD090799.D | 9.07        | 3.54        |
| PEM                           | PEM              | 10/23/2025       | 18:22            | PD090800.D | 9.07        | 3.54        |
| PSTDCCC050                    | PSTDCCC050       | 10/23/2025       | 18:36            | PD090801.D | 9.06        | 3.54        |
| LBLK                          | LBLK             | 10/24/2025       | 09:57            | PD090808.D | 9.06        | 3.54        |
| PEM                           | PEM              | 10/24/2025       | 10:10            | PD090809.D | 9.06        | 3.54        |
| PSTDCCC050                    | PSTDCCC050       | 10/24/2025       | 10:24            | PD090810.D | 9.06        | 3.54        |
| PR-132-S16-015094-20251021MS  | Q3419-02MS       | 10/24/2025       | 11:02            | PD090811.D | 9.07        | 3.55        |
| PR-132-S16-015094-20251021MSD | Q3419-03MSD      | 10/24/2025       | 11:16            | PD090812.D | 9.07        | 3.54        |
| LBLK                          | LBLK             | 10/24/2025       | 15:10            | PD090823.D | 9.06        | 3.54        |
| PSTDCCC050                    | PSTDCCC050       | 10/24/2025       | 15:42            | PD090824.D | 9.07        | 3.55        |

## Analytical Sequence

|                                                |                                                                     |
|------------------------------------------------|---------------------------------------------------------------------|
| Client: AECOM                                  | SDG No.: Q3419                                                      |
| Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069. | Instrument ID: ECD_D                                                |
| GC Column: ZB-MR2                              | ID: 0.32 (mm)      Inst. Calib. Date(s): 10/17/2025      10/17/2025 |

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

| CLIENT ID                     | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------------------|------------------|------------------|------------------|------------|-------------|-------------|
| LBLK                          | LBLK             | 10/17/2025       | 10:53            | PD090647.D | 8.06        | 2.88        |
| PSTDICC100                    | PSTDICC100       | 10/17/2025       | 11:34            | PD090650.D | 8.06        | 2.87        |
| PSTDICC075                    | PSTDICC075       | 10/17/2025       | 11:48            | PD090651.D | 8.06        | 2.88        |
| PSTDICC050                    | PSTDICC050       | 10/17/2025       | 12:01            | PD090652.D | 8.06        | 2.88        |
| PSTDICC025                    | PSTDICC025       | 10/17/2025       | 12:15            | PD090653.D | 8.06        | 2.87        |
| PSTDICC005                    | PSTDICC005       | 10/17/2025       | 12:28            | PD090654.D | 8.06        | 2.87        |
| LBLK                          | LBLK             | 10/23/2025       | 09:24            | PD090775.D | 8.06        | 2.87        |
| PEM                           | PEM              | 10/23/2025       | 09:38            | PD090776.D | 8.06        | 2.87        |
| PSTDCCC050                    | PSTDCCC050       | 10/23/2025       | 09:51            | PD090777.D | 8.06        | 2.87        |
| PB170213BL                    | PB170213BL       | 10/23/2025       | 13:16            | PD090778.D | 8.06        | 2.87        |
| PB170213BS                    | PB170213BS       | 10/23/2025       | 13:30            | PD090779.D | 8.06        | 2.87        |
| PR132-S07-000102-20251017MS   | Q3395-03MS       | 10/23/2025       | 14:44            | PD090784.D | 8.06        | 2.87        |
| PR132-S07-000102-20251017MSD  | Q3395-04MSD      | 10/23/2025       | 14:57            | PD090785.D | 8.06        | 2.87        |
| LBLK                          | LBLK             | 10/23/2025       | 15:38            | PD090788.D | 8.06        | 2.87        |
| PSTDCCC050                    | PSTDCCC050       | 10/23/2025       | 15:52            | PD090789.D | 8.06        | 2.87        |
| PR-132-S16-015094-20251021    | Q3419-01         | 10/23/2025       | 16:06            | PD090790.D | 8.06        | 2.87        |
| PR132-S16-119133-20251021     | Q3419-04         | 10/23/2025       | 16:47            | PD090793.D | 8.06        | 2.87        |
| PR132-S16-094119-20251021     | Q3419-05         | 10/23/2025       | 17:00            | PD090794.D | 8.06        | 2.87        |
| LBLK                          | LBLK             | 10/23/2025       | 18:09            | PD090799.D | 8.06        | 2.87        |
| PEM                           | PEM              | 10/23/2025       | 18:22            | PD090800.D | 8.06        | 2.87        |
| PSTDCCC050                    | PSTDCCC050       | 10/23/2025       | 18:36            | PD090801.D | 8.06        | 2.87        |
| LBLK                          | LBLK             | 10/24/2025       | 09:57            | PD090808.D | 8.06        | 2.87        |
| PEM                           | PEM              | 10/24/2025       | 10:10            | PD090809.D | 8.06        | 2.87        |
| PSTDCCC050                    | PSTDCCC050       | 10/24/2025       | 10:24            | PD090810.D | 8.06        | 2.87        |
| PR-132-S16-015094-20251021MS  | Q3419-02MS       | 10/24/2025       | 11:02            | PD090811.D | 8.06        | 2.87        |
| PR-132-S16-015094-20251021MSD | Q3419-03MSD      | 10/24/2025       | 11:16            | PD090812.D | 8.06        | 2.87        |
| LBLK                          | LBLK             | 10/24/2025       | 15:10            | PD090823.D | 8.06        | 2.87        |
| PSTDCCC050                    | PSTDCCC050       | 10/24/2025       | 15:42            | PD090824.D | 8.06        | 2.87        |



**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: PB170213BS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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   | 6.70 | 6.65      | 6.75 | 16.8          | 0    |
|                    | 2   | 5.92 | 5.87      | 5.97 | 16.8          |      |
| 4,4'-DDE           | 1   | 6.19 | 6.14      | 6.24 | 15.1          | 8.3  |
|                    | 2   | 5.36 | 5.31      | 5.41 | 16.4          |      |
| 4,4'-DDT           | 1   | 7.02 | 6.97      | 7.07 | 16.3          | 4.2  |
|                    | 2   | 6.17 | 6.12      | 6.22 | 17.0          |      |
| alpha-BHC          | 1   | 3.99 | 3.94      | 4.04 | 15.4          | 1.9  |
|                    | 2   | 3.38 | 3.33      | 3.43 | 15.7          |      |
| Aldrin             | 1   | 5.26 | 5.21      | 5.31 | 15.4          | 3.2  |
|                    | 2   | 4.36 | 4.31      | 4.41 | 15.9          |      |
| alpha-Chlordane    | 1   | 6.02 | 5.97      | 6.07 | 15.5          | 3.2  |
|                    | 2   | 5.18 | 5.13      | 5.23 | 16.0          |      |
| Endosulfan II      | 1   | 6.78 | 6.73      | 6.83 | 16.2          | 2.4  |
|                    | 2   | 6.07 | 6.02      | 6.12 | 16.6          |      |
| Endosulfan sulfate | 1   | 7.15 | 7.10      | 7.20 | 15.6          | 6.8  |
|                    | 2   | 6.47 | 6.42      | 6.52 | 16.7          |      |
| beta-BHC           | 1   | 4.51 | 4.46      | 4.56 | 15.1          | 3.3  |
|                    | 2   | 4.02 | 3.97      | 4.07 | 15.6          |      |
| delta-BHC          | 1   | 4.76 | 4.71      | 4.81 | 15.6          | 1.9  |
|                    | 2   | 4.25 | 4.20      | 4.30 | 15.9          |      |
| Endosulfan I       | 1   | 6.07 | 6.02      | 6.12 | 15.6          | 3.3  |
|                    | 2   | 5.24 | 5.19      | 5.29 | 15.1          |      |
| Dieldrin           | 1   | 6.34 | 6.29      | 6.39 | 15.7          | 3.8  |
|                    | 2   | 5.50 | 5.45      | 5.55 | 16.3          |      |
| Endrin aldehyde    | 1   | 6.91 | 6.86      | 6.96 | 16.3          | 4.8  |
|                    | 2   | 6.25 | 6.20      | 6.30 | 17.1          |      |
| Methoxychlor       | 1   | 7.49 | 7.44      | 7.54 | 16.0          | 4.9  |
|                    | 2   | 6.74 | 6.69      | 6.79 | 16.8          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PB170213BS**

**Lab Name:** Alliance

**Contract:** AECO02

**Lab Code:** ACE

**SDG NO.:** Q3419

**Lab Sample ID:** PB170213BS

**Date(s) Analyzed:** 10/23/2025 10/23/2025

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

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

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin ketone       | 1   | 7.63 | 7.58      | 7.68 | 16.1          | 8.3  |
|                     | 2   | 6.98 | 6.93      | 7.03 | 17.5          |      |
| gamma-BHC (Lindane) | 1   | 4.32 | 4.27      | 4.37 | 15.2          | 3.2  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 15.7          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 18.2          | 11.6 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 16.2          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 15.9          | 0.6  |
|                     | 2   | 4.86 | 4.81      | 4.91 | 15.8          |      |
| gamma-Chlordane     | 1   | 5.94 | 5.89      | 5.99 | 15.3          | 5.1  |
|                     | 2   | 5.12 | 5.07      | 5.17 | 16.1          |      |
| Endrin              | 1   | 6.57 | 6.52      | 6.62 | 15.5          | 6.3  |
|                     | 2   | 5.78 | 5.73      | 5.83 | 16.5          |      |

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3395-03MS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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   | 6.70 | 6.65      | 6.75 | 34.6          | 15.2 |
|                     | 2   | 5.92 | 5.87      | 5.97 | 29.7          |      |
| 4,4'-DDE            | 1   | 6.19 | 6.14      | 6.24 | 36.6          | 8.8  |
|                     | 2   | 5.37 | 5.32      | 5.42 | 33.5          |      |
| Endosulfan II       | 1   | 6.78 | 6.73      | 6.83 | 31.1          | 0.6  |
|                     | 2   | 6.07 | 6.02      | 6.12 | 30.9          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 33.8          | 9    |
|                     | 2   | 6.17 | 6.12      | 6.22 | 30.9          |      |
| Endrin aldehyde     | 1   | 6.91 | 6.86      | 6.96 | 32.9          | 5.9  |
|                     | 2   | 6.25 | 6.20      | 6.30 | 31.0          |      |
| Endosulfan sulfate  | 1   | 7.14 | 7.09      | 7.19 | 32.5          | 5.4  |
|                     | 2   | 6.47 | 6.42      | 6.52 | 30.8          |      |
| Methoxychlor        | 1   | 7.49 | 7.44      | 7.54 | 33.5          | 4.6  |
|                     | 2   | 6.74 | 6.69      | 6.79 | 32.0          |      |
| Endrin ketone       | 1   | 7.63 | 7.58      | 7.68 | 33.7          | 11   |
|                     | 2   | 6.98 | 6.93      | 7.03 | 30.2          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 31.9          | 10.6 |
|                     | 2   | 3.39 | 3.34      | 3.44 | 28.7          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 31.9          | 8.8  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 29.2          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 38.0          | 17.5 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 31.9          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 32.6          | 9.3  |
|                     | 2   | 4.36 | 4.31      | 4.41 | 29.7          |      |
| beta-BHC            | 1   | 4.51 | 4.46      | 4.56 | 27.9          | 3.5  |
|                     | 2   | 4.02 | 3.97      | 4.07 | 28.9          |      |
| delta-BHC           | 1   | 4.76 | 4.71      | 4.81 | 32.6          | 6.7  |
|                     | 2   | 4.25 | 4.20      | 4.30 | 30.5          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PR132-S07-000102-20251017MS**

**Lab Name:** Alliance

**Contract:** AECO02

**Lab Code:** ACE

**SDG NO.:** Q3419

**Lab Sample ID:** Q3395-03MS

**Date(s) Analyzed:** 10/23/2025 10/23/2025

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

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

**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   | 5.68 | 5.63      | 5.73 | 33.3          | 6.5  |
|                    | 2   | 4.86 | 4.81      | 4.91 | 31.2          |      |
| Endosulfan I       | 1   | 6.07 | 6.02      | 6.12 | 32.6          | 19.9 |
|                    | 2   | 5.24 | 5.19      | 5.29 | 26.7          |      |
| gamma-Chlordane    | 1   | 5.94 | 5.89      | 5.99 | 30.8          | 2.6  |
|                    | 2   | 5.11 | 5.06      | 5.16 | 31.6          |      |
| alpha-Chlordane    | 1   | 6.02 | 5.97      | 6.07 | 36.2          | 15.5 |
|                    | 2   | 5.18 | 5.13      | 5.23 | 31.0          |      |
| Dieldrin           | 1   | 6.34 | 6.29      | 6.39 | 32.7          | 4.1  |
|                    | 2   | 5.50 | 5.45      | 5.55 | 31.4          |      |
| Endrin             | 1   | 6.57 | 6.52      | 6.62 | 32.6          | 9.3  |
|                    | 2   | 5.78 | 5.73      | 5.83 | 29.7          |      |

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3395-04MSD

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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   | 6.70 | 6.65      | 6.75 | 34.4          | 15.3 |
|                    | 2   | 5.92 | 5.87      | 5.97 | 29.5          |      |
| 4,4'-DDT           | 1   | 7.02 | 6.97      | 7.07 | 34.0          | 9.9  |
|                    | 2   | 6.17 | 6.12      | 6.22 | 30.8          |      |
| alpha-BHC          | 1   | 3.99 | 3.94      | 4.04 | 31.9          | 10.9 |
|                    | 2   | 3.39 | 3.34      | 3.44 | 28.6          |      |
| Aldrin             | 1   | 5.26 | 5.21      | 5.31 | 32.6          | 9.3  |
|                    | 2   | 4.36 | 4.31      | 4.41 | 29.7          |      |
| beta-BHC           | 1   | 4.51 | 4.46      | 4.56 | 26.3          | 9.4  |
|                    | 2   | 4.02 | 3.97      | 4.07 | 28.9          |      |
| delta-BHC          | 1   | 4.76 | 4.71      | 4.81 | 32.6          | 7.3  |
|                    | 2   | 4.26 | 4.21      | 4.31 | 30.3          |      |
| Endosulfan I       | 1   | 6.07 | 6.02      | 6.12 | 31.9          | 18.5 |
|                    | 2   | 5.24 | 5.19      | 5.29 | 26.5          |      |
| alpha-Chlordane    | 1   | 6.02 | 5.97      | 6.07 | 31.4          | 1.9  |
|                    | 2   | 5.18 | 5.13      | 5.23 | 30.8          |      |
| 4,4'-DDE           | 1   | 6.19 | 6.14      | 6.24 | 37.2          | 10.8 |
|                    | 2   | 5.37 | 5.32      | 5.42 | 33.4          |      |
| Dieldrin           | 1   | 6.34 | 6.29      | 6.39 | 32.9          | 4.7  |
|                    | 2   | 5.50 | 5.45      | 5.55 | 31.4          |      |
| Endosulfan II      | 1   | 6.78 | 6.73      | 6.83 | 31.5          | 1.3  |
|                    | 2   | 6.07 | 6.02      | 6.12 | 31.1          |      |
| Endrin aldehyde    | 1   | 6.91 | 6.86      | 6.96 | 32.8          | 6.3  |
|                    | 2   | 6.25 | 6.20      | 6.30 | 30.8          |      |
| Endosulfan sulfate | 1   | 7.15 | 7.10      | 7.20 | 32.5          | 6    |
|                    | 2   | 6.47 | 6.42      | 6.52 | 30.6          |      |
| Methoxychlor       | 1   | 7.49 | 7.44      | 7.54 | 33.2          | 2.1  |
|                    | 2   | 6.74 | 6.69      | 6.79 | 32.5          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PR132-S07-000102-20251017MSI**

**Lab Name:** Alliance

**Contract:** AECO02

**Lab Code:** ACE

**SDG NO.:** Q3419

**Lab Sample ID:** Q3395-04MSD

**Date(s) Analyzed:** 10/23/2025 10/23/2025

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

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

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin ketone       | 1   | 7.63 | 7.58      | 7.68 | 34.1          | 13.1 |
|                     | 2   | 6.98 | 6.93      | 7.03 | 29.9          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 31.9          | 9.2  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 29.1          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 38.1          | 17.4 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 32.0          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 32.4          | 5.4  |
|                     | 2   | 4.86 | 4.81      | 4.91 | 30.7          |      |
| gamma-Chlordane     | 1   | 5.94 | 5.89      | 5.99 | 31.0          | 1    |
|                     | 2   | 5.12 | 5.07      | 5.17 | 31.3          |      |
| Endrin              | 1   | 6.57 | 6.52      | 6.62 | 32.1          | 9.8  |
|                     | 2   | 5.78 | 5.73      | 5.83 | 29.1          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-01

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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'-DDE | 1   | 6.19 | 6.14      | 6.24 | 0.62          | 64.9 |
|          | 2   | 5.37 | 5.32      | 5.42 | 0.32          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-02MS

Date(s) Analyzed: 10/24/2025 10/24/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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 | 27.8          | 11.8 |
|                     | 2   | 5.92 | 5.87      | 5.97 | 24.7          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 26.4          | 3.5  |
|                     | 2   | 6.17 | 6.12      | 6.22 | 25.5          |      |
| alpha-BHC           | 1   | 4.00 | 3.95      | 4.05 | 24.4          | 8.5  |
|                     | 2   | 3.39 | 3.34      | 3.44 | 22.4          |      |
| Aldrin              | 1   | 5.27 | 5.22      | 5.32 | 27.2          | 7.2  |
|                     | 2   | 4.36 | 4.31      | 4.41 | 25.3          |      |
| beta-BHC            | 1   | 4.52 | 4.47      | 4.57 | 25.4          | 0.8  |
|                     | 2   | 4.02 | 3.97      | 4.07 | 25.6          |      |
| alpha-Chlordane     | 1   | 6.03 | 5.98      | 6.08 | 26.4          | 2.3  |
|                     | 2   | 5.18 | 5.13      | 5.23 | 25.8          |      |
| 4,4'-DDE            | 1   | 6.20 | 6.15      | 6.25 | 27.4          | 5.2  |
|                     | 2   | 5.37 | 5.32      | 5.42 | 26.0          |      |
| Endosulfan II       | 1   | 6.79 | 6.74      | 6.84 | 26.6          | 0.8  |
|                     | 2   | 6.07 | 6.02      | 6.12 | 26.4          |      |
| Endrin aldehyde     | 1   | 6.92 | 6.87      | 6.97 | 20.6          | 5.5  |
|                     | 2   | 6.25 | 6.20      | 6.30 | 19.5          |      |
| Endosulfan sulfate  | 1   | 7.15 | 7.10      | 7.20 | 17.5          | 2.3  |
|                     | 2   | 6.47 | 6.42      | 6.52 | 17.1          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 25.9          | 1.6  |
|                     | 2   | 6.74 | 6.69      | 6.79 | 25.5          |      |
| Endrin ketone       | 1   | 7.63 | 7.58      | 7.68 | 27.7          | 0.4  |
|                     | 2   | 6.98 | 6.93      | 7.03 | 27.6          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 20.0          | 3.6  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 19.3          |      |
| Heptachlor          | 1   | 4.93 | 4.88      | 4.98 | 30.9          | 16.8 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 26.1          |      |



**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PR-132-S16-015094-20251021MS**

**Lab Name:** Alliance

**Contract:** AECO02

**Lab Code:** ACE

**SDG NO.:** Q3419

**Lab Sample ID:** Q3419-02MS

**Date(s) Analyzed:** 10/24/2025 10/24/2025

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

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

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| delta-BHC          | 1   | 4.77 | 4.72      | 4.82 | 19.1          | 0.5  |
|                    | 2   | 4.25 | 4.20      | 4.30 | 19.0          |      |
| Heptachlor epoxide | 1   | 5.69 | 5.64      | 5.74 | 27.3          | 7.2  |
|                    | 2   | 4.86 | 4.81      | 4.91 | 25.4          |      |
| Endosulfan I       | 1   | 6.08 | 6.03      | 6.13 | 26.9          | 11   |
|                    | 2   | 5.24 | 5.19      | 5.29 | 24.1          |      |
| gamma-Chlordane    | 1   | 5.95 | 5.90      | 6.00 | 27.4          | 3    |
|                    | 2   | 5.12 | 5.07      | 5.17 | 26.6          |      |
| Dieldrin           | 1   | 6.35 | 6.30      | 6.40 | 27.8          | 5.5  |
|                    | 2   | 5.50 | 5.45      | 5.55 | 26.3          |      |
| Endrin             | 1   | 6.58 | 6.53      | 6.63 | 26.6          | 10.3 |
|                    | 2   | 5.78 | 5.73      | 5.83 | 24.0          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-03MSD

Date(s) Analyzed: 10/24/2025 10/24/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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   | 6.70 | 6.65      | 6.75 | 27.8          | 11.8 |
|                    | 2   | 5.92 | 5.87      | 5.97 | 24.7          |      |
| 4,4'-DDT           | 1   | 7.02 | 6.97      | 7.07 | 26.1          | 1.9  |
|                    | 2   | 6.17 | 6.12      | 6.22 | 25.6          |      |
| Endrin aldehyde    | 1   | 6.91 | 6.86      | 6.96 | 20.5          | 4.5  |
|                    | 2   | 6.25 | 6.20      | 6.30 | 19.6          |      |
| Endosulfan sulfate | 1   | 7.15 | 7.10      | 7.20 | 17.2          | 1.2  |
|                    | 2   | 6.47 | 6.42      | 6.52 | 17.0          |      |
| alpha-BHC          | 1   | 4.00 | 3.95      | 4.05 | 23.8          | 6.1  |
|                    | 2   | 3.38 | 3.33      | 3.43 | 22.4          |      |
| Aldrin             | 1   | 5.27 | 5.22      | 5.32 | 27.2          | 5.7  |
|                    | 2   | 4.36 | 4.31      | 4.41 | 25.7          |      |
| beta-BHC           | 1   | 4.51 | 4.46      | 4.56 | 25.5          | 0    |
|                    | 2   | 4.02 | 3.97      | 4.07 | 25.5          |      |
| delta-BHC          | 1   | 4.76 | 4.71      | 4.81 | 19.1          | 1.1  |
|                    | 2   | 4.25 | 4.20      | 4.30 | 18.9          |      |
| Endosulfan I       | 1   | 6.07 | 6.02      | 6.12 | 27.3          | 17.5 |
|                    | 2   | 5.24 | 5.19      | 5.29 | 22.9          |      |
| alpha-Chlordane    | 1   | 6.02 | 5.97      | 6.07 | 29.1          | 11.6 |
|                    | 2   | 5.18 | 5.13      | 5.23 | 25.9          |      |
| 4,4'-DDE           | 1   | 6.19 | 6.14      | 6.24 | 27.1          | 2.2  |
|                    | 2   | 5.36 | 5.31      | 5.41 | 26.5          |      |
| Dieldrin           | 1   | 6.34 | 6.29      | 6.39 | 27.7          | 4.4  |
|                    | 2   | 5.50 | 5.45      | 5.55 | 26.5          |      |
| Endrin             | 1   | 6.57 | 6.52      | 6.62 | 26.7          | 8.6  |
|                    | 2   | 5.78 | 5.73      | 5.83 | 24.5          |      |
| Methoxychlor       | 1   | 7.49 | 7.44      | 7.54 | 25.9          | 0    |
|                    | 2   | 6.74 | 6.69      | 6.79 | 25.9          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PR-132-S16-015094-20251021MS**

**Lab Name:** Alliance

**Contract:** AECO02

**Lab Code:** ACE

**SDG NO.:** Q3419

**Lab Sample ID:** Q3419-03MSD

**Date(s) Analyzed:** 10/24/2025 10/24/2025

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

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

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin ketone       | 1   | 7.63 | 7.58      | 7.68 | 27.5          | 0    |
|                     | 2   | 6.98 | 6.93      | 7.03 | 27.5          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 19.6          | 2.1  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 19.2          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 30.6          | 15.1 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 26.3          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 28.9          | 11.3 |
|                     | 2   | 4.86 | 4.81      | 4.91 | 25.8          |      |
| gamma-Chlordane     | 1   | 5.94 | 5.89      | 5.99 | 27.4          | 2.6  |
|                     | 2   | 5.11 | 5.06      | 5.16 | 26.7          |      |
| Endosulfan II       | 1   | 6.78 | 6.73      | 6.83 | 26.8          | 1.1  |
|                     | 2   | 6.07 | 6.02      | 6.12 | 26.5          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S16-094119-20251021

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-05

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

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'-DDE | 1   | 6.19 | 6.14      | 6.24 | 3.60          | 25    |
|          | 2   | 5.36 | 5.31      | 5.41 | 2.80          |       |
| Dieldrin | 1   | 6.34 | 6.29      | 6.39 | 0.45          | 137.2 |
|          | 2   | 5.50 | 5.45      | 5.55 | 2.40          |       |



# QC SAMPLE DATA



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  |               |
| Client Sample ID:  | PB170213BL                                       |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | PB170213BL                                       |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 100           |
| Sample Wt/Vol:     | 30.02 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          | Prep Date: 10/23/25 |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 1.70  | U    | 1  | 0.13     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 319-85-7          | beta-BHC             | 1.70  | U    | 1  | 0.18     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 319-86-8          | delta-BHC            | 1.70  | U    | 1  | 0.39     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 1.70  | U    | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 76-44-8           | Heptachlor           | 1.70  | U    | 1  | 0.12     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 309-00-2          | Aldrin               | 1.70  | U    | 1  | 0.12     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 1.70  | U    | 1  | 0.19     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 959-98-8          | Endosulfan I         | 1.70  | U    | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 60-57-1           | Dieldrin             | 1.70  | U    | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 72-55-9           | 4,4-DDE              | 1.70  | U    | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 72-20-8           | Endrin               | 1.70  | U    | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 33213-65-9        | Endosulfan II        | 1.70  | U    | 1  | 0.29     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 72-54-8           | 4,4-DDD              | 1.70  | U    | 1  | 0.15     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 1.70  | U    | 1  | 0.13     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 50-29-3           | 4,4-DDT              | 1.70  | U    | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 72-43-5           | Methoxychlor         | 1.70  | U    | 1  | 0.37     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 53494-70-5        | Endrin ketone        | 1.70  | U    | 1  | 0.19     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 1.70  | U    | 1  | 0.37     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 1.70  | U    | 1  | 0.12     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 1.70  | U    | 1  | 0.15     | 1.70       | ug/kg   | 10/23/25 13:16 | PB170213 |
| 8001-35-2         | Toxaphene            | 33.0  | U    | 1  | 5.40     | 33.0       | ug/kg   | 10/23/25 13:16 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 23.8  |      |    | 20 - 144 | 119%       | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 20.1  |      |    | 19 - 148 | 101%       | SPK: 20 |                |          |

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\_D\Data\PD102325\  
Data File : PD090778.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 13:16  
Operator : AR\AJ  
Sample : PB170213BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:12:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.552 | 2.873 | 58342131 | 598.6E6 | 18.734 | 20.102 |
| 28)                         | SA Decachlor... | 9.077 | 8.063 | 96681183 | 720.7E6 | 20.667 | 23.791 |

Target Compounds

-----

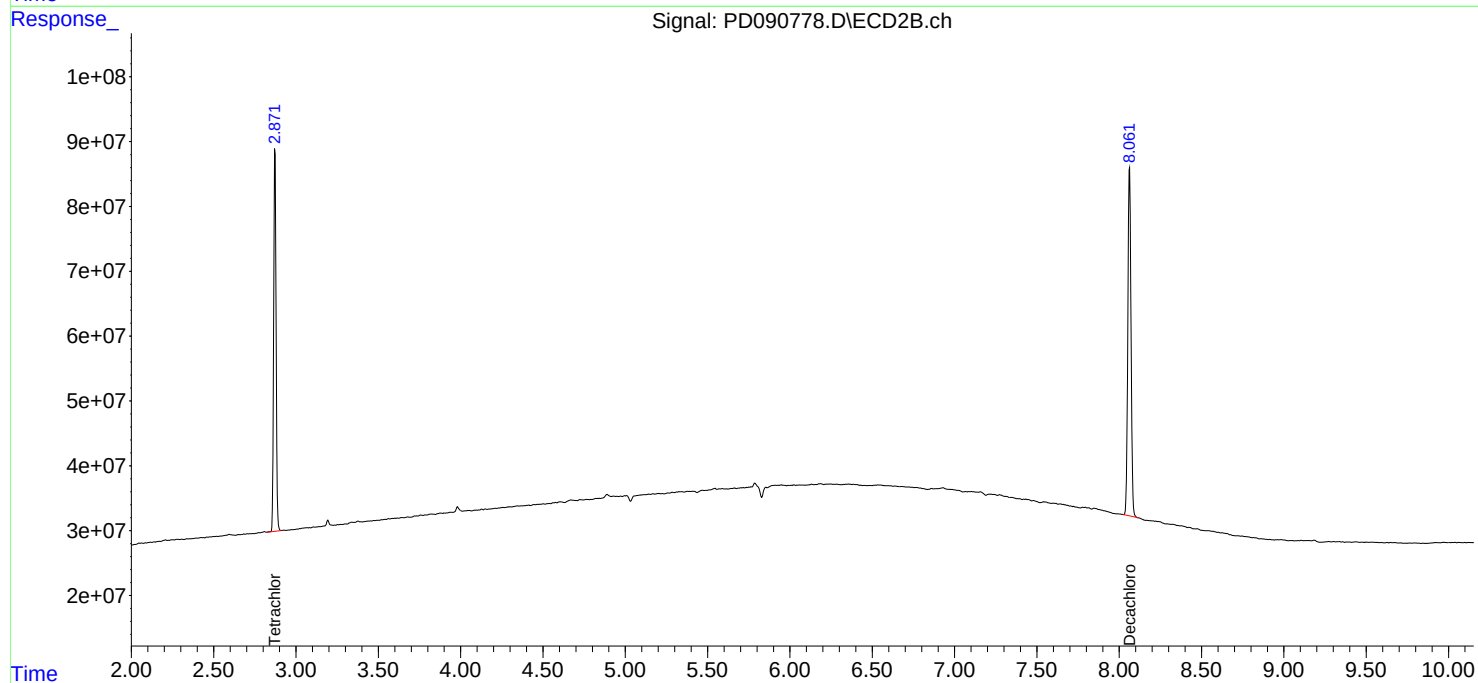
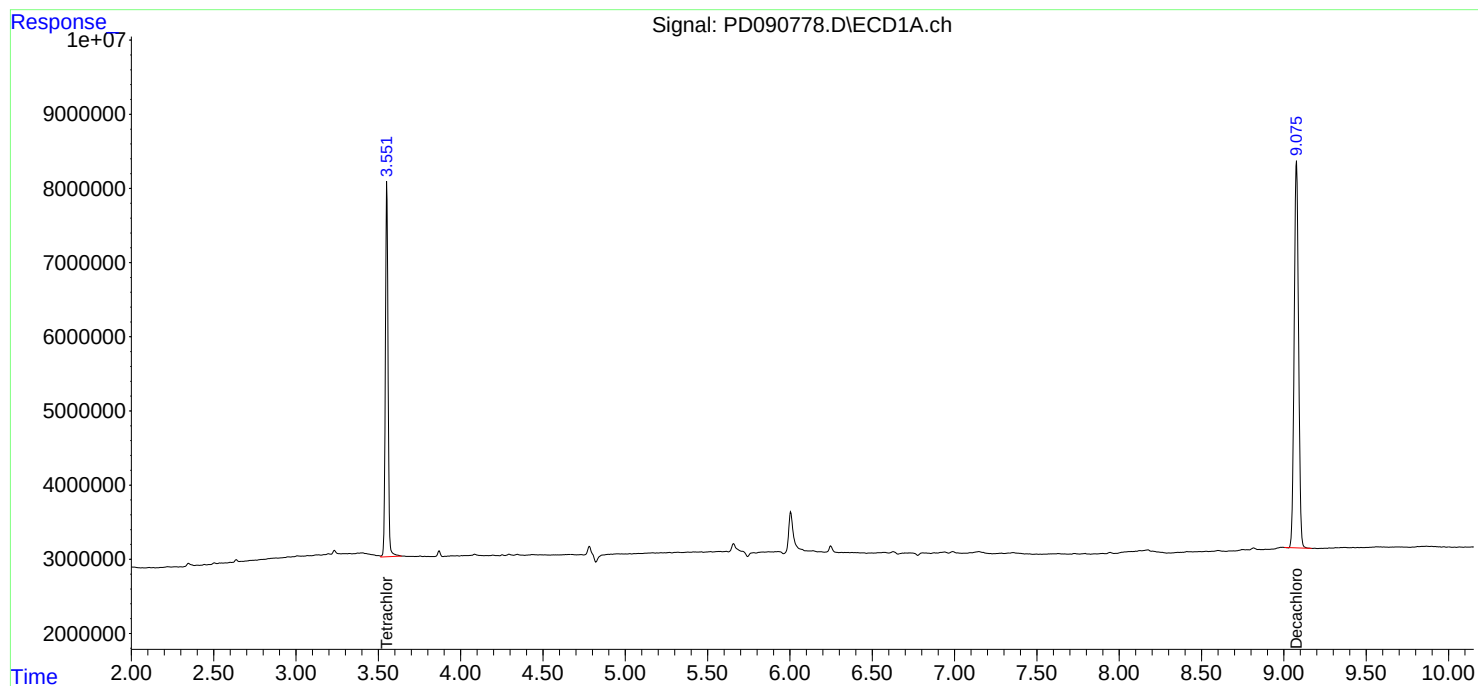
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090778.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 13:16  
Operator : AR\AJ  
Sample : PB170213BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

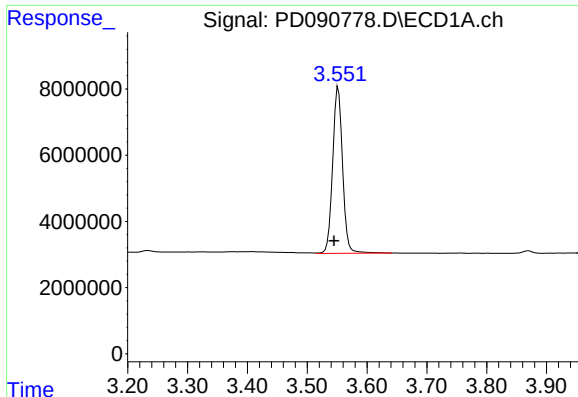
Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:12:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm



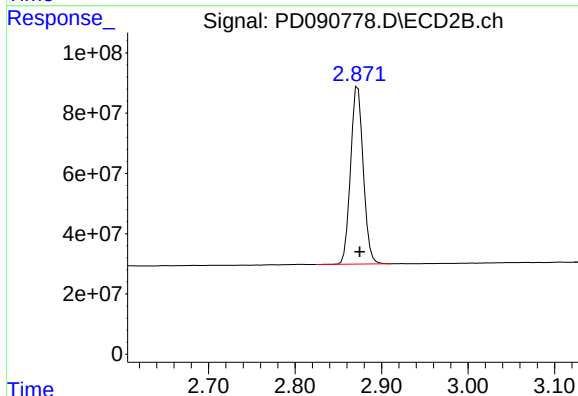




#1 Tetrachloro-m-xylene

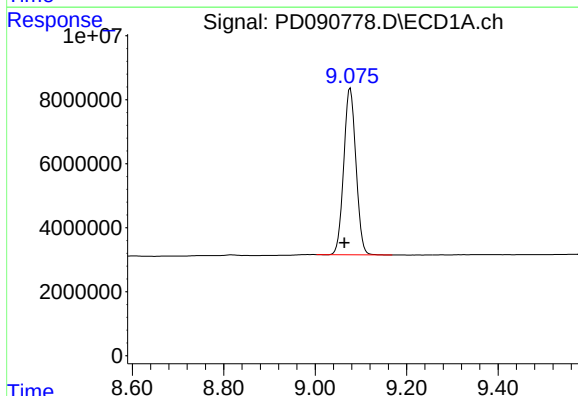
R.T.: 3.552 min  
Delta R.T.: 0.007 min  
Response: 58342131  
Conc: 18.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BL



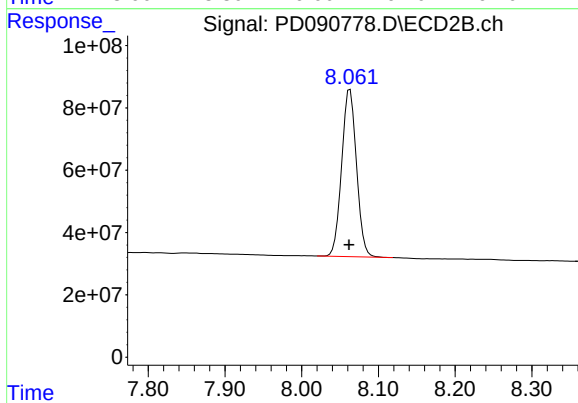
#1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.002 min  
Response: 598575169  
Conc: 20.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min  
Delta R.T.: 0.013 min  
Response: 96681183  
Conc: 20.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min  
Delta R.T.: 0.001 min  
Response: 720654772  
Conc: 23.79 ng/ml



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Fax : 908 789 8922

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/17/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/17/25      |
| Client Sample ID:  | PIBLK-PD090647.D                                 |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | I.BLK-PD090647.D                                 |                     | Matrix:         | WATER         |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | 3510C                                            | Prep Date:          |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 319-85-7          | beta-BHC             | 0.050 | U    | 1  | 0.0049   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 319-86-8          | delta-BHC            | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 76-44-8           | Heptachlor           | 0.050 | U    | 1  | 0.0027   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 309-00-2          | Aldrin               | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U    | 1  | 0.0096   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 959-98-8          | Endosulfan I         | 0.050 | U    | 1  | 0.0031   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 60-57-1           | Dieldrin             | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-55-9           | 4,4-DDE              | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-20-8           | Endrin               | 0.050 | U    | 1  | 0.0032   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 33213-65-9        | Endosulfan II        | 0.050 | U    | 1  | 0.0079   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-54-8           | 4,4-DDD              | 0.050 | U    | 1  | 0.0071   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 50-29-3           | 4,4-DDT              | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-43-5           | Methoxychlor         | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 53494-70-5        | Endrin ketone        | 0.050 | U    | 1  | 0.0093   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 8001-35-2         | Toxaphene            | 1.00  | U    | 1  | 0.17     | 1.00       | ug/L    | 10/17/25  | pd101725 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 21.3  |      |    | 31 - 149 | 106%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 20.0  |      |    | 41 - 134 | 100%       | SPK: 20 |           |          |

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\_D\Data\PD101725\  
Data File : PD090647.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 10:53  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:03:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.545 | 2.875 | 60526543 | 594.5E6 | 19.436 | 19.964 |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 99514776 | 616.2E6 | 21.273 | 20.342 |

Target Compounds

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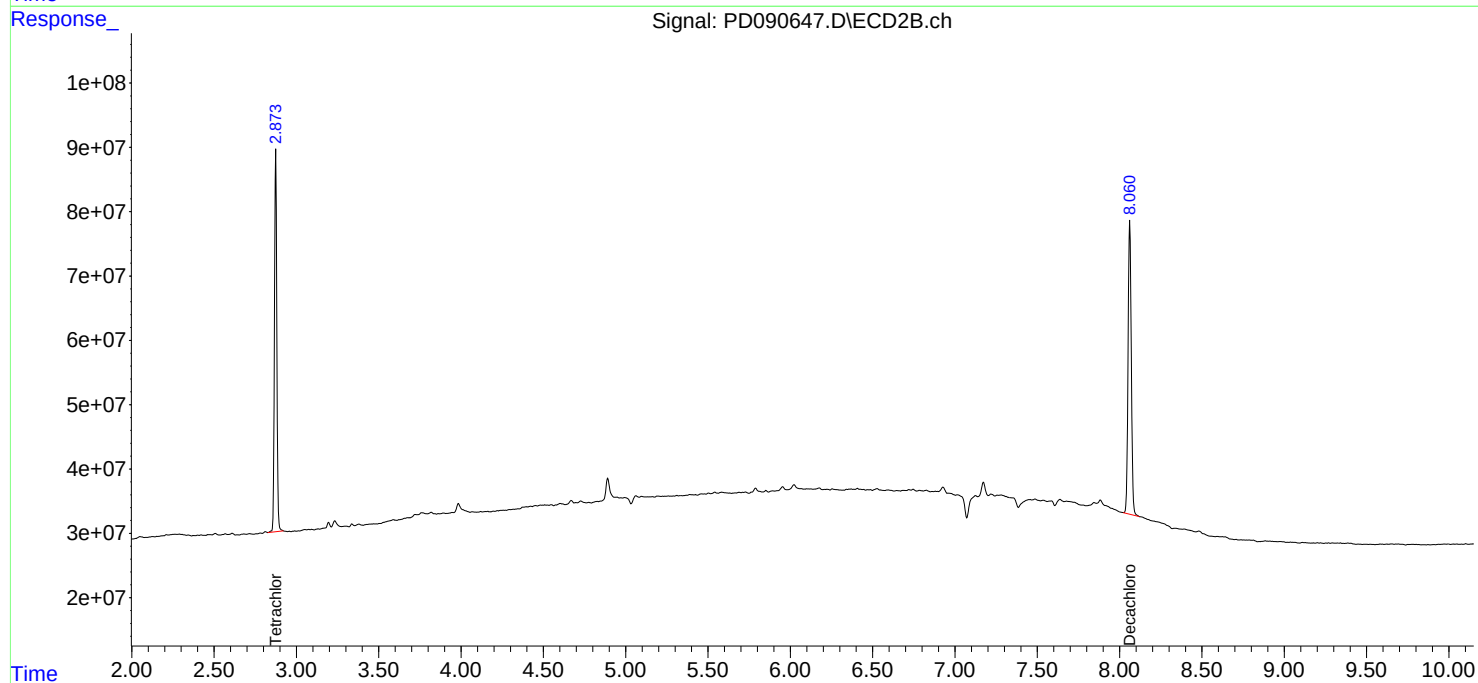
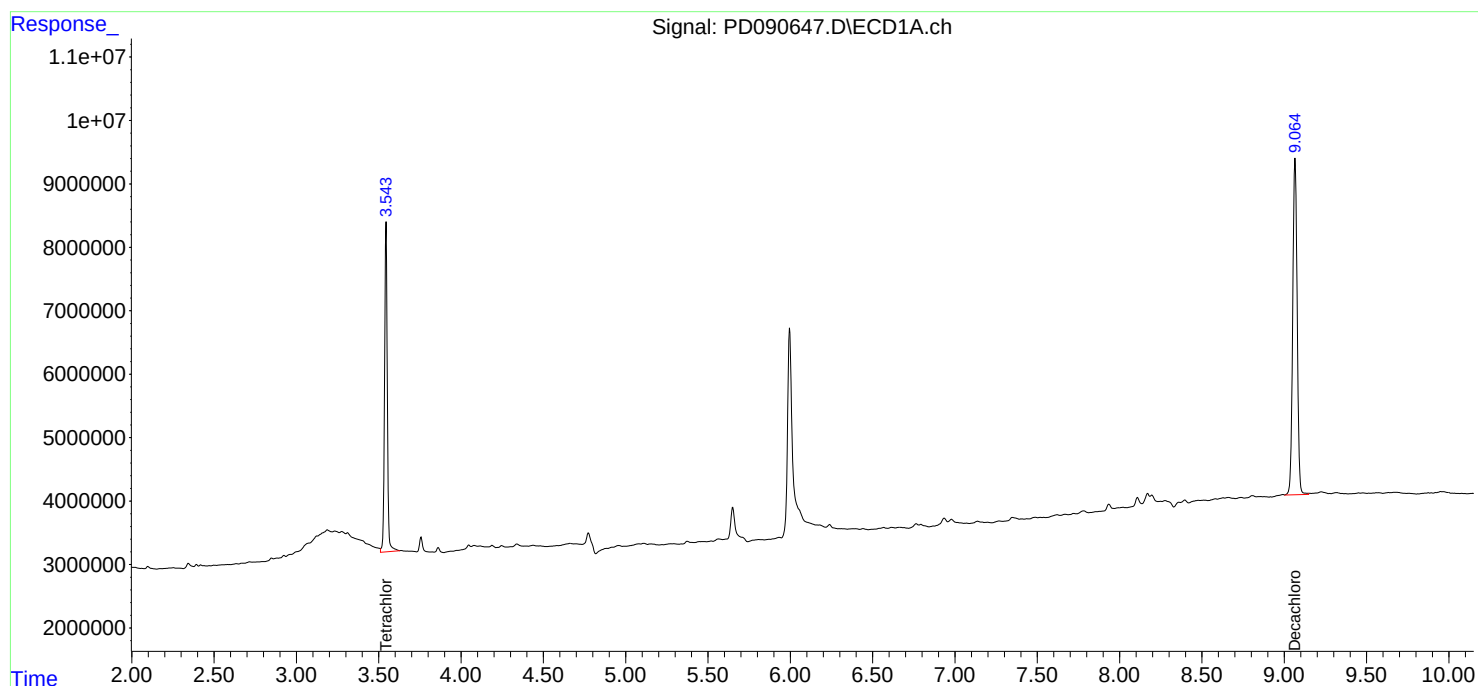
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

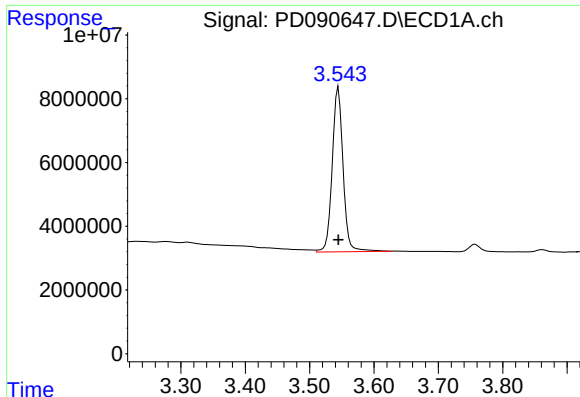
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090647.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 10:53  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:03:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 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 x 0.25µm

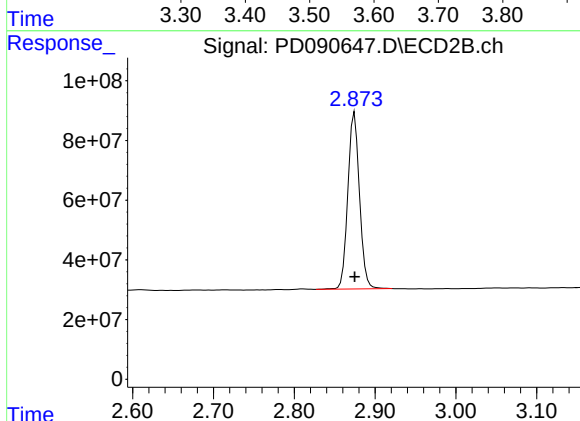




## #1 Tetrachloro-m-xylene

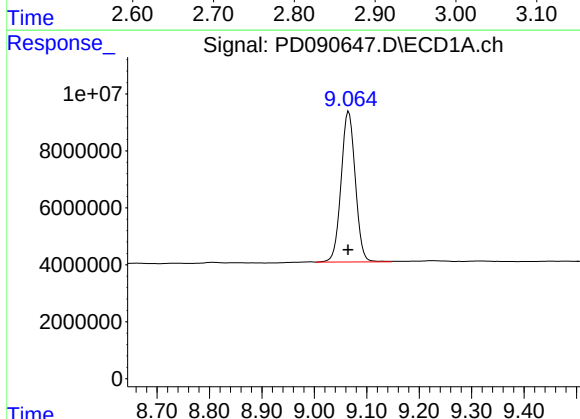
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 60526543  
Conc: 19.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



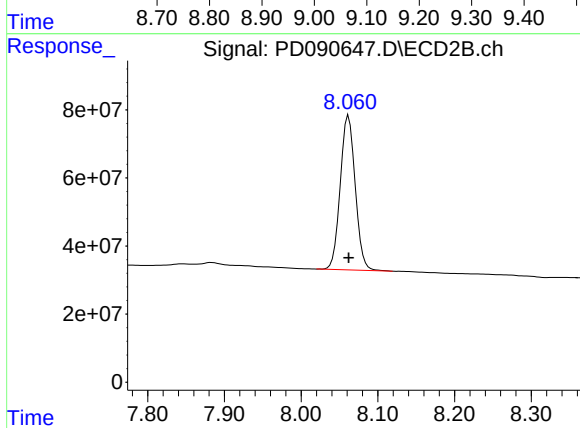
## #1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 594475365  
Conc: 19.96 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 99514776  
Conc: 21.27 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 616188932  
Conc: 20.34 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/23/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/23/25      |
| Client Sample ID:  | PIBLK-PD090775.D                                 |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | I.BLK-PD090775.D                                 |                     | Matrix:         | WATER         |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | 3510C                                            | Prep Date:          |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 319-85-7          | beta-BHC             | 0.050 | U    | 1  | 0.0049   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 319-86-8          | delta-BHC            | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 76-44-8           | Heptachlor           | 0.050 | U    | 1  | 0.0027   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 309-00-2          | Aldrin               | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U    | 1  | 0.0096   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 959-98-8          | Endosulfan I         | 0.050 | U    | 1  | 0.0031   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 60-57-1           | Dieldrin             | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-55-9           | 4,4-DDE              | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-20-8           | Endrin               | 0.050 | U    | 1  | 0.0032   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 33213-65-9        | Endosulfan II        | 0.050 | U    | 1  | 0.0079   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-54-8           | 4,4-DDD              | 0.050 | U    | 1  | 0.0071   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 50-29-3           | 4,4-DDT              | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-43-5           | Methoxychlor         | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 53494-70-5        | Endrin ketone        | 0.050 | U    | 1  | 0.0093   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 8001-35-2         | Toxaphene            | 1.00  | U    | 1  | 0.17     | 1.00       | ug/L    | 10/23/25  | Pd102325 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 24.9  |      |    | 57 - 171 | 124%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 21.1  |      |    | 61 - 148 | 106%       | SPK: 20 |           |          |

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\_D\Data\PD102325\  
Data File : PD090775.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 09:24  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:11:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 63181414 | 629.7E6 | 20.288 | 21.148 |
| 28)                         | SA Decachlor... | 9.066 | 8.061 | 101.6E6  | 753.4E6 | 21.711 | 24.872 |

Target Compounds

-----

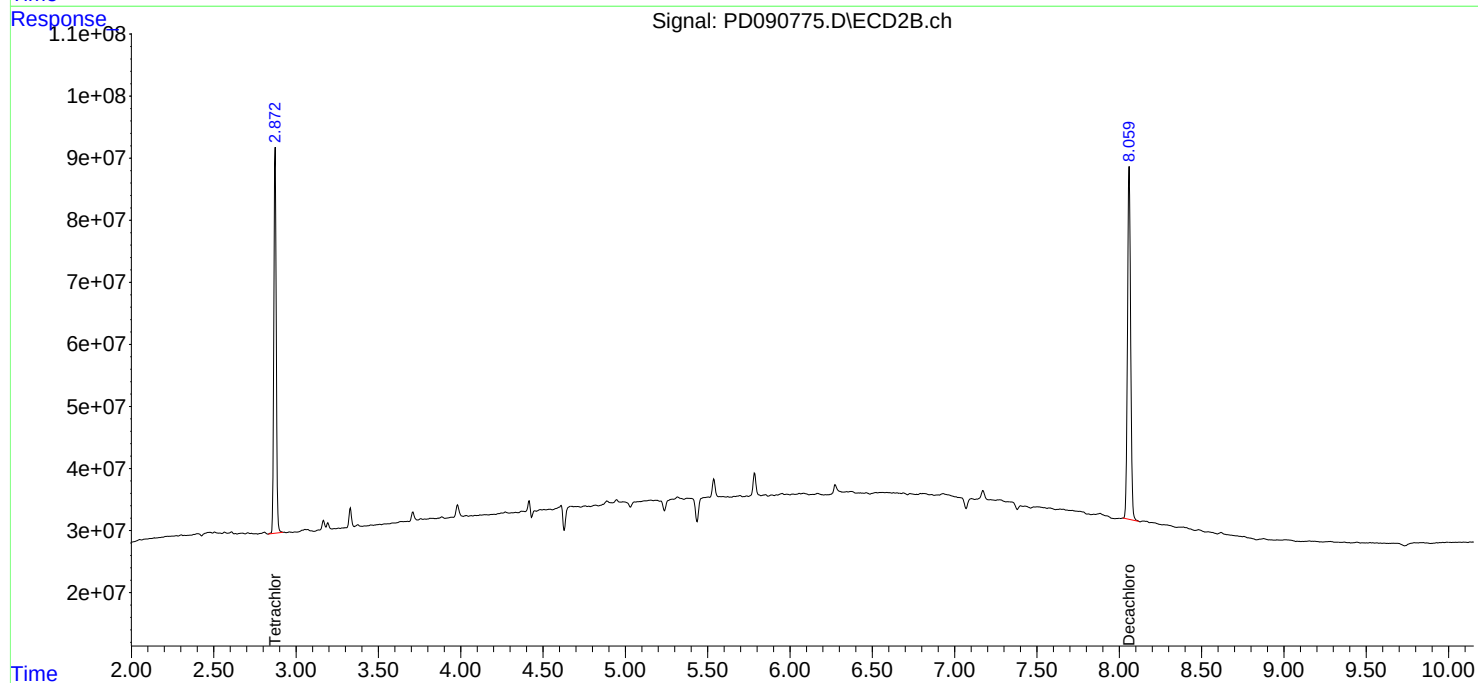
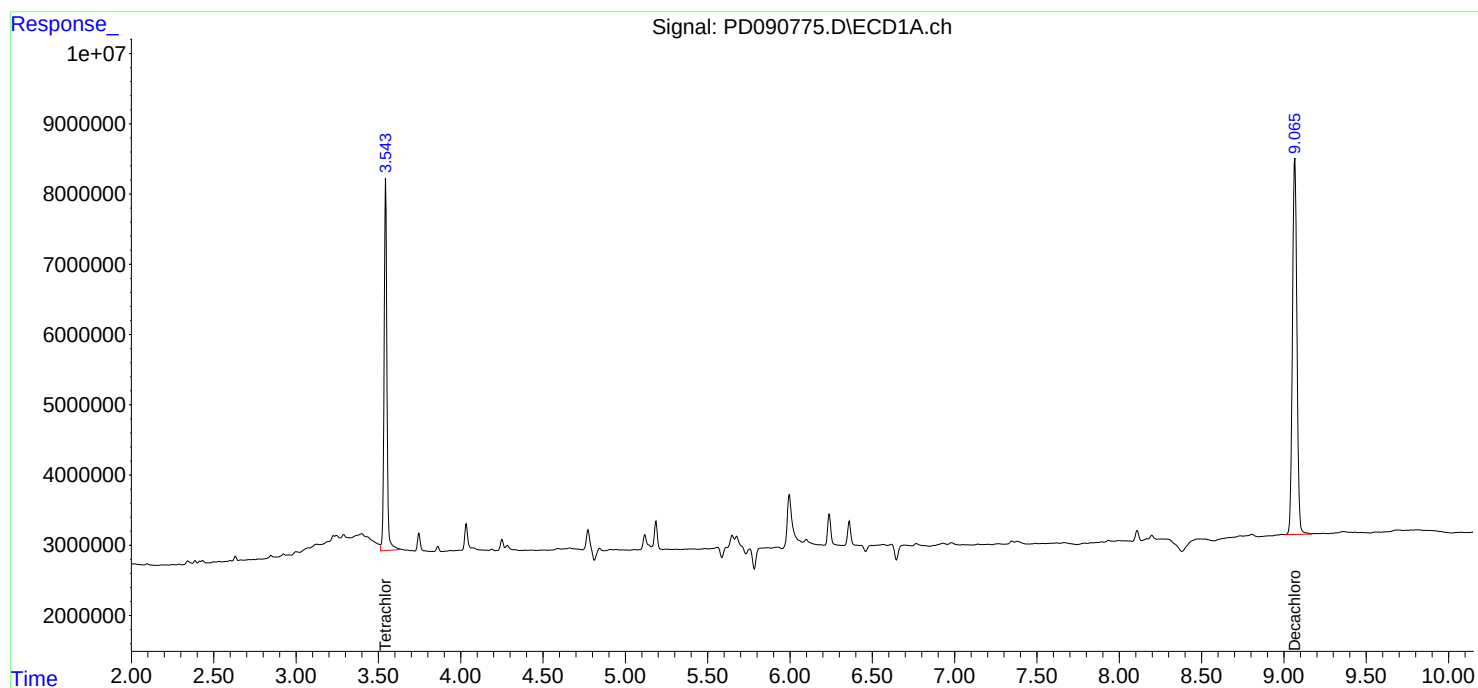
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090775.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 09:24  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

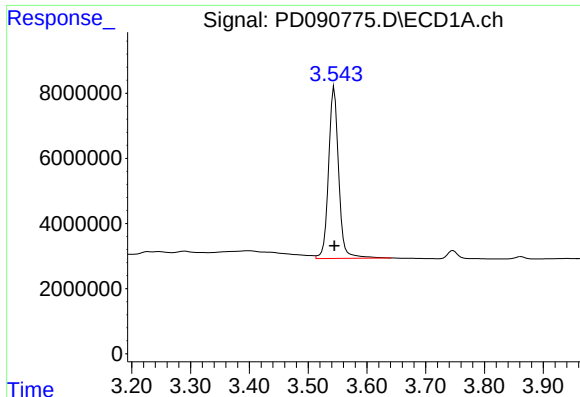
Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:11:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm



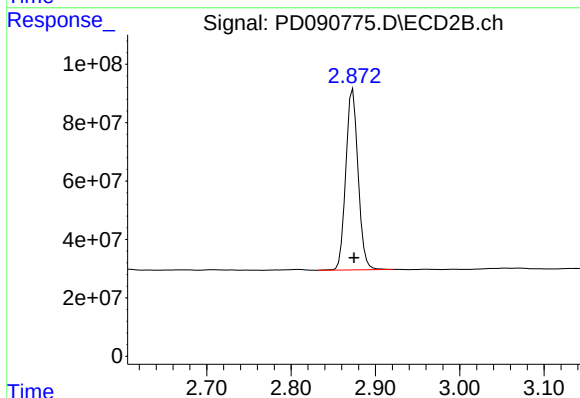




## #1 Tetrachloro-m-xylene

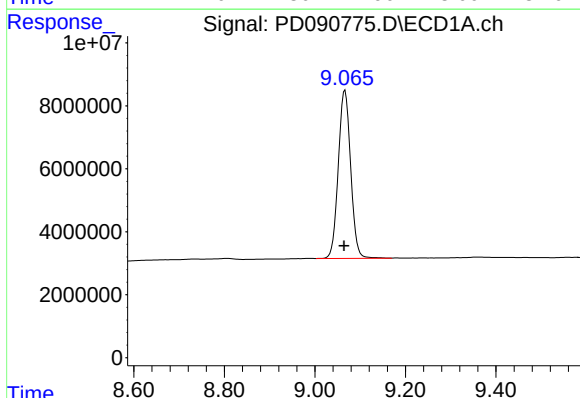
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 63181414  
Conc: 20.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



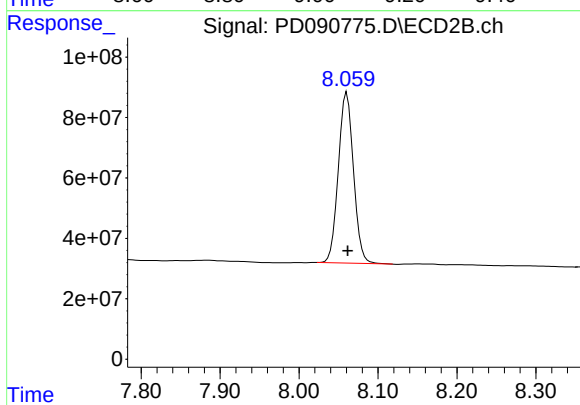
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 629736816  
Conc: 21.15 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 101565237  
Conc: 21.71 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: -0.001 min  
Response: 753407959  
Conc: 24.87 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/23/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/23/25      |
| Client Sample ID:  | PIBLK-PD090788.D                                 |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | I.BLK-PD090788.D                                 |                     | Matrix:         | WATER         |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | 3510C                                            | Prep Date:          |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 319-85-7          | beta-BHC             | 0.050 | U    | 1  | 0.0049   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 319-86-8          | delta-BHC            | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 76-44-8           | Heptachlor           | 0.050 | U    | 1  | 0.0027   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 309-00-2          | Aldrin               | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U    | 1  | 0.0096   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 959-98-8          | Endosulfan I         | 0.050 | U    | 1  | 0.0031   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 60-57-1           | Dieldrin             | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-55-9           | 4,4-DDE              | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-20-8           | Endrin               | 0.050 | U    | 1  | 0.0032   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 33213-65-9        | Endosulfan II        | 0.050 | U    | 1  | 0.0079   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-54-8           | 4,4-DDD              | 0.050 | U    | 1  | 0.0071   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 50-29-3           | 4,4-DDT              | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-43-5           | Methoxychlor         | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 53494-70-5        | Endrin ketone        | 0.050 | U    | 1  | 0.0093   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 8001-35-2         | Toxaphene            | 1.00  | U    | 1  | 0.17     | 1.00       | ug/L    | 10/23/25  | Pd102325 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 23.5  |      |    | 57 - 171 | 117%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 20.8  |      |    | 61 - 148 | 104%       | SPK: 20 |           |          |

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\_D\Data\PD102325\  
 Data File : PD090788.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 15:38  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:15:12 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 62243044 | 618.6E6 | 19.987 | 20.774 |
| 28)                         | SA Decachlor... | 9.066 | 8.060 | 97868417 | 711.5E6 | 20.921 | 23.489 |

Target Compounds

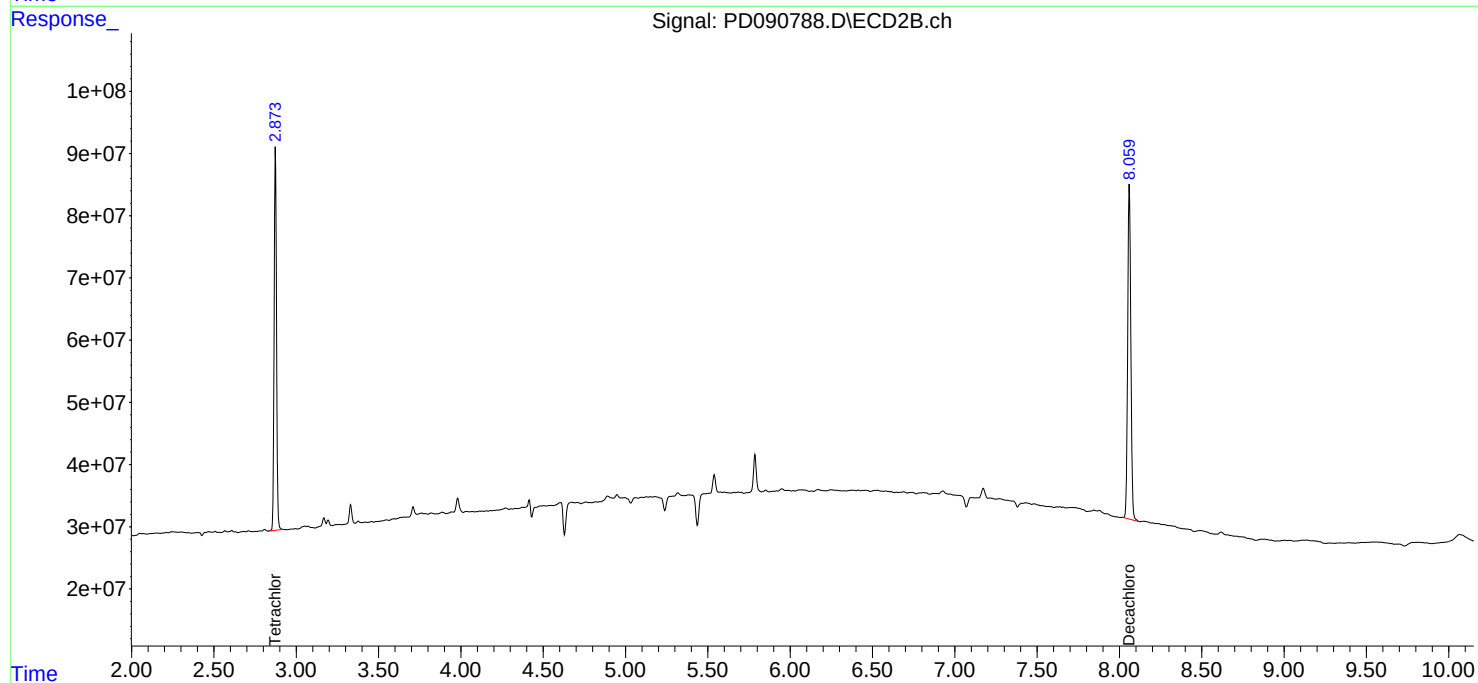
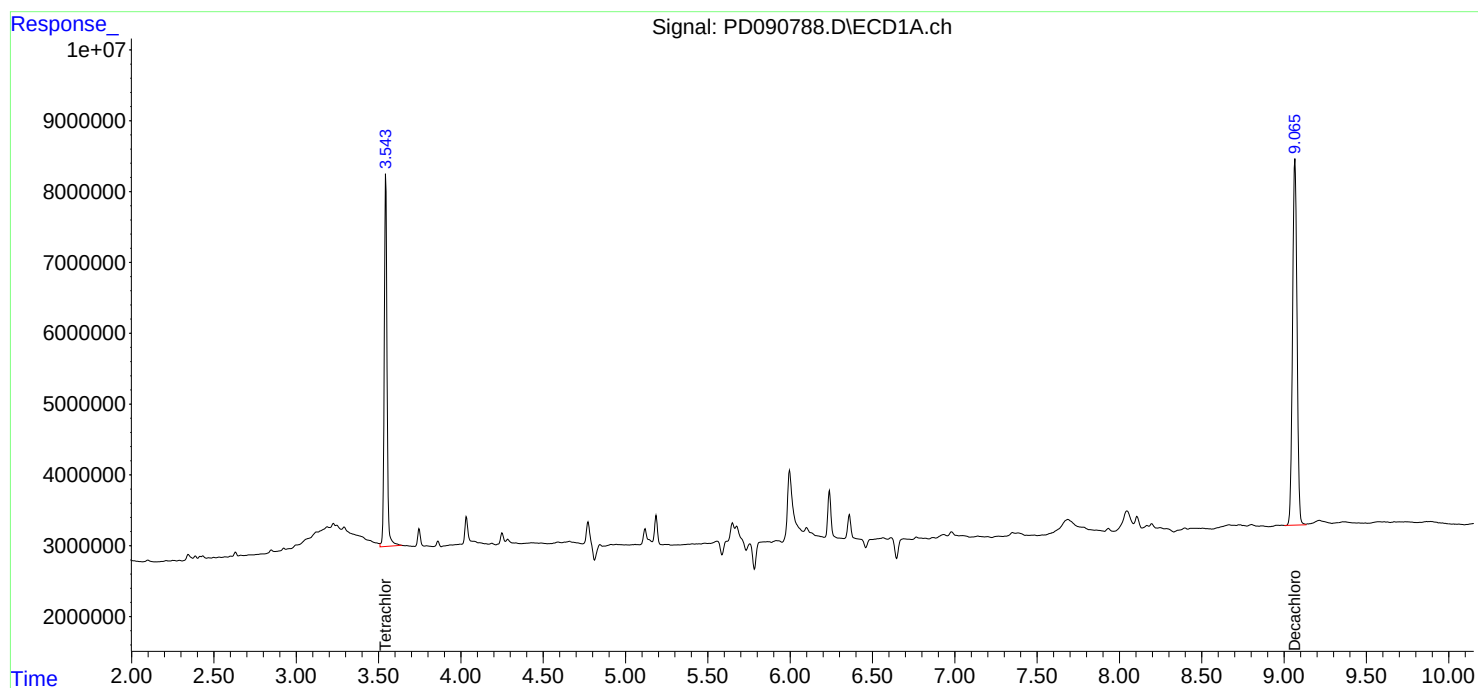
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

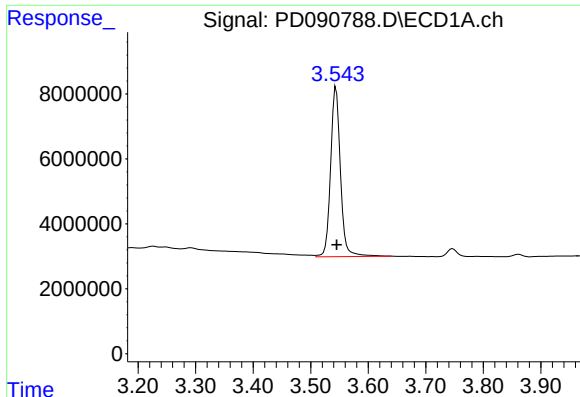
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090788.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 15:38  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:15:12 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

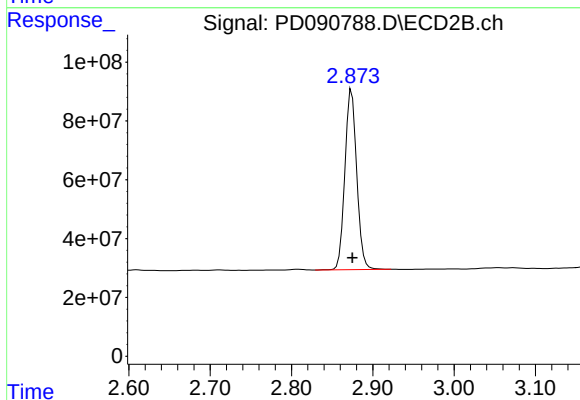




## #1 Tetrachloro-m-xylene

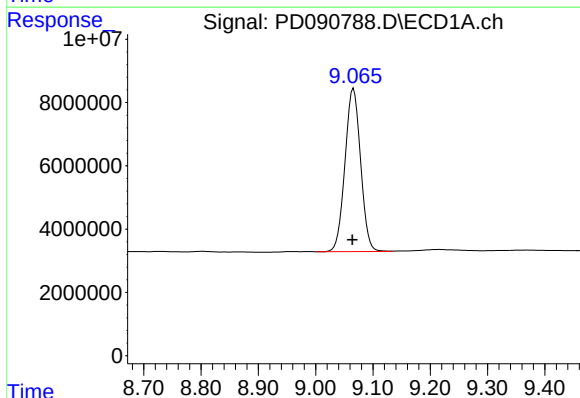
R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 62243044  
Conc: 19.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



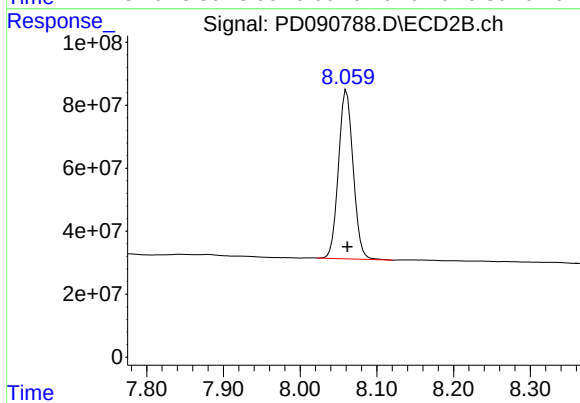
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 618601979  
Conc: 20.77 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 97868417  
Conc: 20.92 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.001 min  
Response: 711503271  
Conc: 23.49 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/23/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/23/25      |
| Client Sample ID:  | PIBLK-PD090799.D                                 |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | I.BLK-PD090799.D                                 |                     | Matrix:         | WATER         |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | 3510C                                            | Prep Date:          |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 319-85-7          | beta-BHC             | 0.050 | U    | 1  | 0.0049   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 319-86-8          | delta-BHC            | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 76-44-8           | Heptachlor           | 0.050 | U    | 1  | 0.0027   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 309-00-2          | Aldrin               | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U    | 1  | 0.0096   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 959-98-8          | Endosulfan I         | 0.050 | U    | 1  | 0.0031   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 60-57-1           | Dieldrin             | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-55-9           | 4,4-DDE              | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-20-8           | Endrin               | 0.050 | U    | 1  | 0.0032   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 33213-65-9        | Endosulfan II        | 0.050 | U    | 1  | 0.0079   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-54-8           | 4,4-DDD              | 0.050 | U    | 1  | 0.0071   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 50-29-3           | 4,4-DDT              | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 72-43-5           | Methoxychlor         | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 53494-70-5        | Endrin ketone        | 0.050 | U    | 1  | 0.0093   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/23/25  | Pd102325 |
| 8001-35-2         | Toxaphene            | 1.00  | U    | 1  | 0.17     | 1.00       | ug/L    | 10/23/25  | Pd102325 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 23.4  |      |    | 57 - 171 | 117%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 20.3  |      |    | 61 - 148 | 101%       | SPK: 20 |           |          |

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\_D\Data\PD102325\  
Data File : PD090799.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 18:09  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:17:56 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 61423175 | 603.0E6 | 19.724 | 20.252 |
| 28)                         | SA Decachlor... | 9.066 | 8.060 | 98642834 | 707.8E6 | 21.087 | 23.368 |

Target Compounds

-----

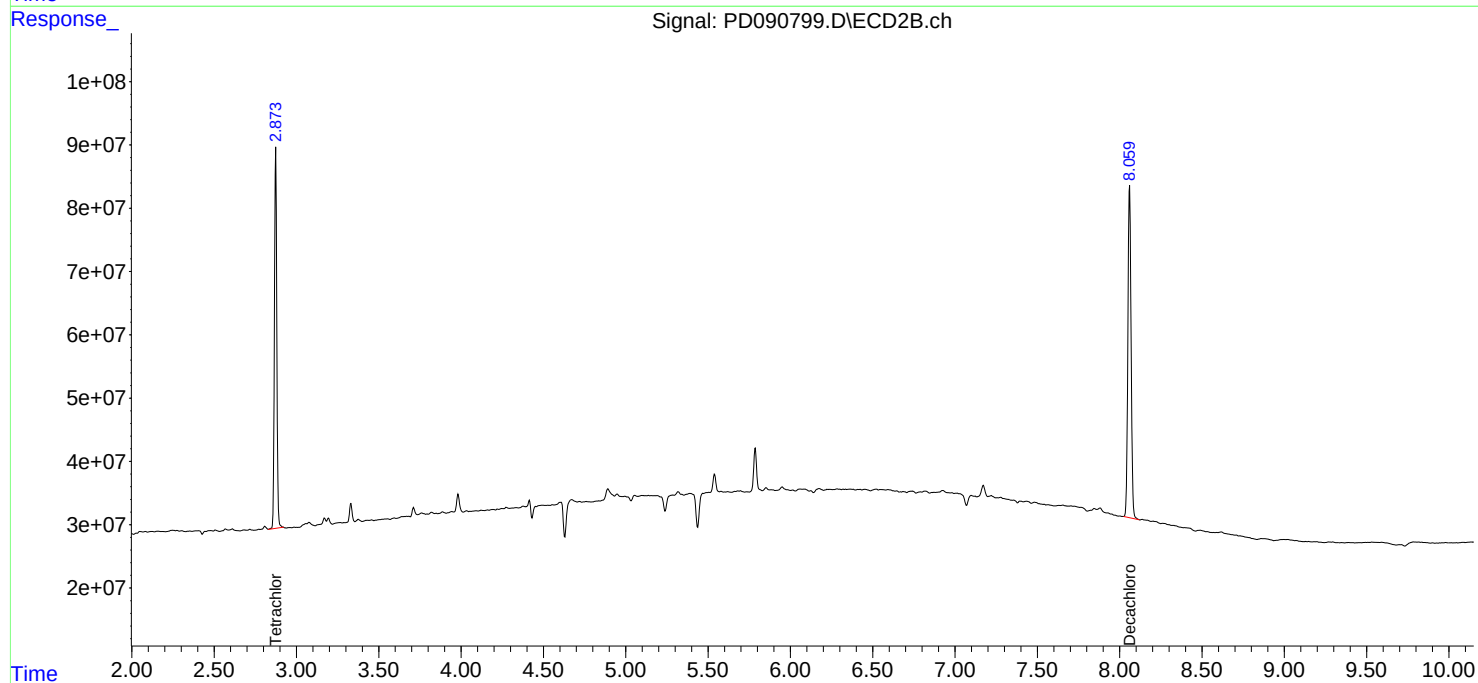
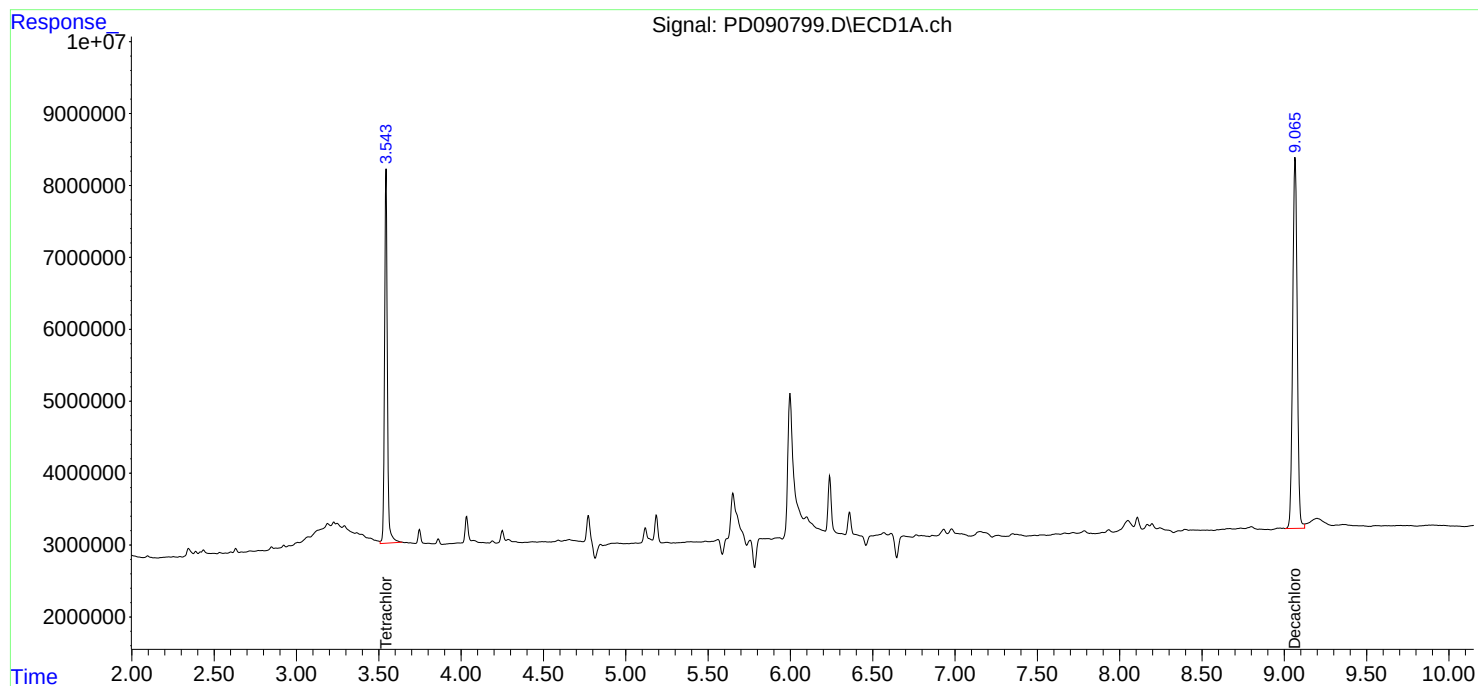
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090799.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 18:09  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

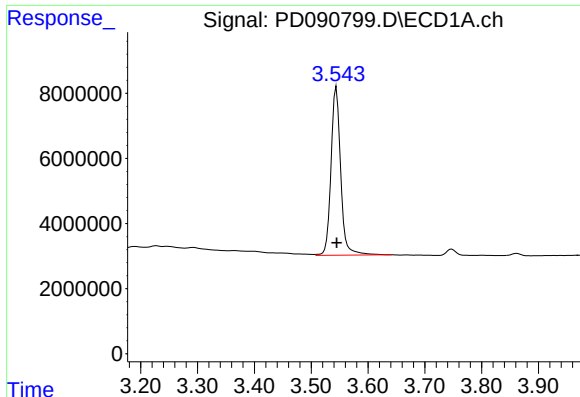
Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:17:56 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm



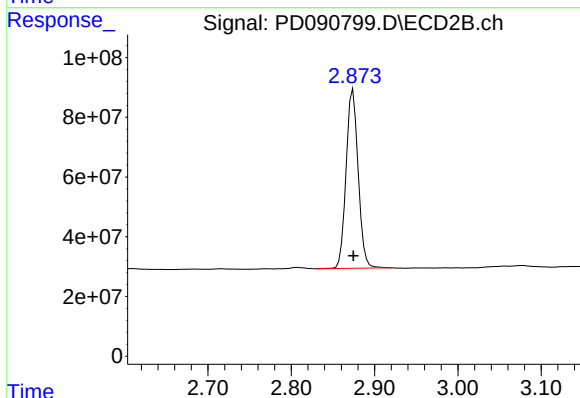




## #1 Tetrachloro-m-xylene

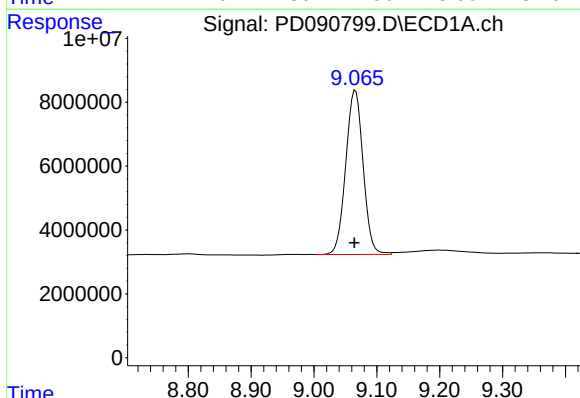
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 61423175  
Conc: 19.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



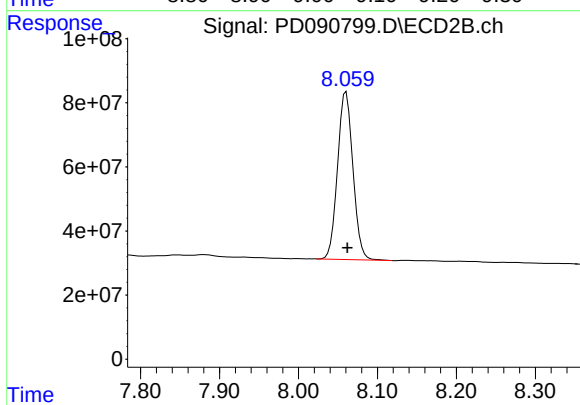
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 603039284  
Conc: 20.25 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 98642834  
Conc: 21.09 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.001 min  
Response: 707847221  
Conc: 23.37 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/24/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/24/25      |
| Client Sample ID:  | PIBLK-PD090808.D                                 |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | I.BLK-PD090808.D                                 |                     | Matrix:         | WATER         |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | 3510C                                            | Prep Date:          |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 319-85-7          | beta-BHC             | 0.050 | U    | 1  | 0.0049   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 319-86-8          | delta-BHC            | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 76-44-8           | Heptachlor           | 0.050 | U    | 1  | 0.0027   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 309-00-2          | Aldrin               | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U    | 1  | 0.0096   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 959-98-8          | Endosulfan I         | 0.050 | U    | 1  | 0.0031   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 60-57-1           | Dieldrin             | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-55-9           | 4,4-DDE              | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-20-8           | Endrin               | 0.050 | U    | 1  | 0.0032   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 33213-65-9        | Endosulfan II        | 0.050 | U    | 1  | 0.0079   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-54-8           | 4,4-DDD              | 0.050 | U    | 1  | 0.0071   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 50-29-3           | 4,4-DDT              | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-43-5           | Methoxychlor         | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 53494-70-5        | Endrin ketone        | 0.050 | U    | 1  | 0.0093   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 8001-35-2         | Toxaphene            | 1.00  | U    | 1  | 0.17     | 1.00       | ug/L    | 10/24/25  | pd102425 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 24.1  |      |    | 57 - 171 | 120%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 21.1  |      |    | 61 - 148 | 106%       | SPK: 20 |           |          |

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\_D\Data\PD102425\  
 Data File : PD090808.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2025 09:57  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 23:34:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 64667152 | 629.3E6 | 20.765 | 21.134 |
| 28)                         | SA Decachlor... | 9.064 | 8.059 | 102.8E6  | 729.0E6 | 21.976 | 24.065 |

Target Compounds

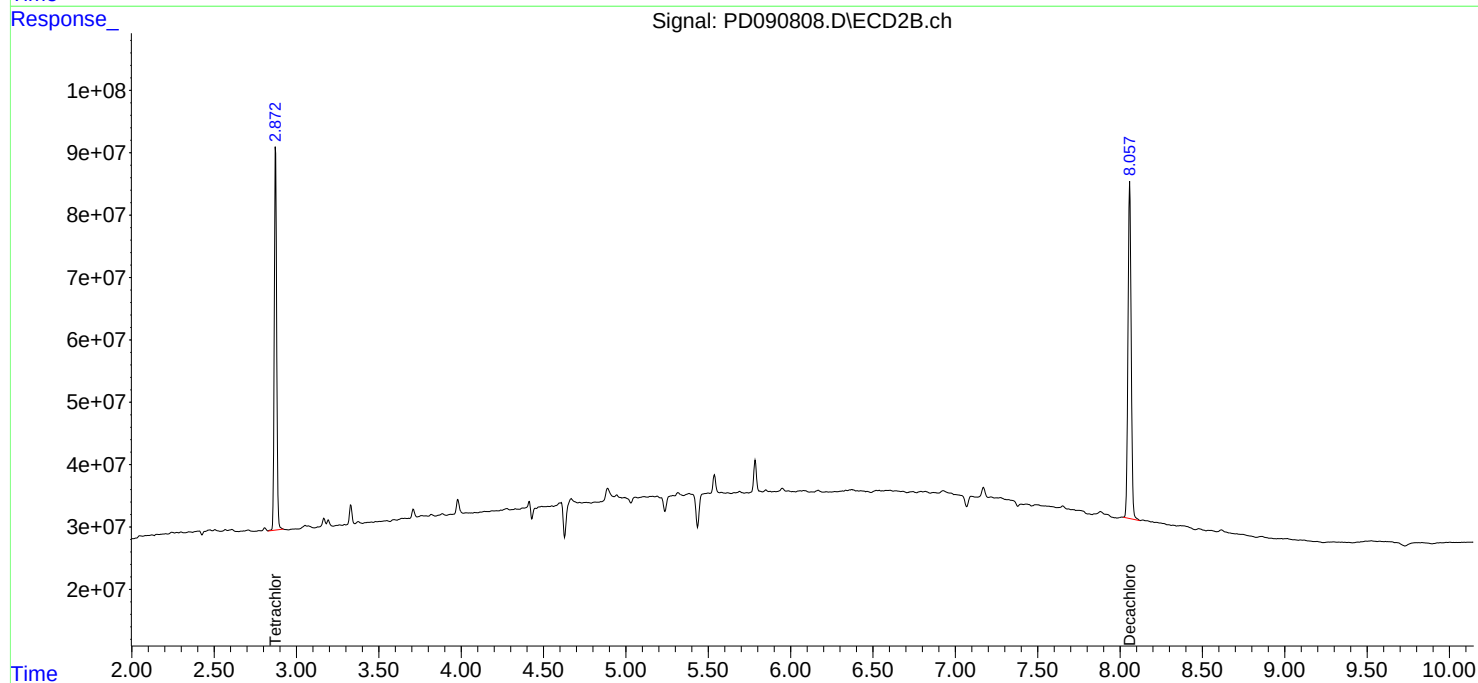
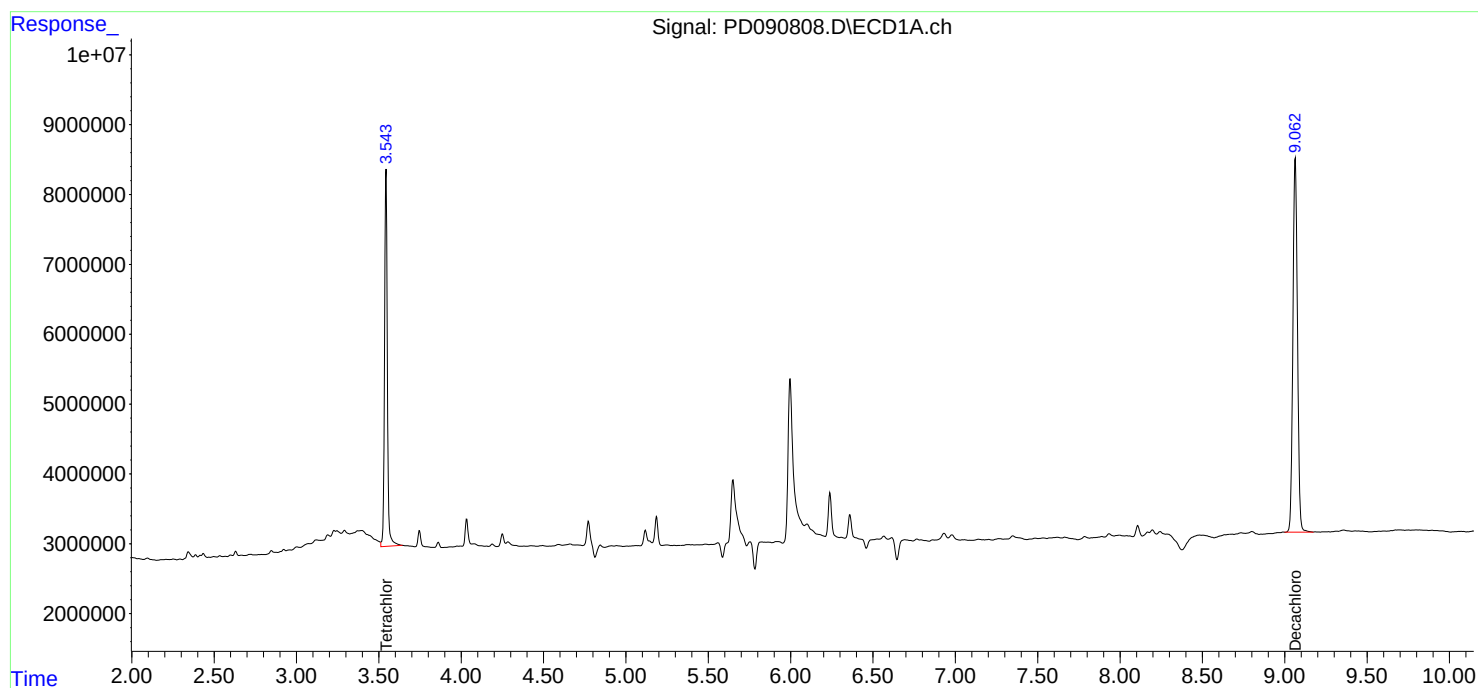
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

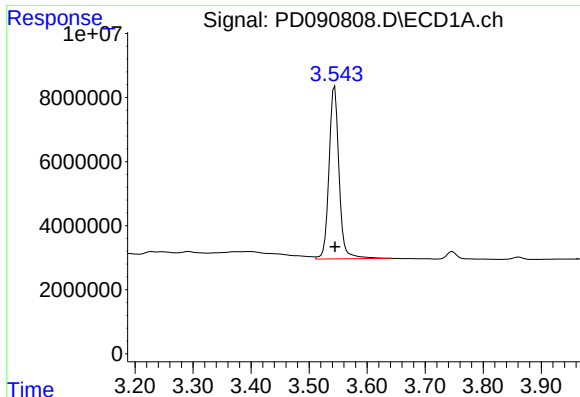
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090808.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 09:57  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:34:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

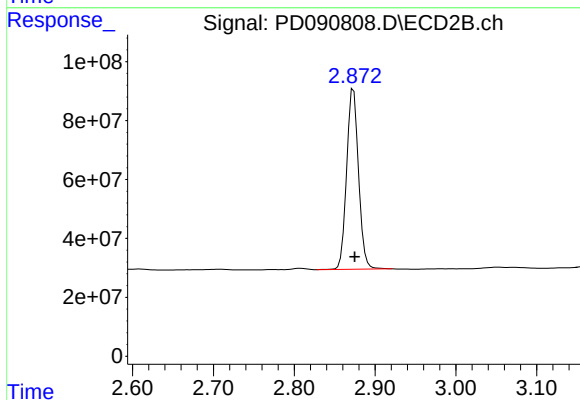




## #1 Tetrachloro-m-xylene

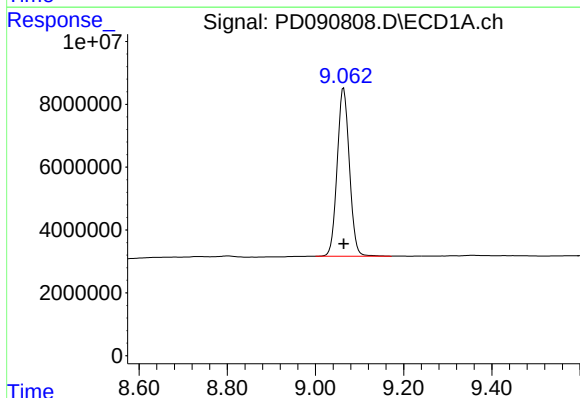
R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 64667152  
Conc: 20.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



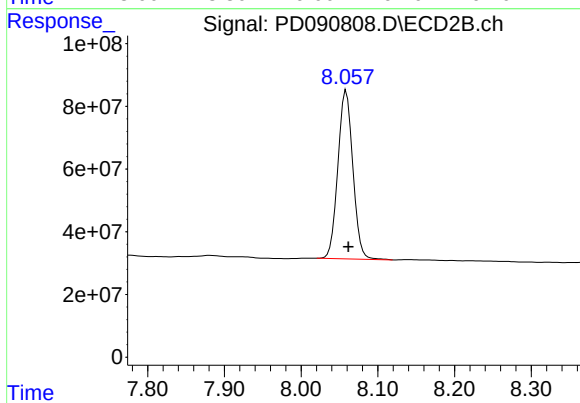
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 629321680  
Conc: 21.13 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.064 min  
Delta R.T.: 0.000 min  
Response: 102804895  
Conc: 21.98 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.059 min  
Delta R.T.: -0.003 min  
Response: 728970168  
Conc: 24.07 ng/ml



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Fax : 908 789 8922

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/24/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/24/25      |
| Client Sample ID:  | PIBLK-PD090823.D                                 |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | I.BLK-PD090823.D                                 |                     | Matrix:         | WATER         |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | 3510C                                            | Prep Date:          |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 319-85-7          | beta-BHC             | 0.050 | U    | 1  | 0.0049   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 319-86-8          | delta-BHC            | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 76-44-8           | Heptachlor           | 0.050 | U    | 1  | 0.0027   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 309-00-2          | Aldrin               | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 1024-57-3         | Heptachlor epoxide   | 0.050 | U    | 1  | 0.0096   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 959-98-8          | Endosulfan I         | 0.050 | U    | 1  | 0.0031   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 60-57-1           | Dieldrin             | 0.050 | U    | 1  | 0.0036   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-55-9           | 4,4-DDE              | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-20-8           | Endrin               | 0.050 | U    | 1  | 0.0032   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 33213-65-9        | Endosulfan II        | 0.050 | U    | 1  | 0.0079   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-54-8           | 4,4-DDD              | 0.050 | U    | 1  | 0.0071   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 1031-07-8         | Endosulfan Sulfate   | 0.050 | U    | 1  | 0.0037   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 50-29-3           | 4,4-DDT              | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 72-43-5           | Methoxychlor         | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 53494-70-5        | Endrin ketone        | 0.050 | U    | 1  | 0.0093   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 7421-93-4         | Endrin aldehyde      | 0.050 | U    | 1  | 0.011    | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 5103-71-9         | alpha-Chlordane      | 0.050 | U    | 1  | 0.0035   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 5103-74-2         | gamma-Chlordane      | 0.050 | U    | 1  | 0.0039   | 0.050      | ug/L    | 10/24/25  | pd102425 |
| 8001-35-2         | Toxaphene            | 1.00  | U    | 1  | 0.17     | 1.00       | ug/L    | 10/24/25  | pd102425 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 17.3  |      |    | 57 - 171 | 87%        | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 19.6  |      |    | 61 - 148 | 98%        | SPK: 20 |           |          |

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\_D\Data\PD102425\  
Data File : PD090823.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 15:10  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:38:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|----------|
| -----                       |                 |       |       |          |         |        |          |
| System Monitoring Compounds |                 |       |       |          |         |        |          |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 58080865 | 585.2E6 | 18.651 | 19.653   |
| 28)                         | SA Decachlor... | 9.063 | 8.060 | 81113564 | 371.3E6 | 17.340 | 12.257 # |

Target Compounds

-----

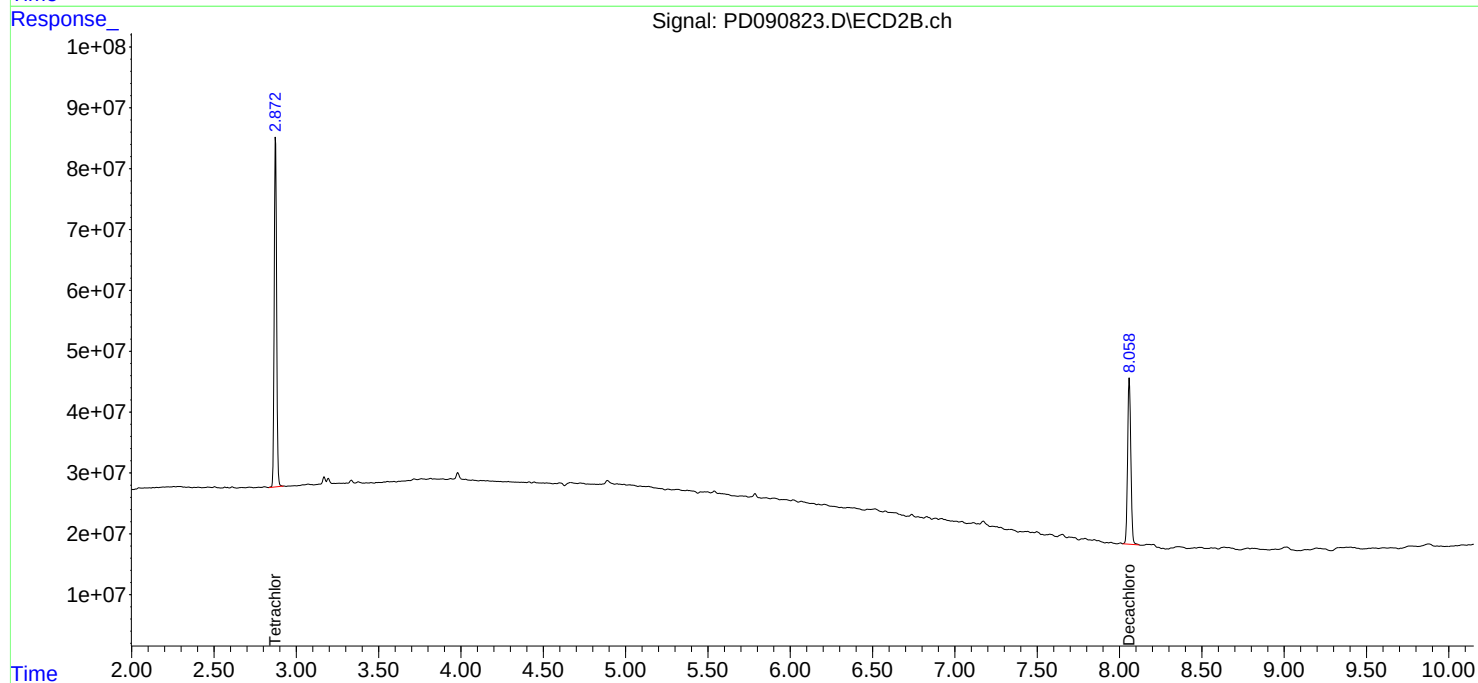
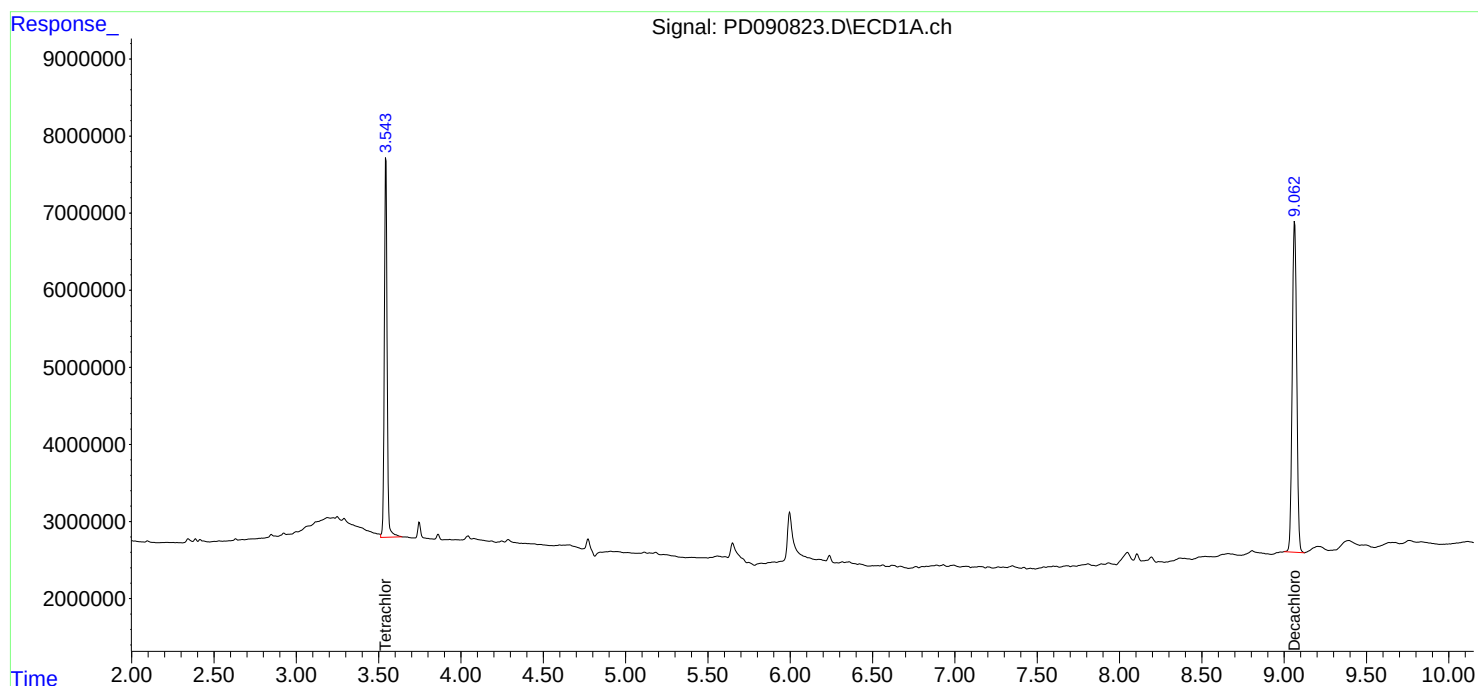
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090823.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 15:10  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

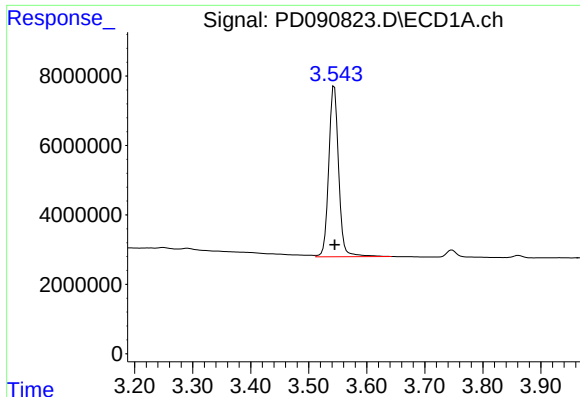
Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:38:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm



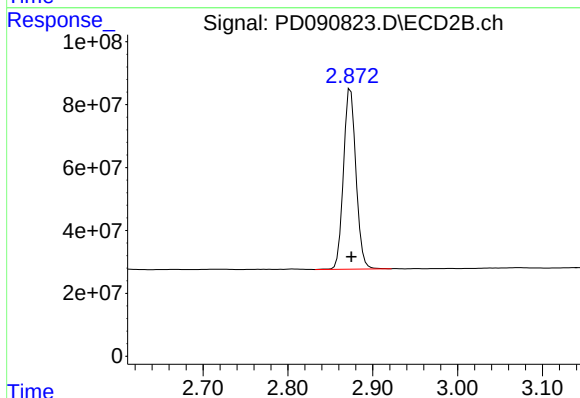




## #1 Tetrachloro-m-xylene

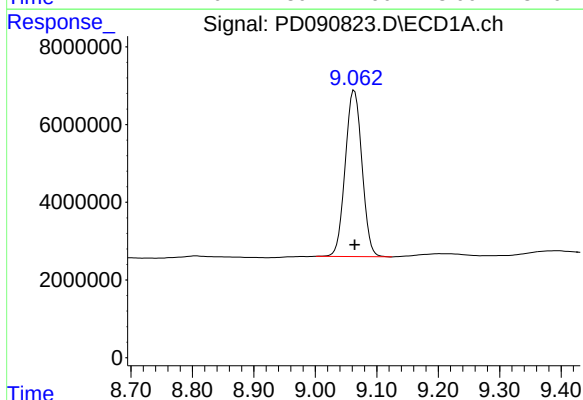
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 58080865  
Conc: 18.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



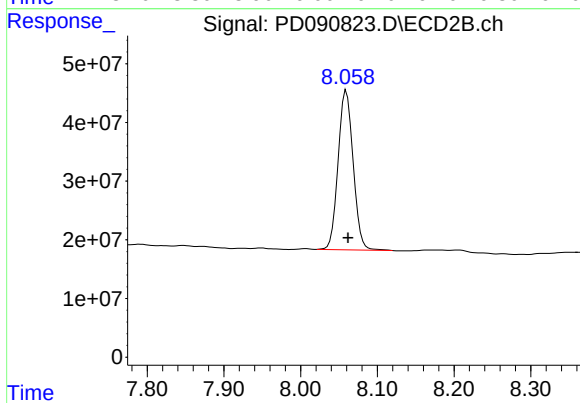
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 585216345  
Conc: 19.65 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: 0.000 min  
Response: 81113564  
Conc: 17.34 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 371270679  
Conc: 12.26 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  |               |
| Client Sample ID:  | PB170213BS                                       |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | PB170213BS                                       |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 100           |
| Sample Wt/Vol:     | 30.03 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          | Prep Date: 10/23/25 |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 15.7  |      | 1  | 0.13     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 319-85-7          | beta-BHC             | 15.6  |      | 1  | 0.18     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 319-86-8          | delta-BHC            | 15.9  |      | 1  | 0.39     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 15.7  |      | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 76-44-8           | Heptachlor           | 18.2  |      | 1  | 0.12     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 309-00-2          | Aldrin               | 15.9  |      | 1  | 0.12     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 15.9  |      | 1  | 0.19     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 959-98-8          | Endosulfan I         | 15.6  |      | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 60-57-1           | Dieldrin             | 16.3  |      | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 72-55-9           | 4,4-DDE              | 16.4  |      | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 72-20-8           | Endrin               | 16.5  |      | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 33213-65-9        | Endosulfan II        | 16.6  |      | 1  | 0.29     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 72-54-8           | 4,4-DDD              | 16.8  |      | 1  | 0.15     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 16.7  |      | 1  | 0.13     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 50-29-3           | 4,4-DDT              | 17.0  |      | 1  | 0.14     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 72-43-5           | Methoxychlor         | 16.8  |      | 1  | 0.37     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 53494-70-5        | Endrin ketone        | 17.5  |      | 1  | 0.19     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 17.1  |      | 1  | 0.37     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 16.0  |      | 1  | 0.12     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 16.1  |      | 1  | 0.15     | 1.70       | ug/kg   | 10/23/25 13:30 | PB170213 |
| 8001-35-2         | Toxaphene            | 33.0  | U    | 1  | 5.40     | 33.0       | ug/kg   | 10/23/25 13:30 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 26.0  |      |    | 20 - 144 | 130%       | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 18.3  |      |    | 19 - 148 | 91%        | SPK: 20 |                |          |

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\_D\Data\PD102325\  
 Data File : PD090779.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 13:30  
 Operator : AR\AJ  
 Sample : PB170213BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB170213BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:12:53 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 54886223 | 543.9E6  | 17.625 | 18.266 |
| 28)                         | SA Decachlor... | 9.067 | 8.060 | 103.2E6  | 787.2E6  | 22.071 | 25.986 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.384 | 332.1E6  | 2403.3E6 | 46.269 | 47.036 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.720 | 311.2E6  | 2233.5E6 | 45.775 | 47.271 |
| 4)                          | MA Heptachlor   | 4.923 | 4.072 | 305.8E6  | 2163.9E6 | 54.709 | 48.515 |
| 5)                          | MB Aldrin       | 5.264 | 4.358 | 303.1E6  | 2206.4E6 | 46.291 | 47.636 |
| 6)                          | B beta-BHC      | 4.512 | 4.017 | 118.5E6  | 926.9E6  | 45.234 | 46.744 |
| 7)                          | B delta-BHC     | 4.760 | 4.253 | 315.9E6  | 2278.3E6 | 46.716 | 47.746 |
| 8)                          | B Heptachlo...  | 5.684 | 4.862 | 276.3E6  | 2026.1E6 | 47.730 | 47.518 |
| 9)                          | A Endosulfan I  | 6.068 | 5.236 | 259.2E6  | 1792.0E6 | 46.811 | 45.492 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.115 | 272.9E6  | 2174.8E6 | 46.003 | 48.383 |
| 11)                         | B alpha-Chl...  | 6.021 | 5.179 | 286.8E6  | 2076.8E6 | 46.404 | 48.143 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.364 | 240.9E6  | 2156.9E6 | 45.230 | 49.201 |
| 13)                         | MA Dieldrin     | 6.341 | 5.502 | 275.7E6  | 2168.7E6 | 47.283 | 49.082 |
| 14)                         | MA Endrin       | 6.568 | 5.779 | 231.0E6  | 2006.9E6 | 46.628 | 49.562 |
| 15)                         | B Endosulfa...  | 6.782 | 6.070 | 242.8E6  | 1866.9E6 | 48.561 | 49.711 |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.918 | 205.1E6  | 1833.2E6 | 50.585 | 50.309 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.172 | 200.8E6  | 1786.2E6 | 48.853 | 50.928 |
| 18)                         | B Endrin al...  | 6.911 | 6.248 | 179.4E6  | 1418.1E6 | 48.985 | 51.208 |
| 19)                         | B Endosulfa...  | 7.145 | 6.472 | 217.1E6  | 1800.0E6 | 46.811 | 50.216 |
| 20)                         | A Methoxychlor  | 7.490 | 6.743 | 102.0E6  | 878.7E6  | 47.976 | 50.419 |
| 21)                         | B Endrin ke...  | 7.626 | 6.981 | 235.1E6  | 1977.6E6 | 48.377 | 52.432 |
| 22)                         | Mirex           | 8.109 | 7.174 | 161.1E6  | 1416.8E6 | 50.321 | 55.149 |
| -----                       |                 |       |       |          |          |        |        |

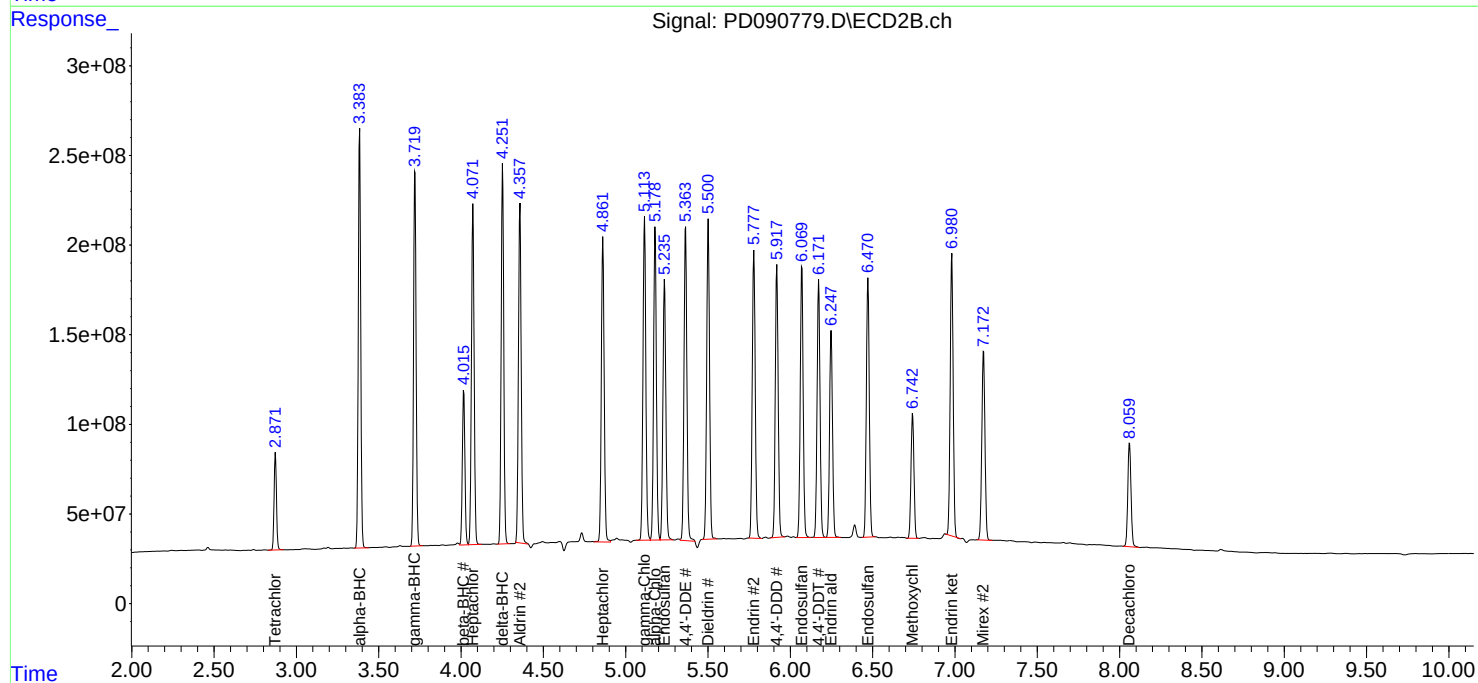
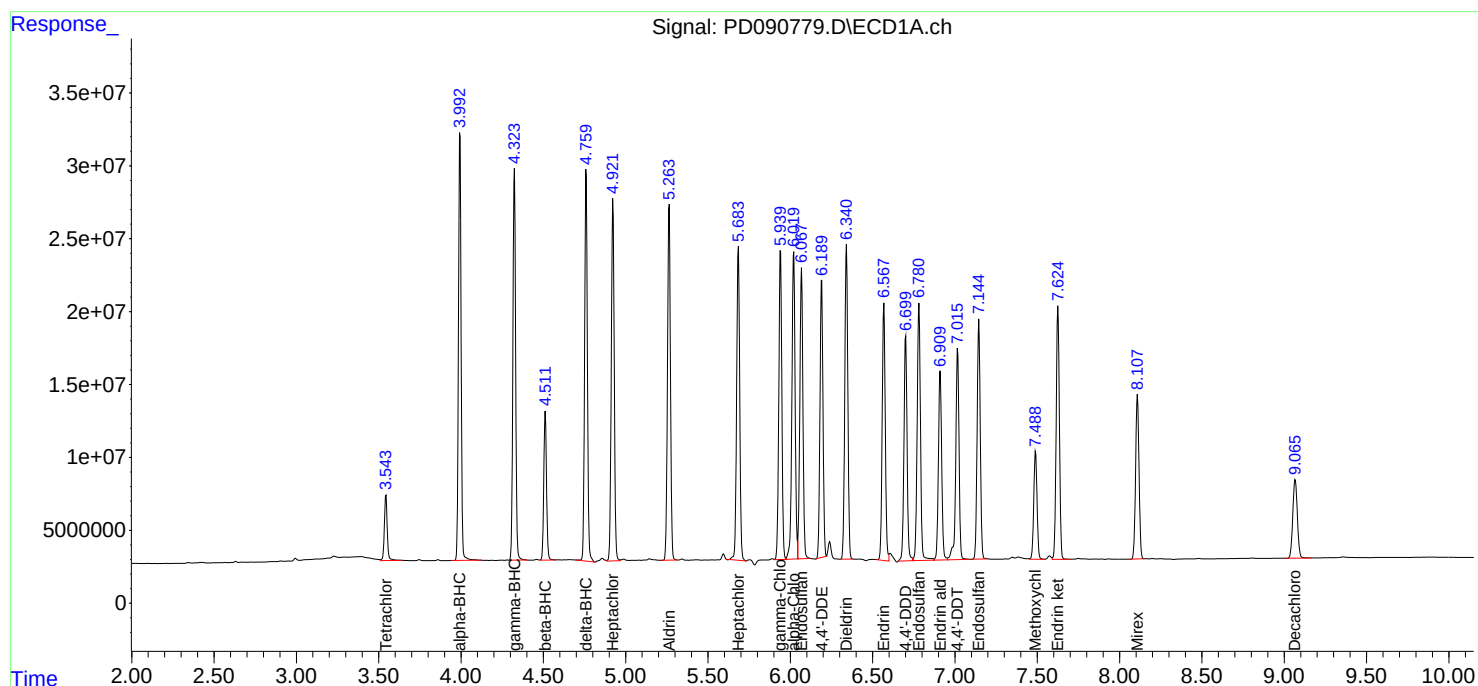
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

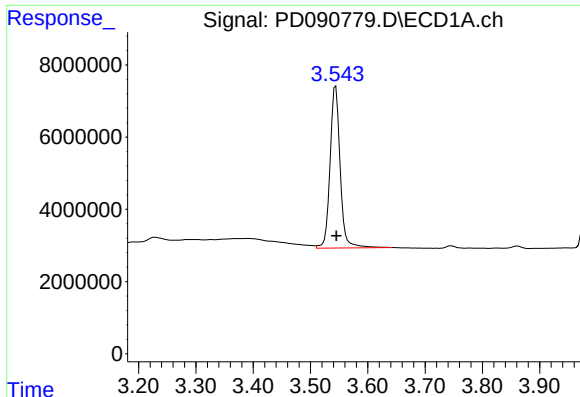
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090779.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 13:30  
Operator : AR\AJ  
Sample : PB170213BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:12:53 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

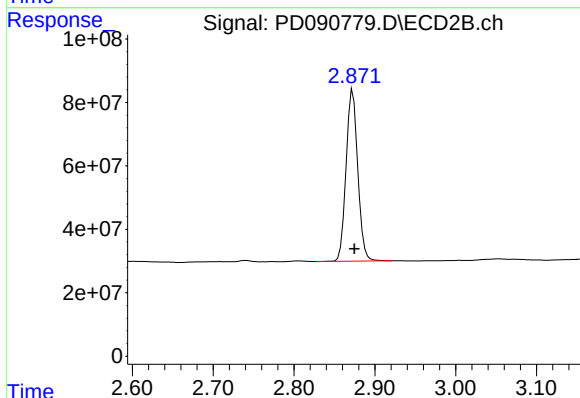




## #1 Tetrachloro-m-xylene

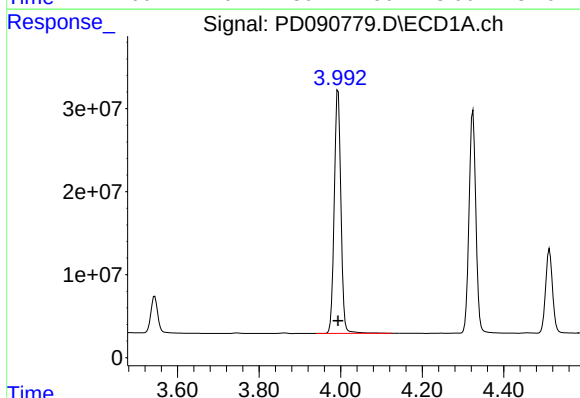
R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 54886223  
Conc: 17.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



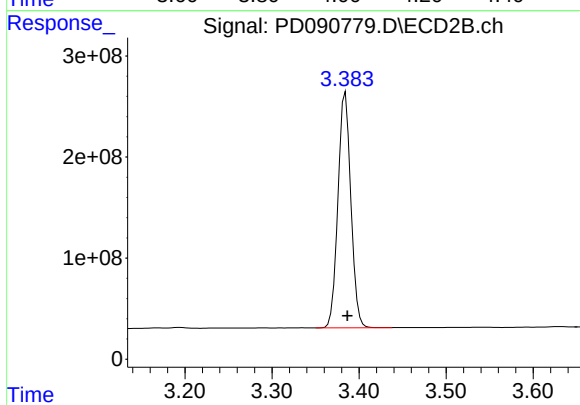
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.002 min  
Response: 543912446  
Conc: 18.27 ng/ml



## #2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 332080172  
Conc: 46.27 ng/ml



## #2 alpha-BHC

R.T.: 3.384 min  
Delta R.T.: -0.002 min  
Response: 2403319037  
Conc: 47.04 ng/ml

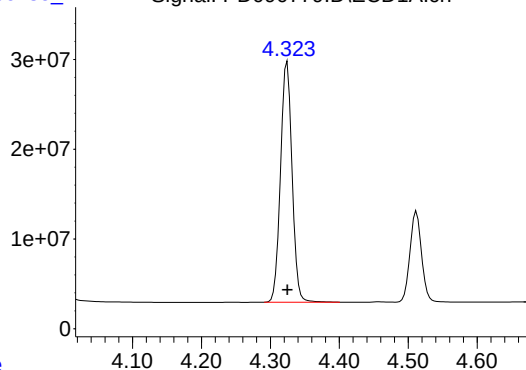
Response\_

Signal: PD090779.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 311214996  
Conc: 45.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



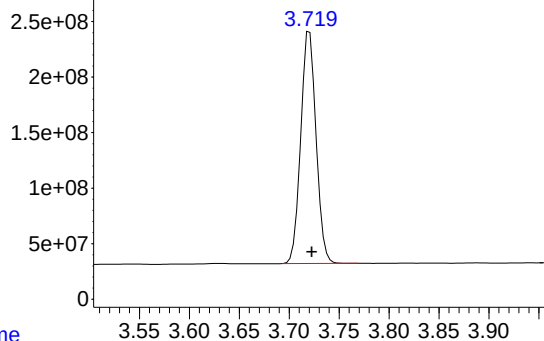
Time

Response\_

Signal: PD090779.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.720 min  
Delta R.T.: -0.002 min  
Response: 2233503398  
Conc: 47.27 ng/ml



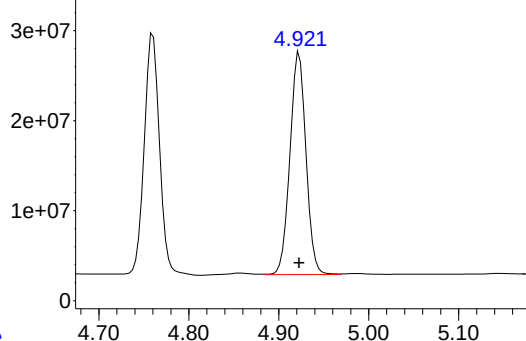
Time

Response\_

Signal: PD090779.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.923 min  
Delta R.T.: 0.000 min  
Response: 305799562  
Conc: 54.71 ng/ml



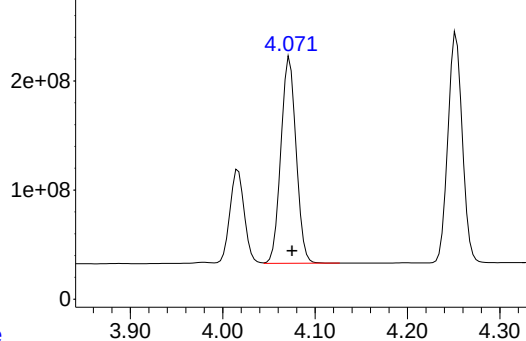
Time

Response\_

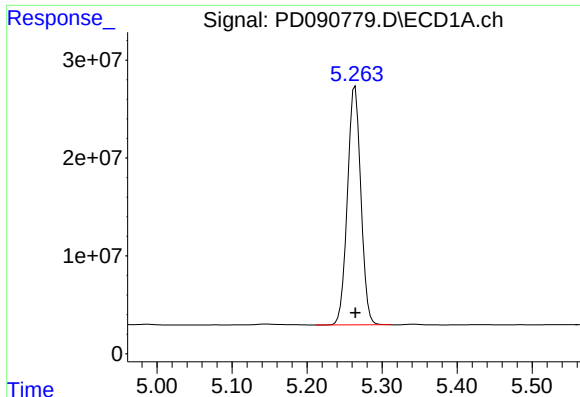
Signal: PD090779.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.072 min  
Delta R.T.: -0.002 min  
Response: 2163924425  
Conc: 48.52 ng/ml



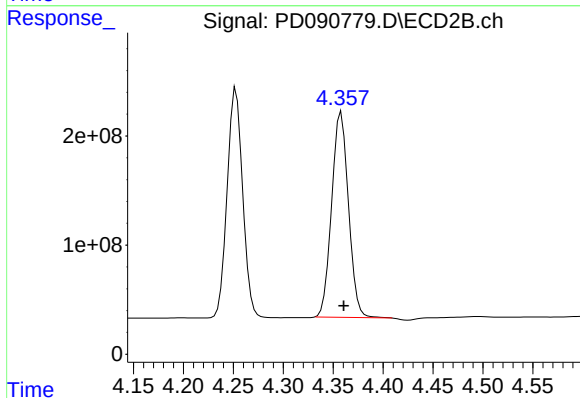
Time



#5 Aldrin

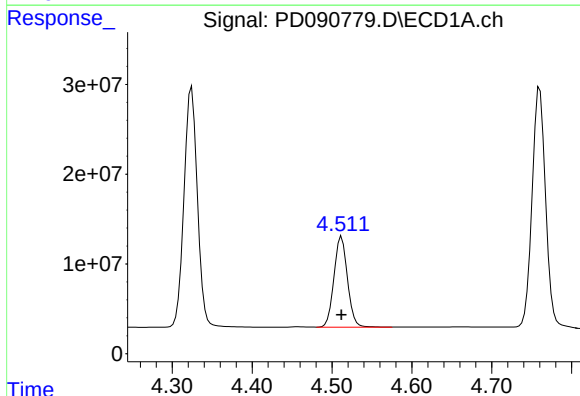
R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 303079265  
Conc: 46.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



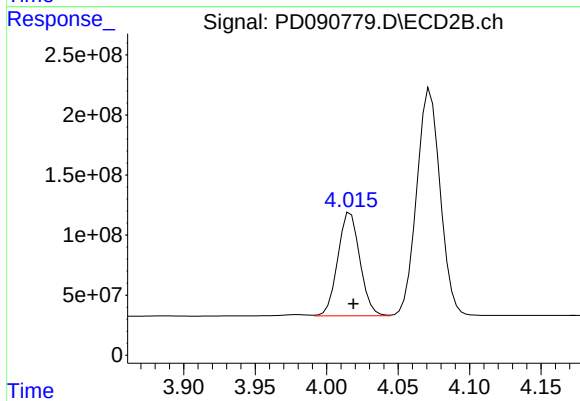
#5 Aldrin

R.T.: 4.358 min  
Delta R.T.: -0.003 min  
Response: 2206432982  
Conc: 47.64 ng/ml



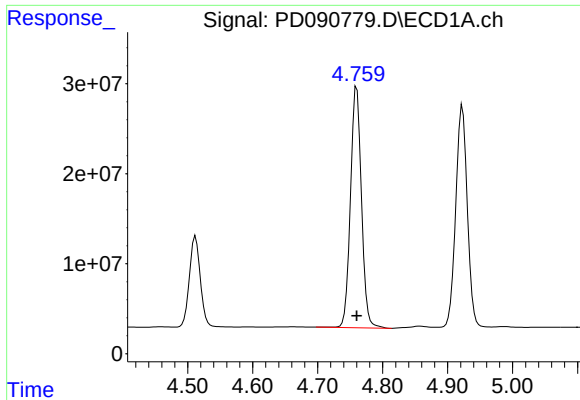
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 118495324  
Conc: 45.23 ng/ml



#6 beta-BHC

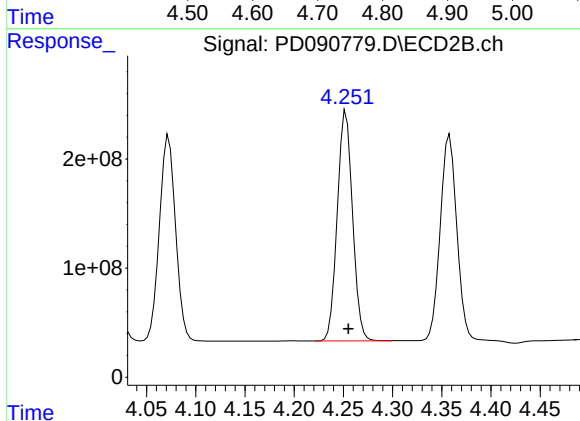
R.T.: 4.017 min  
Delta R.T.: -0.002 min  
Response: 926907058  
Conc: 46.74 ng/ml



#7 delta-BHC

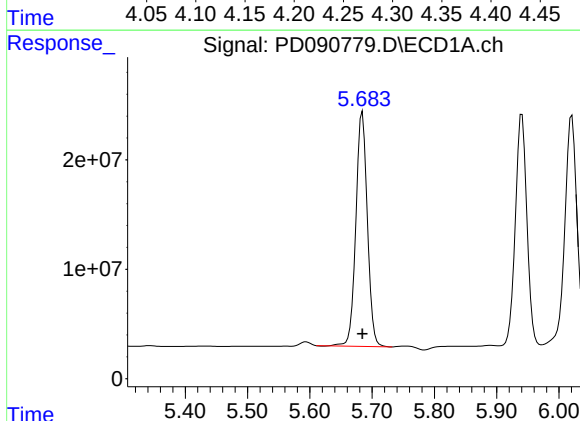
R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 315878726  
Conc: 46.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



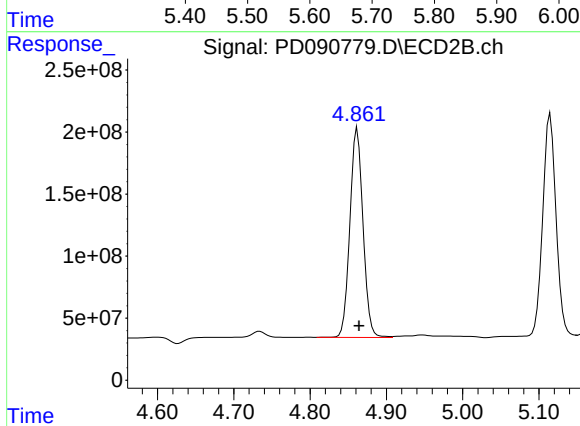
#7 delta-BHC

R.T.: 4.253 min  
Delta R.T.: -0.002 min  
Response: 2278274941  
Conc: 47.75 ng/ml



#8 Heptachlor epoxide

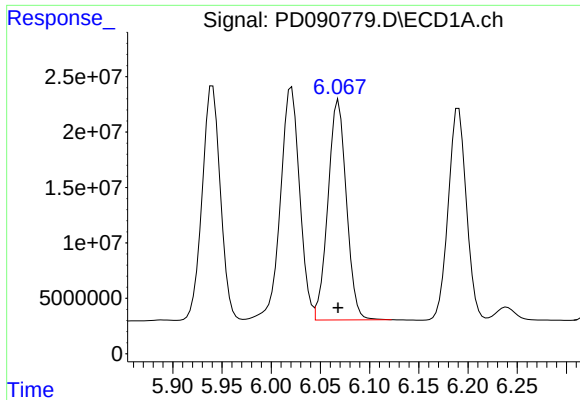
R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 276312774  
Conc: 47.73 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min  
Delta R.T.: -0.002 min  
Response: 2026138595  
Conc: 47.52 ng/ml

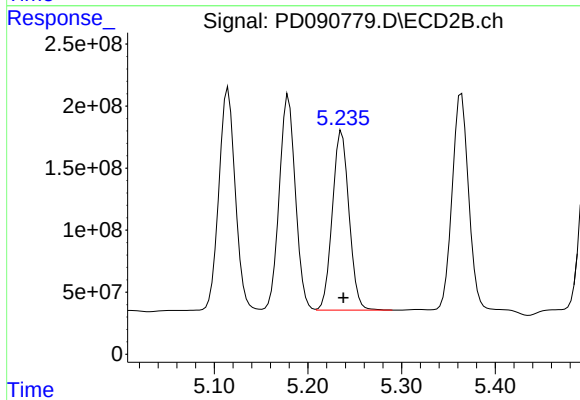




## #9 Endosulfan I

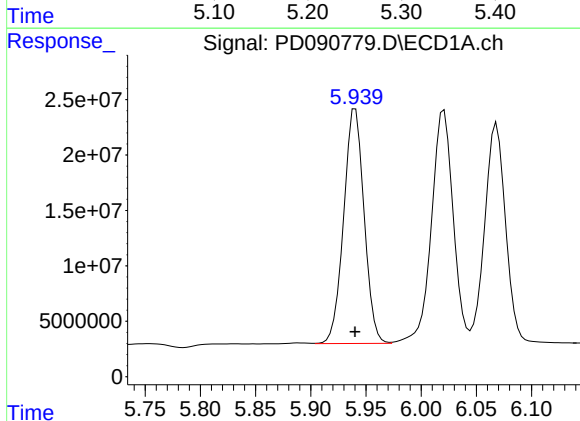
R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 259178126  
Conc: 46.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



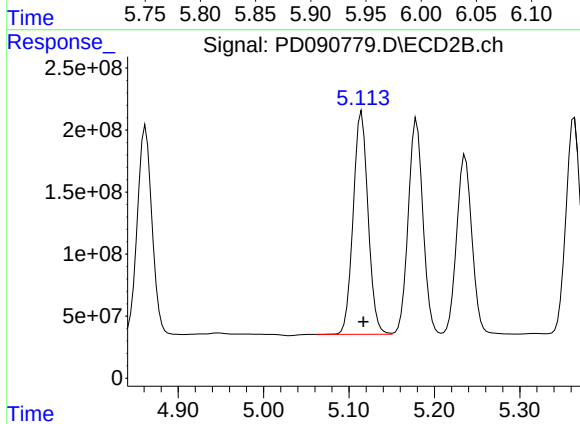
## #9 Endosulfan I

R.T.: 5.236 min  
Delta R.T.: -0.002 min  
Response: 1791960502  
Conc: 45.49 ng/ml



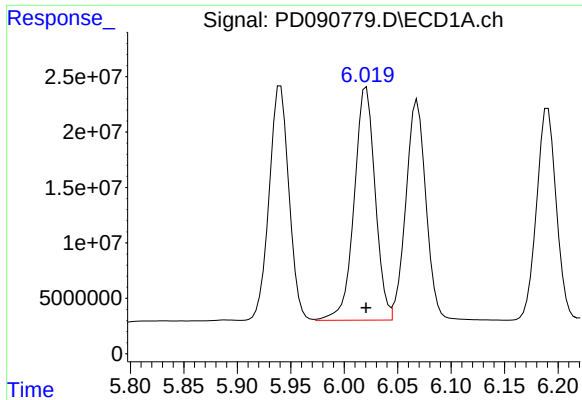
## #10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 272851252  
Conc: 46.00 ng/ml



## #10 gamma-Chlordane

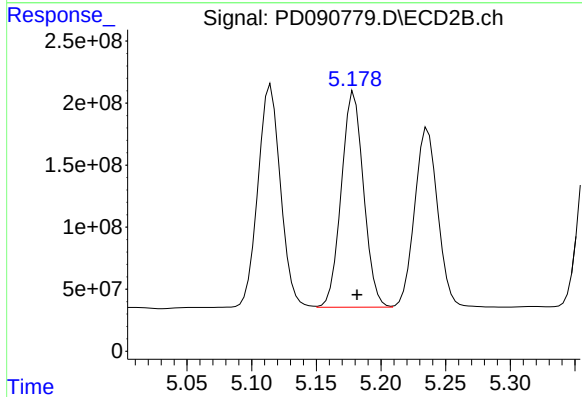
R.T.: 5.115 min  
Delta R.T.: -0.002 min  
Response: 2174774079  
Conc: 48.38 ng/ml



#11 alpha-Chlordane

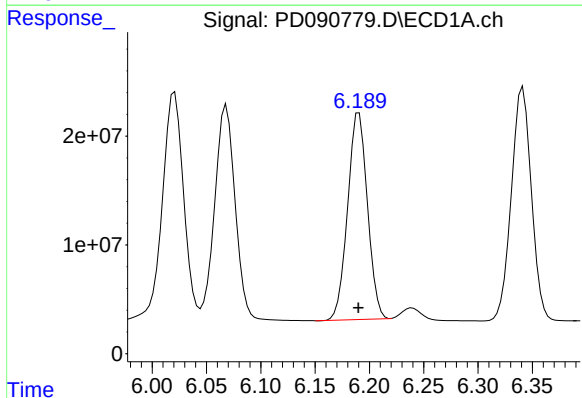
R.T.: 6.021 min  
Delta R.T.: 0.000 min  
Response: 286789260  
Conc: 46.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



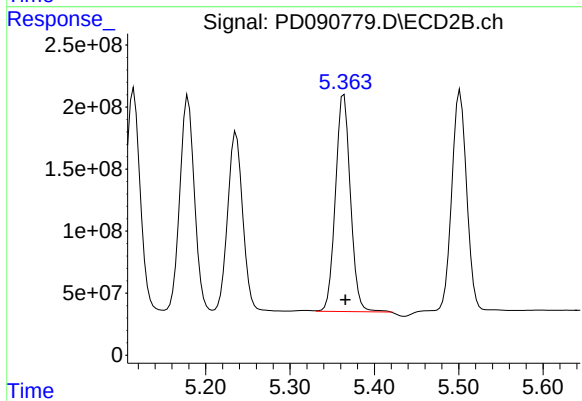
#11 alpha-Chlordane

R.T.: 5.179 min  
Delta R.T.: -0.002 min  
Response: 2076799947  
Conc: 48.14 ng/ml



#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 240922619  
Conc: 45.23 ng/ml

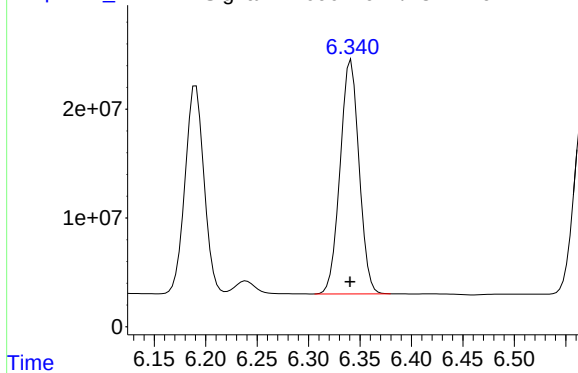


#12 4,4'-DDE

R.T.: 5.364 min  
Delta R.T.: -0.002 min  
Response: 2156883653  
Conc: 49.20 ng/ml

Response\_ Signal: PD090779.D\ECD1A.ch

#13 Dieldrin

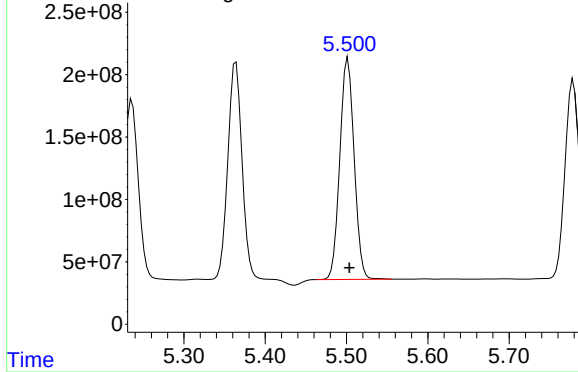


R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 275724347  
Conc: 47.28 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS

Response\_ Signal: PD090779.D\ECD2B.ch

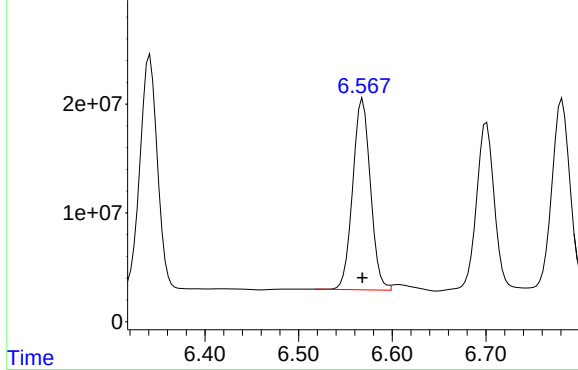
#13 Dieldrin



R.T.: 5.502 min  
Delta R.T.: -0.002 min  
Response: 2168652375  
Conc: 49.08 ng/ml

Response\_ Signal: PD090779.D\ECD1A.ch

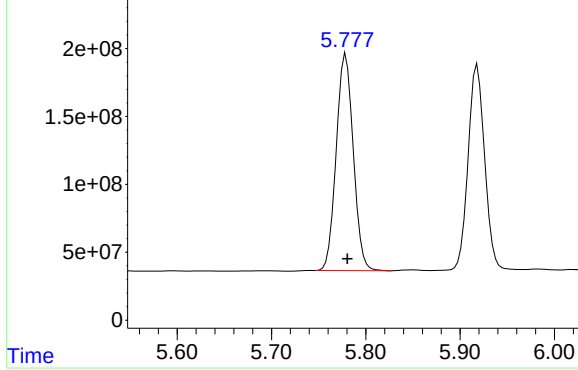
#14 Endrin



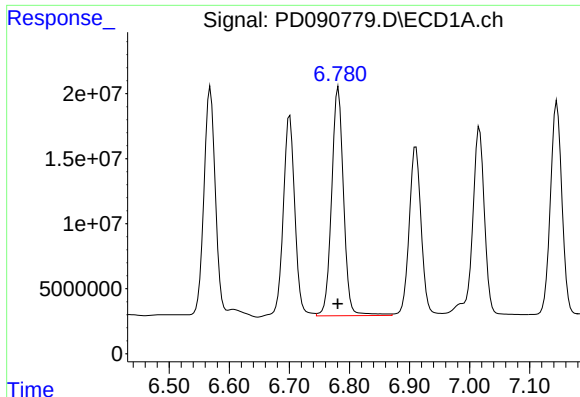
R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 230980851  
Conc: 46.63 ng/ml

Response\_ Signal: PD090779.D\ECD2B.ch

#14 Endrin



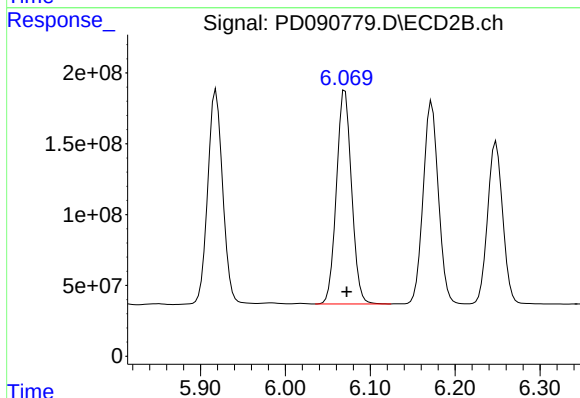
R.T.: 5.779 min  
Delta R.T.: -0.002 min  
Response: 2006944790  
Conc: 49.56 ng/ml



#15 Endosulfan II

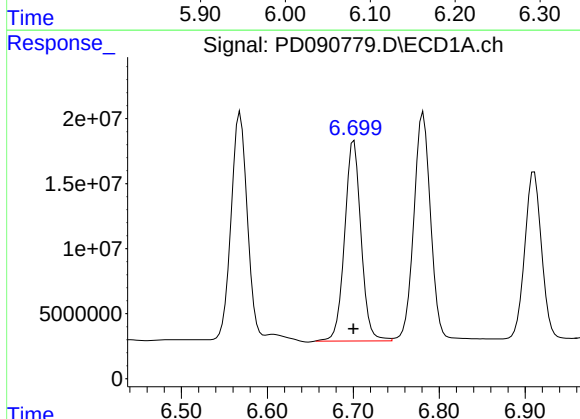
R.T.: 6.782 min  
Delta R.T.: 0.000 min  
Response: 242801356  
Conc: 48.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



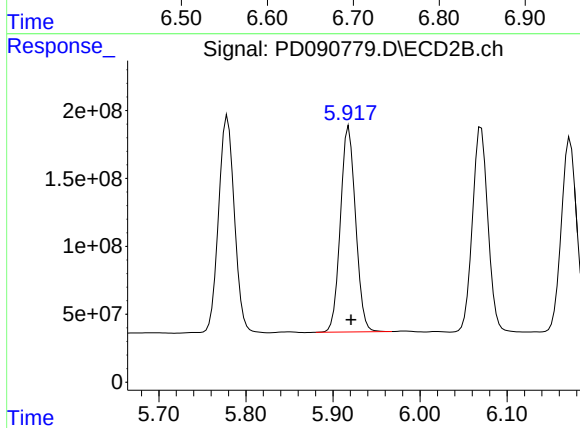
#15 Endosulfan II

R.T.: 6.070 min  
Delta R.T.: -0.002 min  
Response: 1866916714  
Conc: 49.71 ng/ml



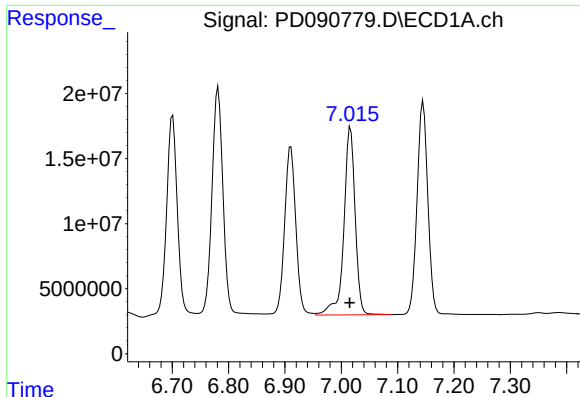
#16 4,4'-DDD

R.T.: 6.701 min  
Delta R.T.: 0.000 min  
Response: 205082267  
Conc: 50.59 ng/ml



#16 4,4'-DDD

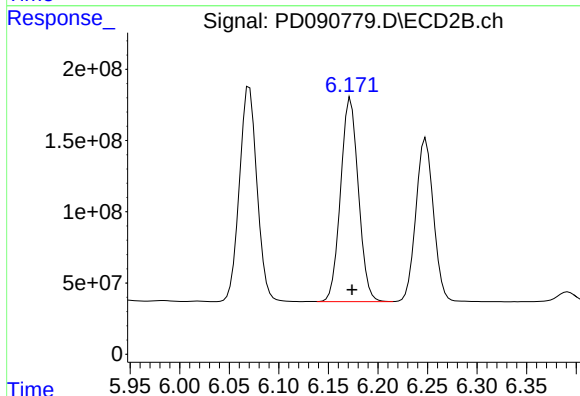
R.T.: 5.918 min  
Delta R.T.: -0.002 min  
Response: 1833151731  
Conc: 50.31 ng/ml



#17 4,4'-DDT

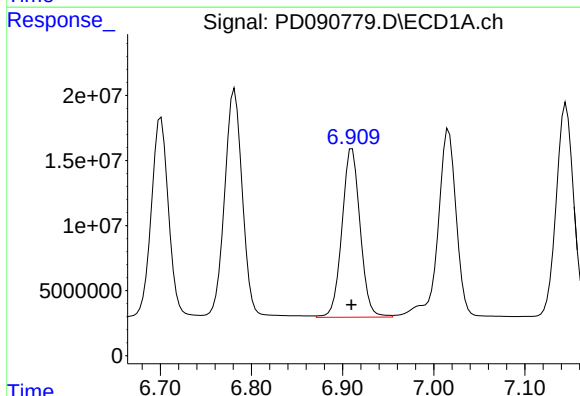
R.T.: 7.016 min  
Delta R.T.: 0.001 min  
Response: 200810619  
Conc: 48.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



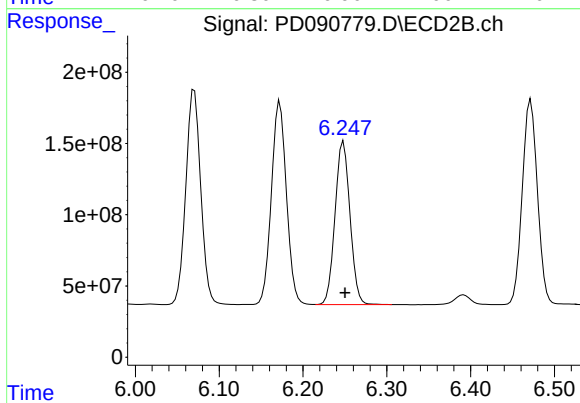
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 1786197670  
Conc: 50.93 ng/ml



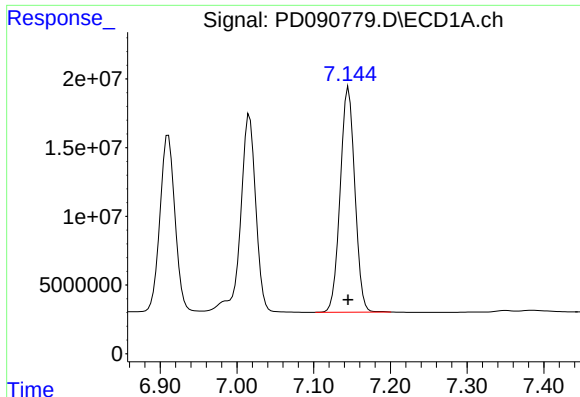
#18 Endrin aldehyde

R.T.: 6.911 min  
Delta R.T.: 0.000 min  
Response: 179417562  
Conc: 48.99 ng/ml



#18 Endrin aldehyde

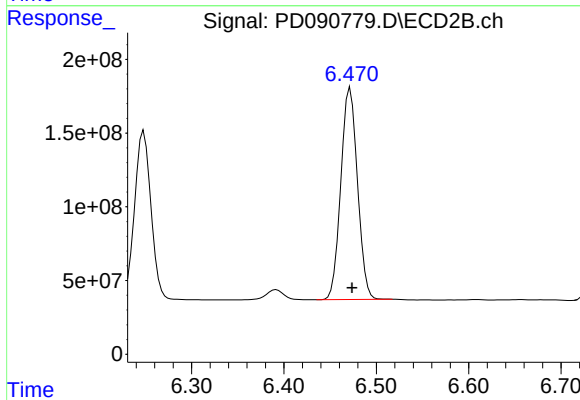
R.T.: 6.248 min  
Delta R.T.: -0.002 min  
Response: 1418090849  
Conc: 51.21 ng/ml



## #19 Endosulfan Sulfate

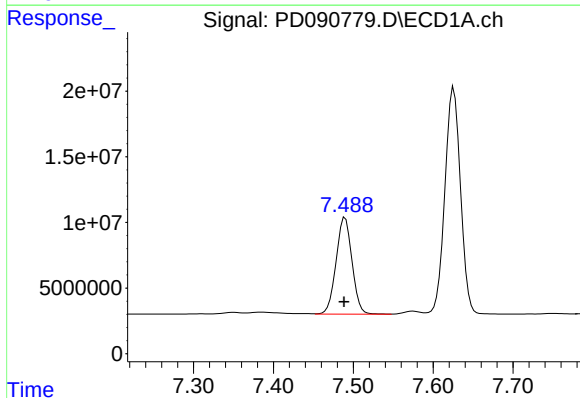
R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 217120098  
Conc: 46.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



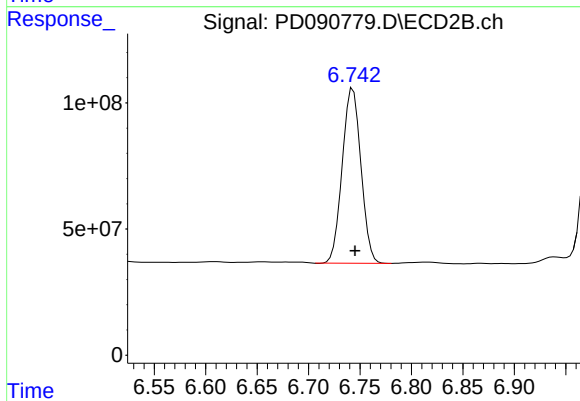
## #19 Endosulfan Sulfate

R.T.: 6.472 min  
Delta R.T.: -0.002 min  
Response: 1799990685  
Conc: 50.22 ng/ml



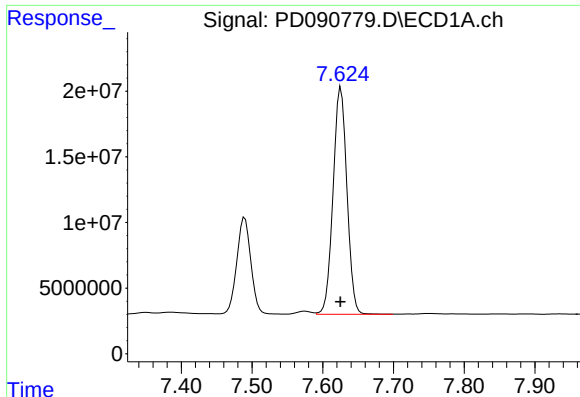
## #20 Methoxychlor

R.T.: 7.490 min  
Delta R.T.: 0.001 min  
Response: 101976592  
Conc: 47.98 ng/ml



## #20 Methoxychlor

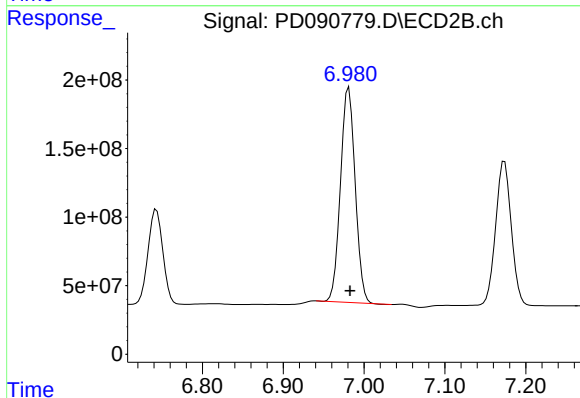
R.T.: 6.743 min  
Delta R.T.: -0.002 min  
Response: 878692026  
Conc: 50.42 ng/ml



#21 Endrin ketone

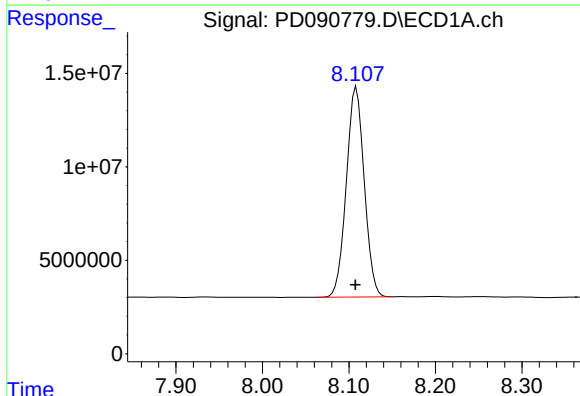
R.T.: 7.626 min  
Delta R.T.: 0.000 min  
Response: 235057168  
Conc: 48.38 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



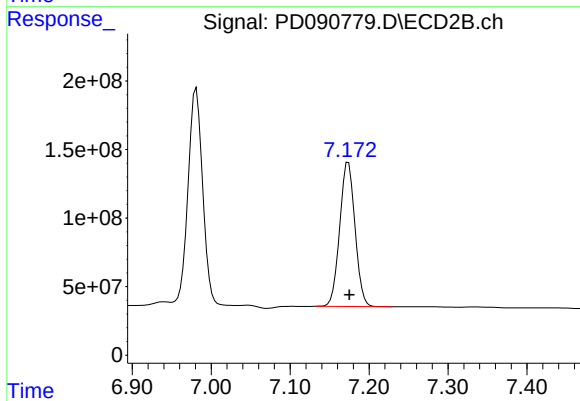
#21 Endrin ketone

R.T.: 6.981 min  
Delta R.T.: -0.002 min  
Response: 1977631813  
Conc: 52.43 ng/ml



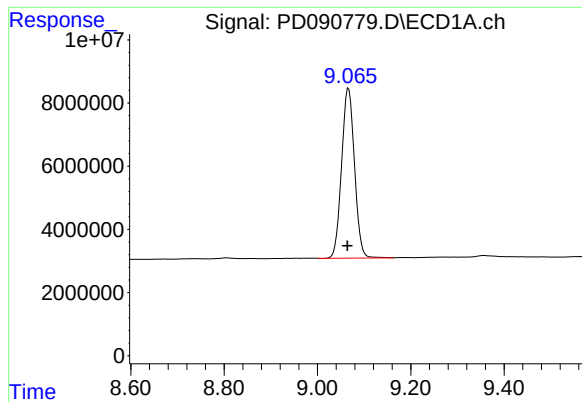
#22 Mirex

R.T.: 8.109 min  
Delta R.T.: 0.001 min  
Response: 161070093  
Conc: 50.32 ng/ml



#22 Mirex

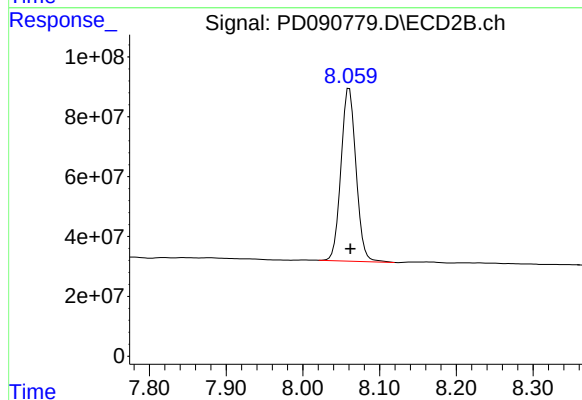
R.T.: 7.174 min  
Delta R.T.: -0.002 min  
Response: 1416825413  
Conc: 55.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min  
Delta R.T.: 0.003 min  
Response: 103249055  
Conc: 22.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170213BS



#28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.001 min  
Response: 787158193  
Conc: 25.99 ng/ml





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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/17/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/17/25      |
| Client Sample ID:  | PR132-S07-000102-20251017MS                      |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | Q3395-03MS                                       |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 47.9          |
| Sample Wt/Vol:     | 30.01 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          |                     | Prep Date:      | 10/23/25      |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 31.9  |      | 1  | 0.27     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 319-85-7          | beta-BHC             | 28.9  |      | 1  | 0.38     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 319-86-8          | delta-BHC            | 32.6  |      | 1  | 0.81     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 31.9  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 76-44-8           | Heptachlor           | 38.0  |      | 1  | 0.25     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 309-00-2          | Aldrin               | 32.6  |      | 1  | 0.25     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 33.3  |      | 1  | 0.40     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 959-98-8          | Endosulfan I         | 32.6  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 60-57-1           | Dieldrin             | 32.7  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 72-55-9           | 4,4-DDE              | 36.6  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 72-20-8           | Endrin               | 32.6  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 33213-65-9        | Endosulfan II        | 31.1  |      | 1  | 0.61     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 72-54-8           | 4,4-DDD              | 34.6  |      | 1  | 0.31     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 32.5  |      | 1  | 0.27     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 50-29-3           | 4,4-DDT              | 33.8  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 72-43-5           | Methoxychlor         | 33.5  |      | 1  | 0.77     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 53494-70-5        | Endrin ketone        | 33.7  |      | 1  | 0.40     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 32.9  |      | 1  | 0.77     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 36.2  |      | 1  | 0.25     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 31.6  |      | 1  | 0.31     | 3.50       | ug/kg   | 10/23/25 14:44 | PB170213 |
| 8001-35-2         | Toxaphene            | 68.9  | U    | 1  | 11.3     | 68.9       | ug/kg   | 10/23/25 14:44 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 15.5  |      |    | 20 - 144 | 77%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 15.5  |      |    | 19 - 148 | 78%        | SPK: 20 |                |          |

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\_D\Data\PD102325\  
 Data File : PD090784.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 14:44  
 Operator : AR\AJ  
 Sample : Q3395-03MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR132-S07-000102-20251017MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:14:11 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.543 | 2.874 | 44856288 | 461.6E6  | 14.404m | 15.502  |
| 28)                         | SA Decachlor... | 9.066 | 8.060 | 71092744 | 469.2E6  | 15.197  | 15.488  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.994 | 3.385 | 329.6E6  | 2105.2E6 | 45.923  | 41.201  |
| 3)                          | MA gamma-BHC... | 4.325 | 3.721 | 311.9E6  | 1982.5E6 | 45.882  | 41.960  |
| 4)                          | MA Heptachlor   | 4.923 | 4.074 | 305.3E6  | 2044.9E6 | 54.623  | 45.846  |
| 5)                          | MB Aldrin       | 5.264 | 4.359 | 306.3E6  | 1977.9E6 | 46.786  | 42.701  |
| 6)                          | B beta-BHC      | 4.512 | 4.016 | 105.1E6  | 824.5E6  | 40.118  | 41.579m |
| 7)                          | B delta-BHC     | 4.760 | 4.254 | 316.7E6  | 2090.7E6 | 46.832  | 43.814  |
| 8)                          | B Heptachlo...  | 5.683 | 4.863 | 277.1E6  | 1914.6E6 | 47.858m | 44.903  |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 259.7E6  | 1513.6E6 | 46.910  | 38.426  |
| 10)                         | B gamma-Chl...  | 5.939 | 5.114 | 262.9E6  | 2041.5E6 | 44.330m | 45.418m |
| 11)                         | B alpha-Chl...  | 6.021 | 5.180 | 321.2E6  | 1920.0E6 | 51.965  | 44.508  |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.365 | 279.9E6  | 2109.2E6 | 52.553  | 48.114  |
| 13)                         | MA Dieldrin     | 6.341 | 5.503 | 273.8E6  | 1991.5E6 | 46.959  | 45.074  |
| 14)                         | MA Endrin       | 6.568 | 5.780 | 232.0E6  | 1726.4E6 | 46.833  | 42.633  |
| 15)                         | B Endosulfa...  | 6.781 | 6.069 | 223.5E6  | 1666.3E6 | 44.692  | 44.370m |
| 16)                         | A 4,4'-DDD      | 6.698 | 5.919 | 201.6E6  | 1555.1E6 | 49.728m | 42.678  |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.172 | 199.7E6  | 1558.8E6 | 48.571  | 44.445  |
| 18)                         | B Endrin al...  | 6.910 | 6.249 | 173.3E6  | 1234.3E6 | 47.327  | 44.570  |
| 19)                         | B Endosulfa...  | 7.144 | 6.472 | 216.9E6  | 1586.1E6 | 46.770  | 44.250  |
| 20)                         | A Methoxychlor  | 7.489 | 6.743 | 102.2E6  | 801.4E6  | 48.098  | 45.986  |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 235.6E6  | 1636.7E6 | 48.487  | 43.394  |
| 22)                         | Mirex           | 8.108 | 7.174 | 143.8E6  | 1115.8E6 | 44.941  | 43.431  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090784.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 14:44  
Operator : AR\AJ  
Sample : Q3395-03MS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

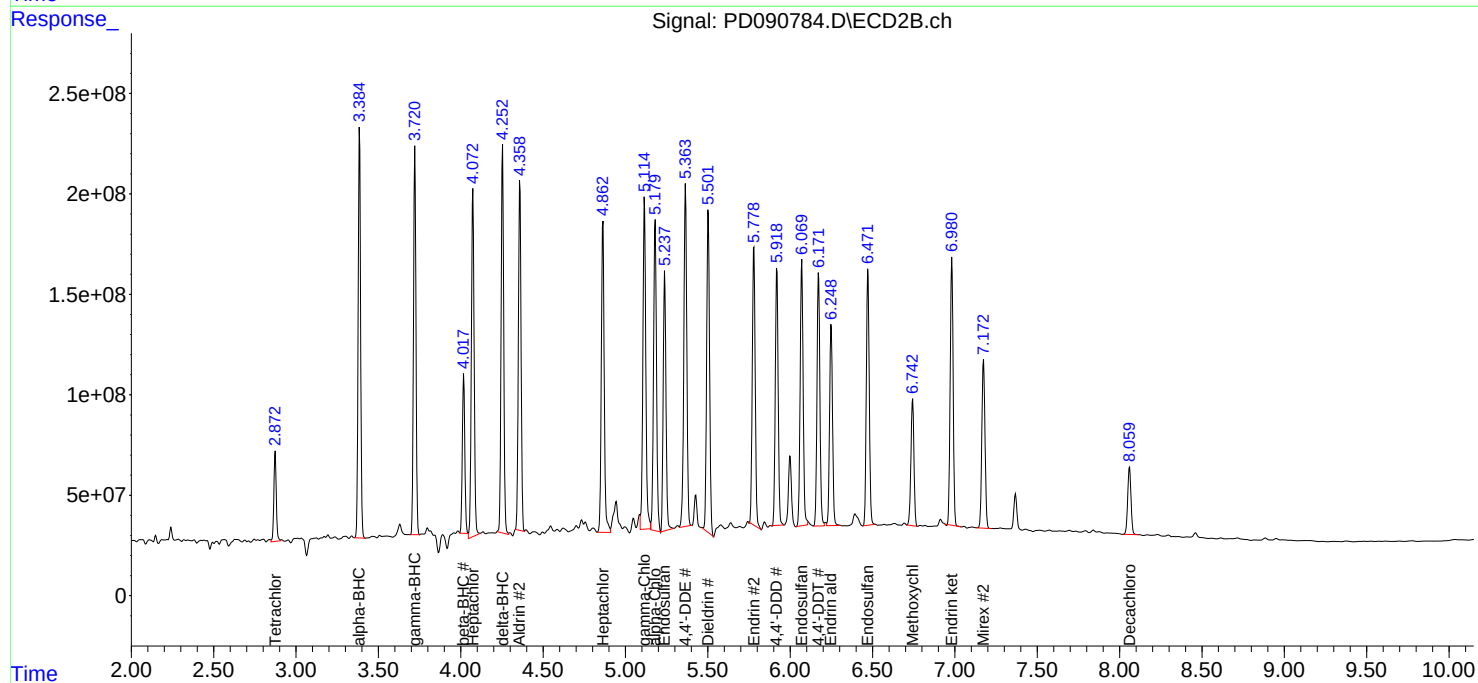
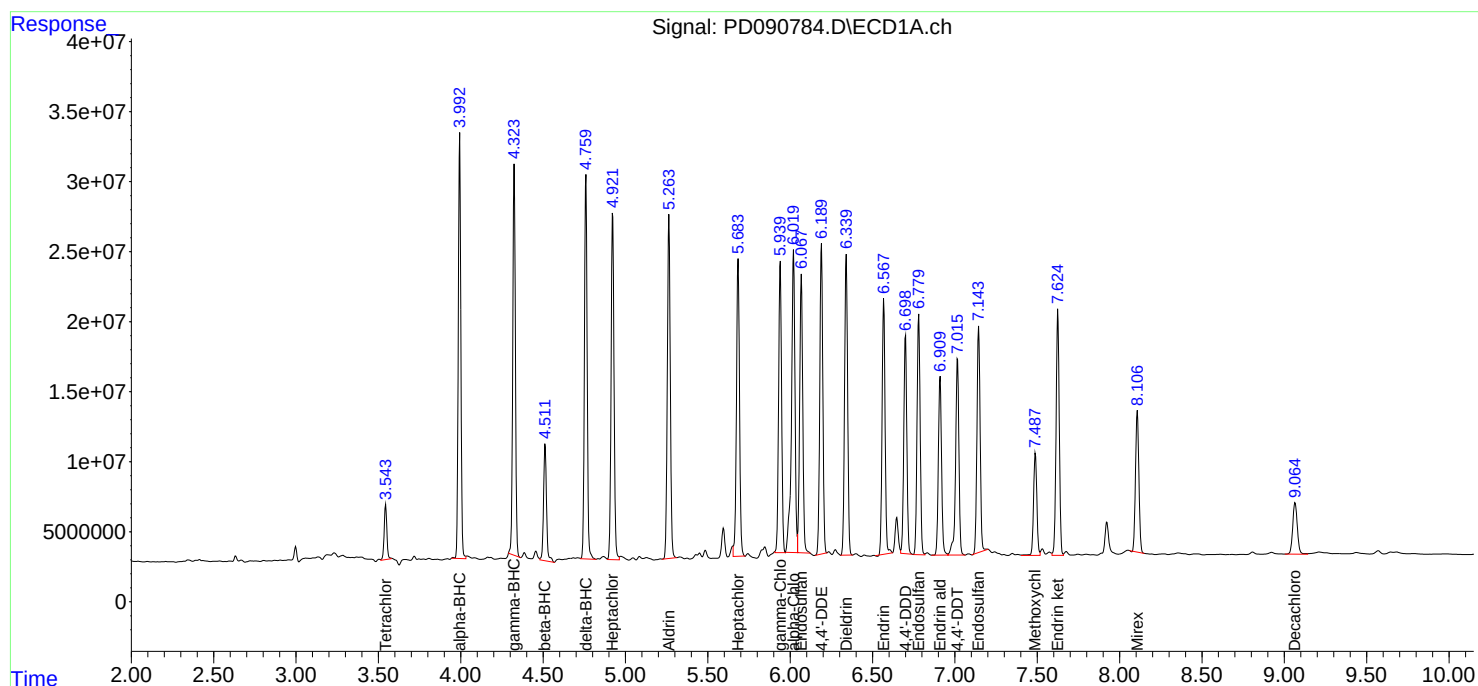
Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

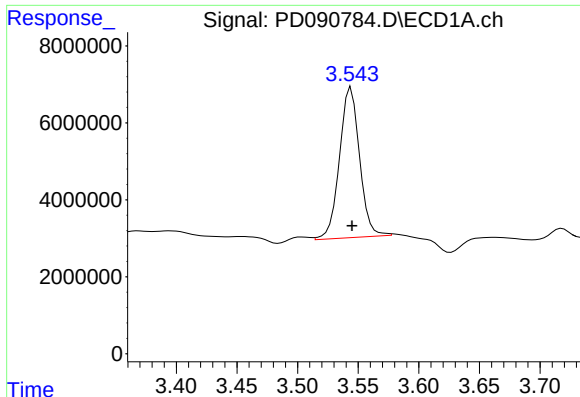
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:14:11 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 44856288  
Conc: 14.40 ng/ml

Instrument :

ECD\_D

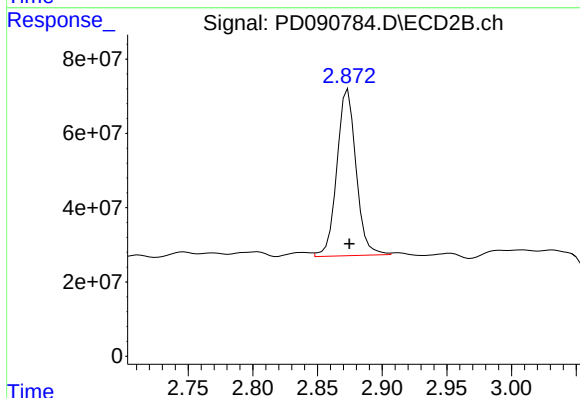
ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

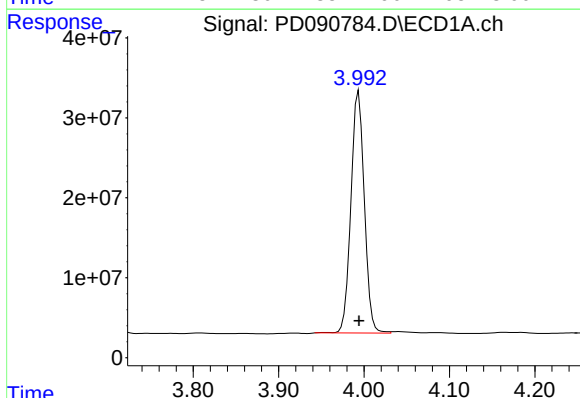
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



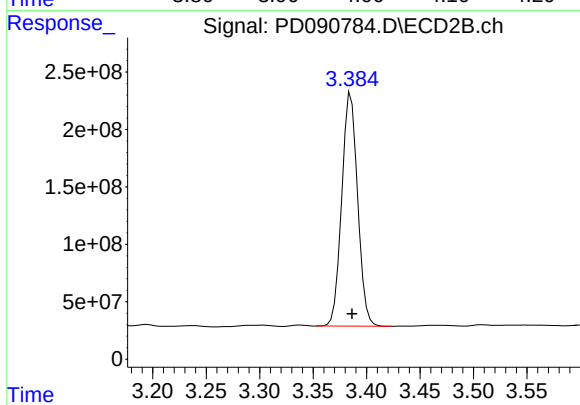
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: -0.001 min  
Response: 461607764  
Conc: 15.50 ng/ml



#2 alpha-BHC

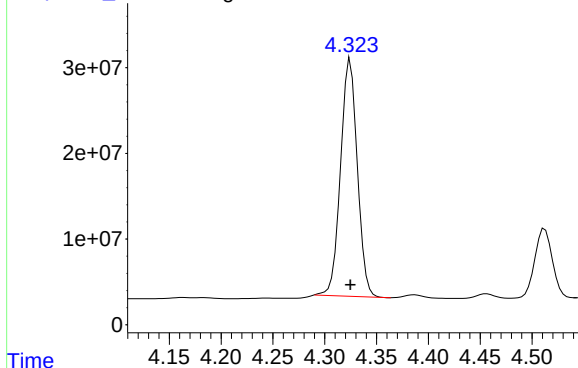
R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 329598835  
Conc: 45.92 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.001 min  
Response: 2105177045  
Conc: 41.20 ng/ml

Response\_ Signal: PD090784.D\ECD1A.ch



#3 gamma-BHC (Lindane)

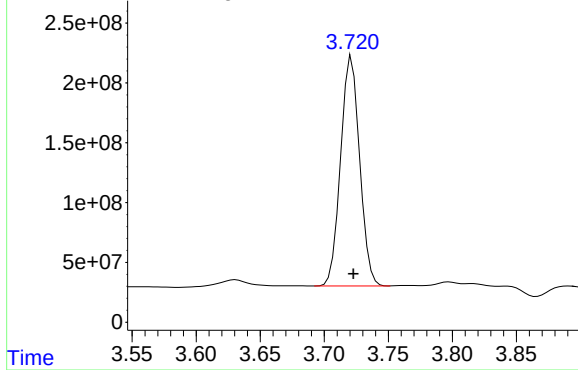
R.T.: 4.325 min  
Delta R.T.: 0.000 min  
Response: 311945728  
Conc: 45.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025

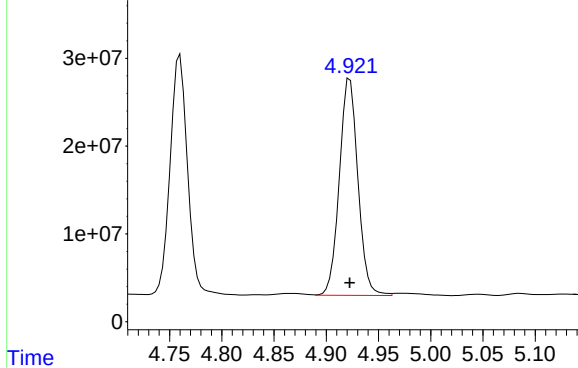
Response\_ Signal: PD090784.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.001 min  
Response: 1982545742  
Conc: 41.96 ng/ml

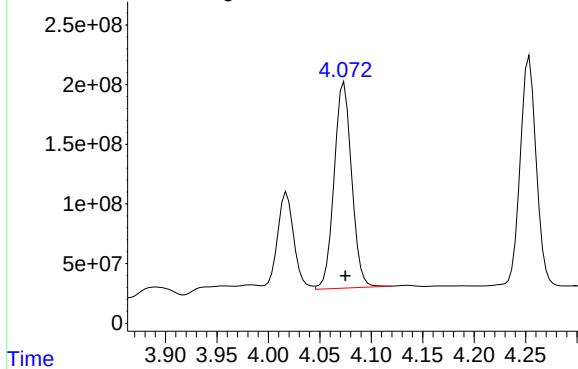
Response\_ Signal: PD090784.D\ECD1A.ch



#4 Heptachlor

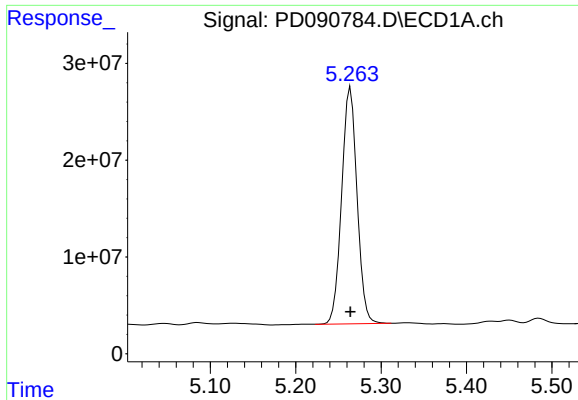
R.T.: 4.923 min  
Delta R.T.: 0.000 min  
Response: 305315908  
Conc: 54.62 ng/ml

Response\_ Signal: PD090784.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: -0.001 min  
Response: 2044879531  
Conc: 45.85 ng/ml



#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 306320090  
Conc: 46.79 ng/ml

Instrument :

ECD\_D

ClientSampleId :

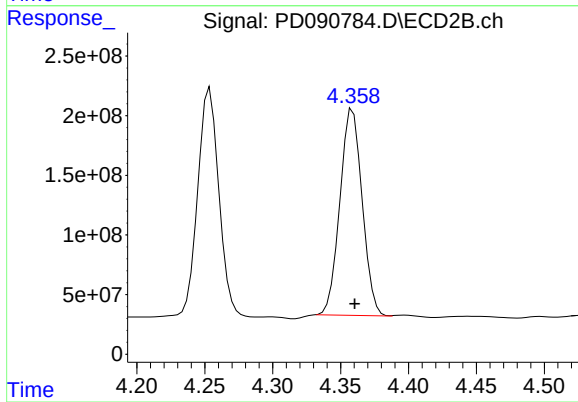
PR132-S07-000102-20251017MS

Manual Integrations

APPROVED

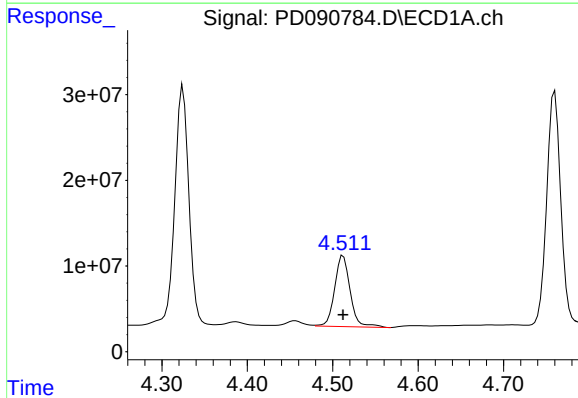
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



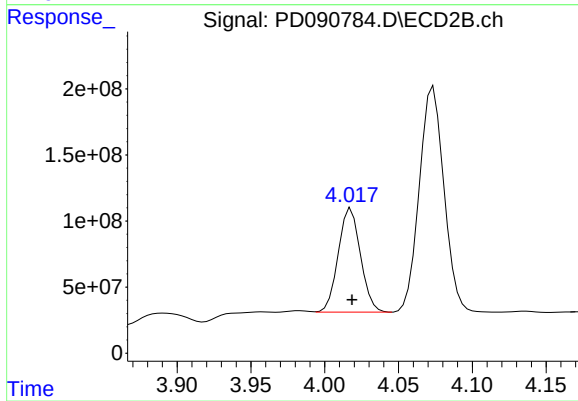
#5 Aldrin

R.T.: 4.359 min  
Delta R.T.: -0.002 min  
Response: 1977856256  
Conc: 42.70 ng/ml



#6 beta-BHC

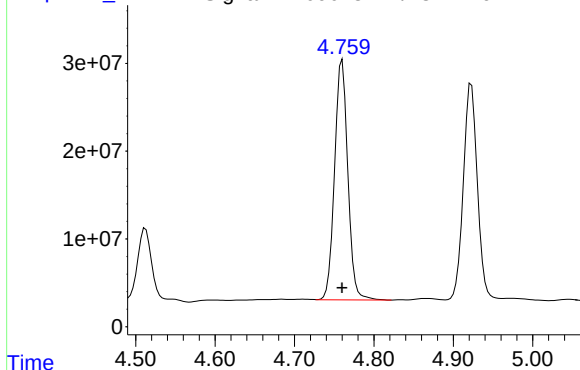
R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 105095517  
Conc: 40.12 ng/ml



#6 beta-BHC

R.T.: 4.016 min  
Delta R.T.: -0.002 min  
Response: 824495229  
Conc: 41.58 ng/ml m

Response\_ Signal: PD090784.D\ECD1A.ch



#7 delta-BHC

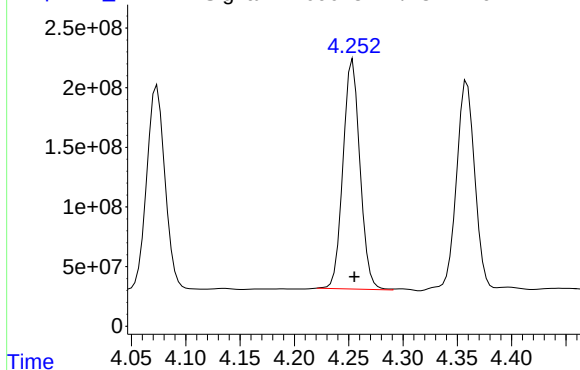
R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 316661802  
Conc: 46.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025

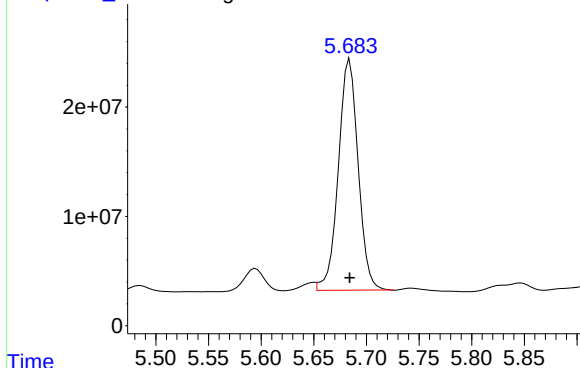
Response\_ Signal: PD090784.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.254 min  
Delta R.T.: -0.001 min  
Response: 2090674265  
Conc: 43.81 ng/ml

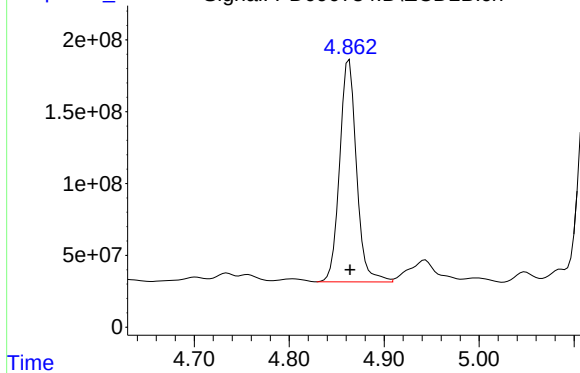
Response\_ Signal: PD090784.D\ECD1A.ch



#8 Heptachlor epoxide

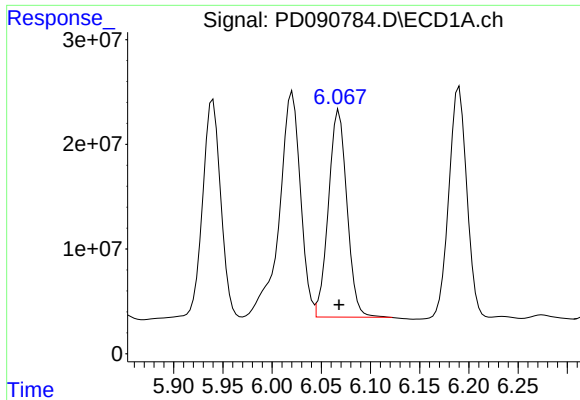
R.T.: 5.683 min  
Delta R.T.: -0.002 min  
Response: 277050674  
Conc: 47.86 ng/ml m

Response\_ Signal: PD090784.D\ECD2B.ch



#8 Heptachlor epoxide

R.T.: 4.863 min  
Delta R.T.: 0.000 min  
Response: 1914626134  
Conc: 44.90 ng/ml



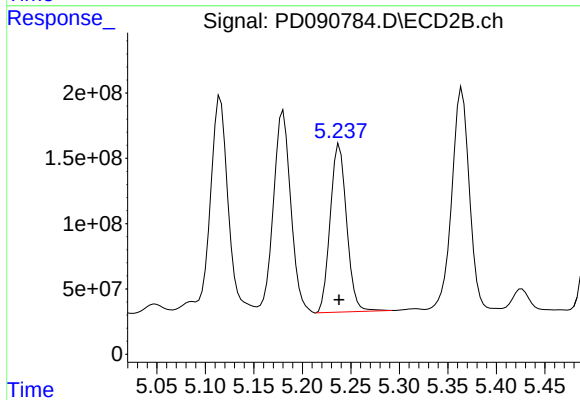
## #9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 259724837  
Conc: 46.91 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

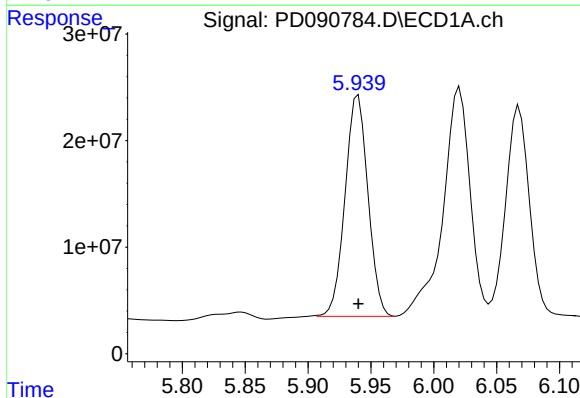
Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025



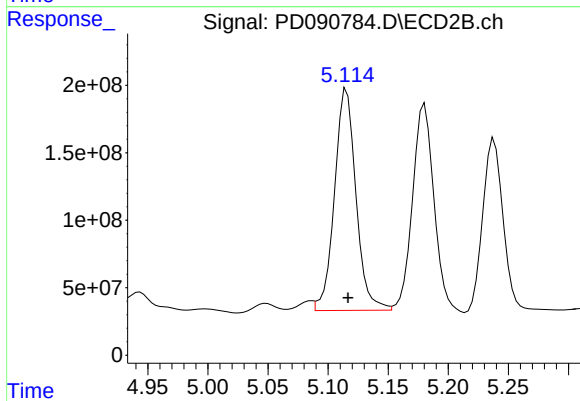
## #9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 1513623070  
Conc: 38.43 ng/ml



## #10 gamma-Chlordane

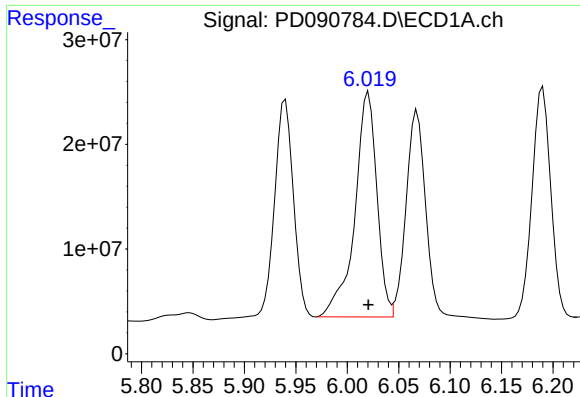
R.T.: 5.939 min  
Delta R.T.: -0.002 min  
Response: 262929123  
Conc: 44.33 ng/ml m



## #10 gamma-Chlordane

R.T.: 5.114 min  
Delta R.T.: -0.003 min  
Response: 2041483437  
Conc: 45.42 ng/ml m





#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: 0.000 min  
Response: 321157249  
Conc: 51.97 ng/ml

Instrument :

ECD\_D

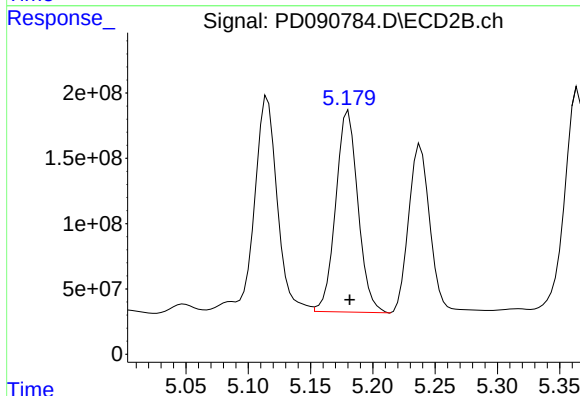
ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

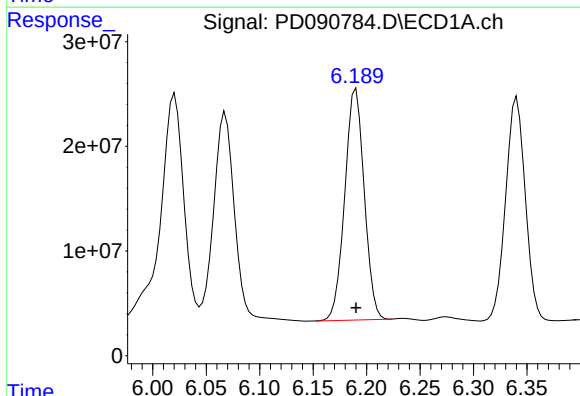
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Supervised By :mohammad ahmed 10/28/2025



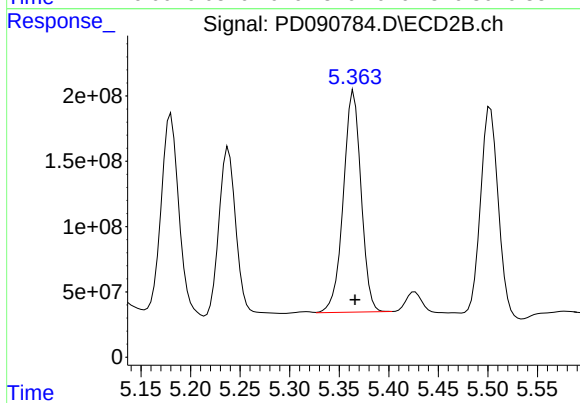
#11 alpha-Chlordane

R.T.: 5.180 min  
Delta R.T.: -0.001 min  
Response: 1919961285  
Conc: 44.51 ng/ml



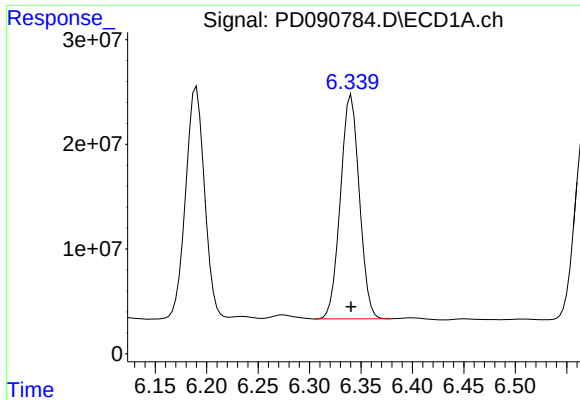
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 279931178  
Conc: 52.55 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min  
Delta R.T.: -0.001 min  
Response: 2109242120  
Conc: 48.11 ng/ml



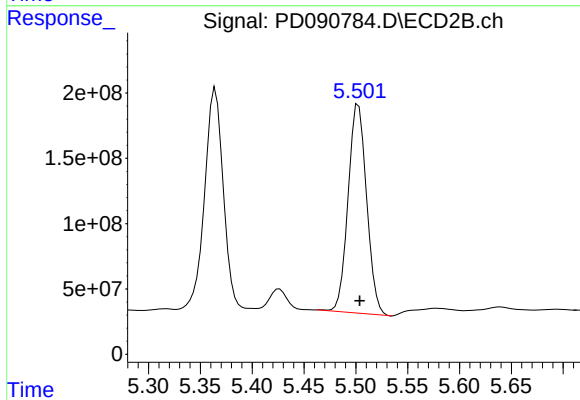
## #13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 273832337  
Conc: 46.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

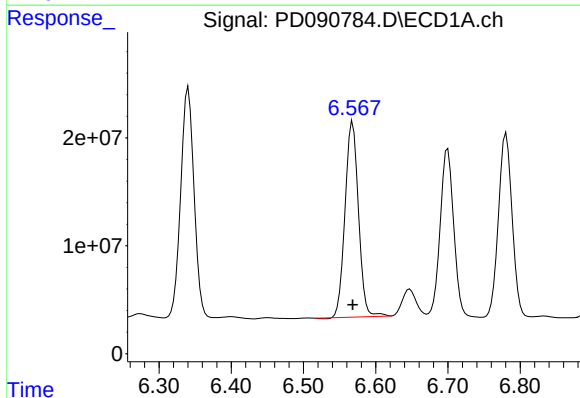
Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025



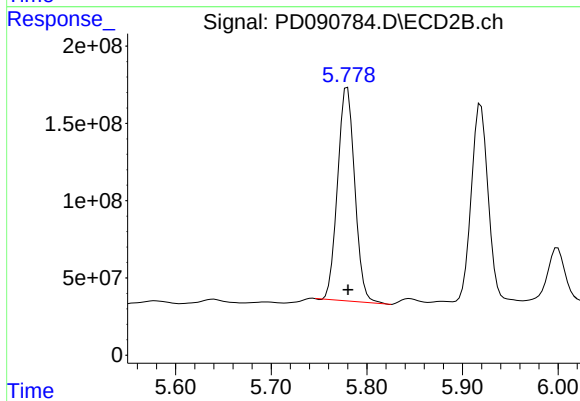
## #13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: -0.001 min  
Response: 1991526459  
Conc: 45.07 ng/ml



## #14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 231994926  
Conc: 46.83 ng/ml



## #14 Endrin

R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 1726384682  
Conc: 42.63 ng/ml

Response\_ Signal: PD090784.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 223456906  
Conc: 44.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

Manual Integrations  
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Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025

Time

Response\_ Signal: PD090784.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.069 min  
Delta R.T.: -0.003 min  
Response: 1666330296  
Conc: 44.37 ng/ml m

Time

Response\_ Signal: PD090784.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.698 min  
Delta R.T.: -0.002 min  
Response: 201608068  
Conc: 49.73 ng/ml m

Time

Response\_ Signal: PD090784.D\ECD2B.ch

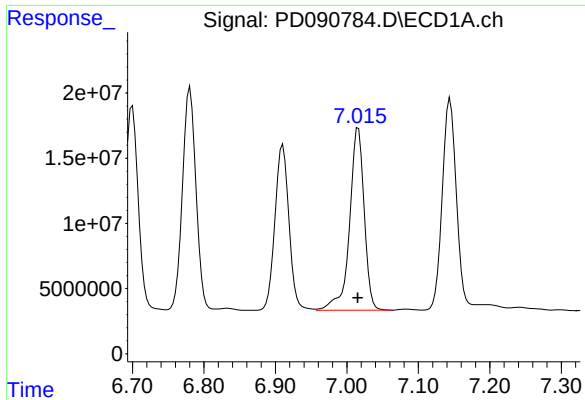
#16 4,4'-DDD

R.T.: 5.919 min  
Delta R.T.: -0.002 min  
Response: 1555114567  
Conc: 42.68 ng/ml

Time

Response\_ Signal: PD090784.D\ECD1A.ch

Time



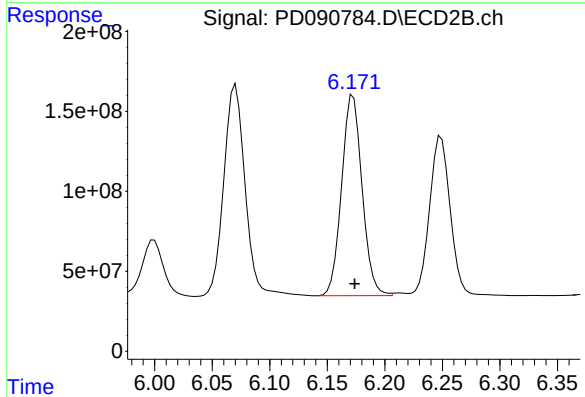
#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 199650061  
Conc: 48.57 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

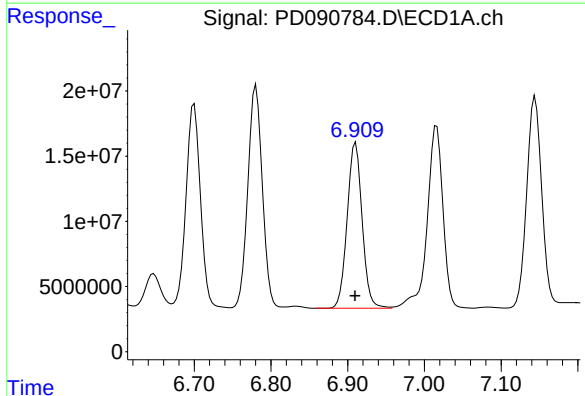
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Supervised By :mohammad ahmed 10/28/2025



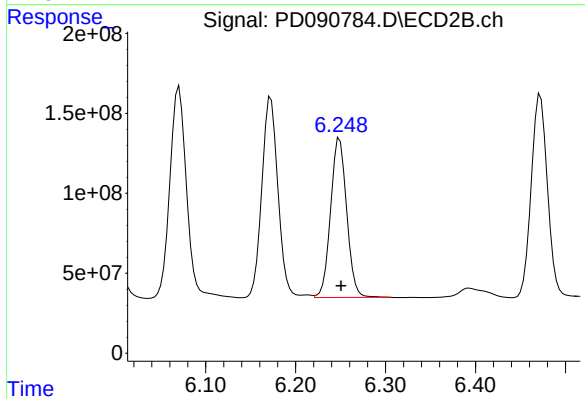
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 1558824891  
Conc: 44.45 ng/ml



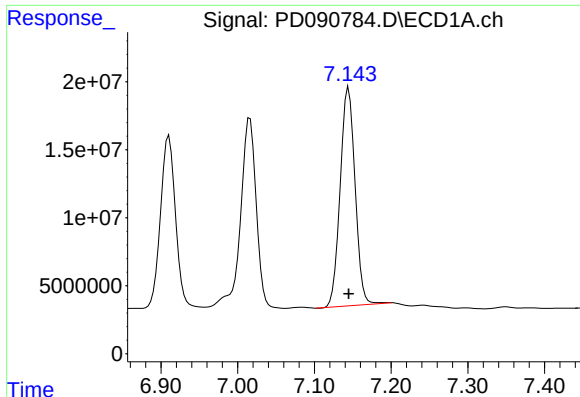
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 173344177  
Conc: 47.33 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min  
Delta R.T.: -0.001 min  
Response: 1234263441  
Conc: 44.57 ng/ml



## #19 Endosulfan Sulfate

R.T.: 7.144 min  
Delta R.T.: 0.000 min  
Response: 216927199  
Conc: 46.77 ng/ml

Instrument :

ECD\_D

ClientSampleId :

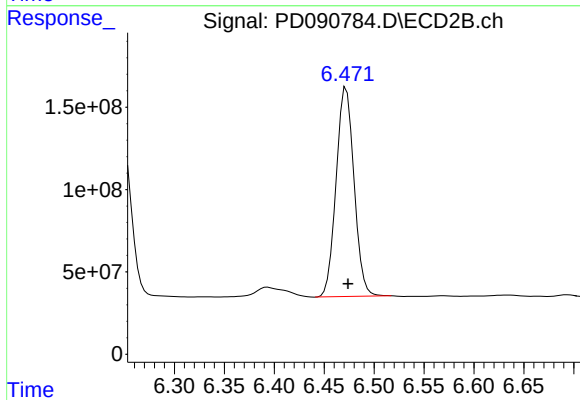
PR132-S07-000102-20251017MS

## Manual Integrations

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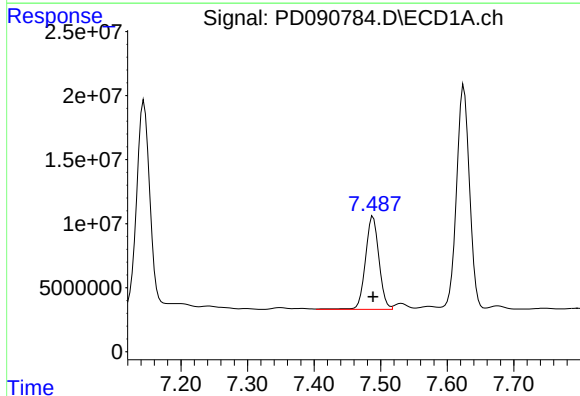
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



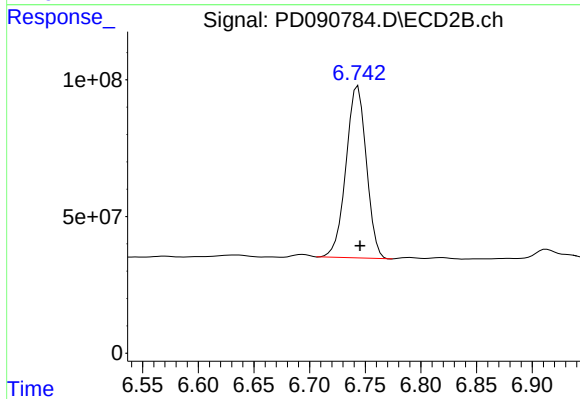
## #19 Endosulfan Sulfate

R.T.: 6.472 min  
Delta R.T.: -0.002 min  
Response: 1586131179  
Conc: 44.25 ng/ml



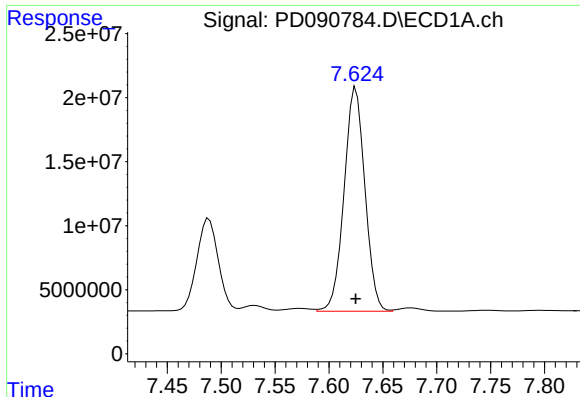
## #20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 102237249  
Conc: 48.10 ng/ml



## #20 Methoxychlor

R.T.: 6.743 min  
Delta R.T.: -0.002 min  
Response: 801442261  
Conc: 45.99 ng/ml



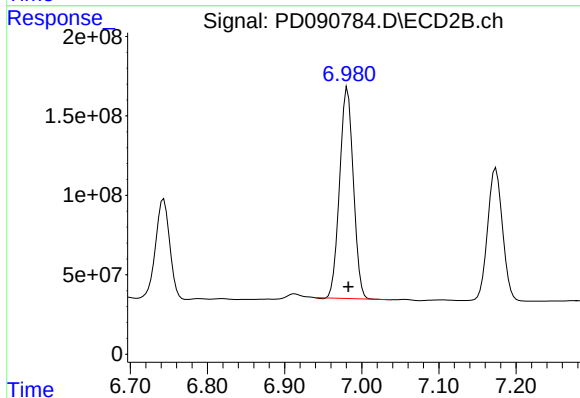
#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 235593156  
Conc: 48.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

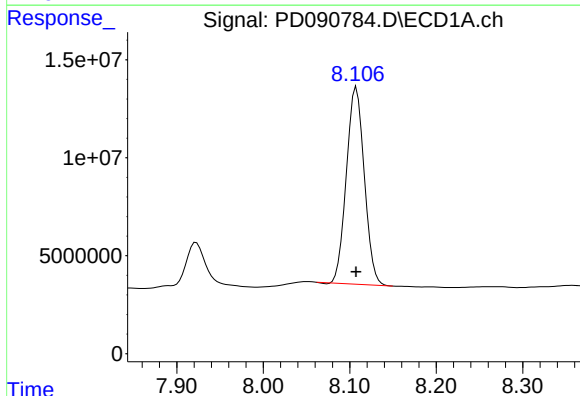
Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025



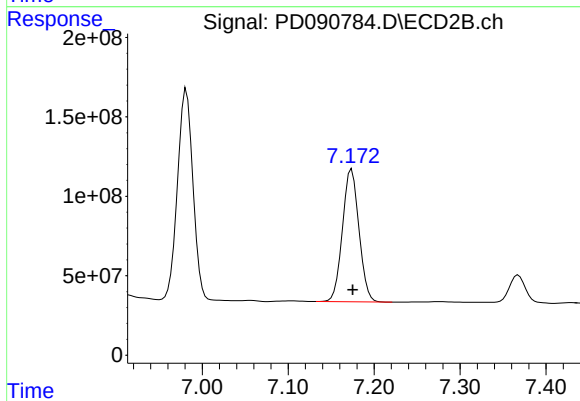
#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: -0.001 min  
Response: 1636742486  
Conc: 43.39 ng/ml



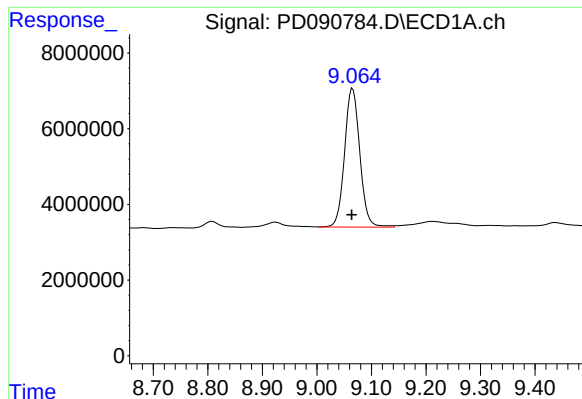
#22 Mirex

R.T.: 8.108 min  
Delta R.T.: 0.000 min  
Response: 143849597  
Conc: 44.94 ng/ml



#22 Mirex

R.T.: 7.174 min  
Delta R.T.: -0.001 min  
Response: 1115770067  
Conc: 43.43 ng/ml



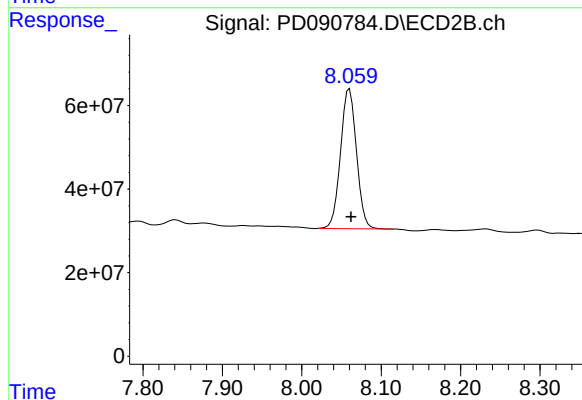
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.001 min  
Response: 71092744  
Conc: 15.20 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MS

Manual Integrations  
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Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 469150332  
Conc: 15.49 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/21/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/21/25      |
| Client Sample ID:  | PR-132-S16-015094-20251021MS                     |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | Q3419-02MS                                       |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 54.4          |
| Sample Wt/Vol:     | 30.08 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          |                     | Prep Date:      | 10/23/25      |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 24.4  |      | 1  | 0.24     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 319-85-7          | beta-BHC             | 25.6  |      | 1  | 0.33     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 319-86-8          | delta-BHC            | 19.1  |      | 1  | 0.72     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 20.0  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 76-44-8           | Heptachlor           | 30.9  |      | 1  | 0.22     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 309-00-2          | Aldrin               | 27.2  |      | 1  | 0.22     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 27.3  |      | 1  | 0.35     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 959-98-8          | Endosulfan I         | 26.9  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 60-57-1           | Dieldrin             | 27.8  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 72-55-9           | 4,4-DDE              | 27.4  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 72-20-8           | Endrin               | 26.6  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 33213-65-9        | Endosulfan II        | 26.6  |      | 1  | 0.53     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 72-54-8           | 4,4-DDD              | 27.8  |      | 1  | 0.28     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 17.5  |      | 1  | 0.24     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 50-29-3           | 4,4-DDT              | 26.4  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 72-43-5           | Methoxychlor         | 25.9  |      | 1  | 0.68     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 53494-70-5        | Endrin ketone        | 27.7  |      | 1  | 0.35     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 20.6  |      | 1  | 0.68     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 26.4  |      | 1  | 0.22     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 27.4  |      | 1  | 0.28     | 3.10       | ug/kg   | 10/24/25 11:02 | PB170213 |
| 8001-35-2         | Toxaphene            | 60.5  | U    | 1  | 9.90     | 60.5       | ug/kg   | 10/24/25 11:02 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 12.6  |      |    | 20 - 144 | 63%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 12.6  |      |    | 19 - 148 | 63%        | SPK: 20 |                |          |

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\_D\Data\PD102425\  
 Data File : PD090811.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2025 11:02  
 Operator : AR\AJ  
 Sample : Q3419-02MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR-132-S16-015094-20251021MS

Manual Integrations  
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Reviewed By :Abdul Mirza 10/27/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 23:34:49 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.550 | 2.873 | 38633860 | 374.1E6  | 12.406m | 12.562  |
| 28) SA Decachlor...         | 9.073 | 8.062 | 57537588 | 380.4E6  | 12.300  | 12.559  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 4.001 | 3.385 | 286.2E6  | 1871.1E6 | 39.870  | 36.620  |
| 3) MA gamma-BHC...          | 4.332 | 3.722 | 222.6E6  | 1492.4E6 | 32.744  | 31.586  |
| 4) MA Heptachlor            | 4.930 | 4.074 | 282.4E6  | 1901.7E6 | 50.514  | 42.637  |
| 5) MB Aldrin                | 5.271 | 4.359 | 291.5E6  | 1915.6E6 | 44.527  | 41.356  |
| 6) B beta-BHC               | 4.520 | 4.018 | 109.1E6  | 830.1E6  | 41.634  | 41.861  |
| 7) B delta-BHC              | 4.768 | 4.254 | 211.2E6  | 1486.4E6 | 31.241  | 31.150  |
| 8) B Heptachlo...           | 5.691 | 4.863 | 258.7E6  | 1769.6E6 | 44.688m | 41.503  |
| 9) A Endosulfan I           | 6.076 | 5.238 | 243.9E6  | 1555.6E6 | 44.049  | 39.491  |
| 10) B gamma-Chl...          | 5.948 | 5.116 | 266.2E6  | 1955.8E6 | 44.877  | 43.511  |
| 11) B alpha-Chl...          | 6.028 | 5.181 | 266.7E6  | 1823.0E6 | 43.149  | 42.261  |
| 12) B 4,4'-DDE              | 6.198 | 5.366 | 238.5E6  | 1861.9E6 | 44.771  | 42.473  |
| 13) MA Dieldrin             | 6.349 | 5.503 | 265.4E6  | 1900.0E6 | 45.514  | 43.003  |
| 14) MA Endrin               | 6.576 | 5.780 | 215.4E6  | 1592.8E6 | 43.480  | 39.333  |
| 15) B Endosulfa...          | 6.789 | 6.070 | 217.7E6  | 1621.6E6 | 43.536  | 43.179m |
| 16) A 4,4'-DDD              | 6.707 | 5.920 | 184.2E6  | 1475.5E6 | 45.427m | 40.494  |
| 17) MA 4,4'-DDT             | 7.023 | 6.174 | 177.8E6  | 1463.0E6 | 43.246  | 41.713  |
| 18) B Endrin al...          | 6.917 | 6.250 | 123.6E6  | 883.9E6  | 33.750  | 31.918  |
| 19) B Endosulfa...          | 7.152 | 6.473 | 132.6E6  | 1003.9E6 | 28.596  | 28.006  |
| 20) A Methoxychlor          | 7.496 | 6.744 | 90082927 | 727.8E6  | 42.380  | 41.759  |
| 21) B Endrin ke...          | 7.633 | 6.982 | 220.5E6  | 1701.0E6 | 45.385  | 45.099  |
| 22) Mirex                   | 8.114 | 7.175 | 141.4E6  | 1130.5E6 | 44.162  | 44.004  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090811.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 11:02  
Operator : AR\AJ  
Sample : Q3419-02MS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

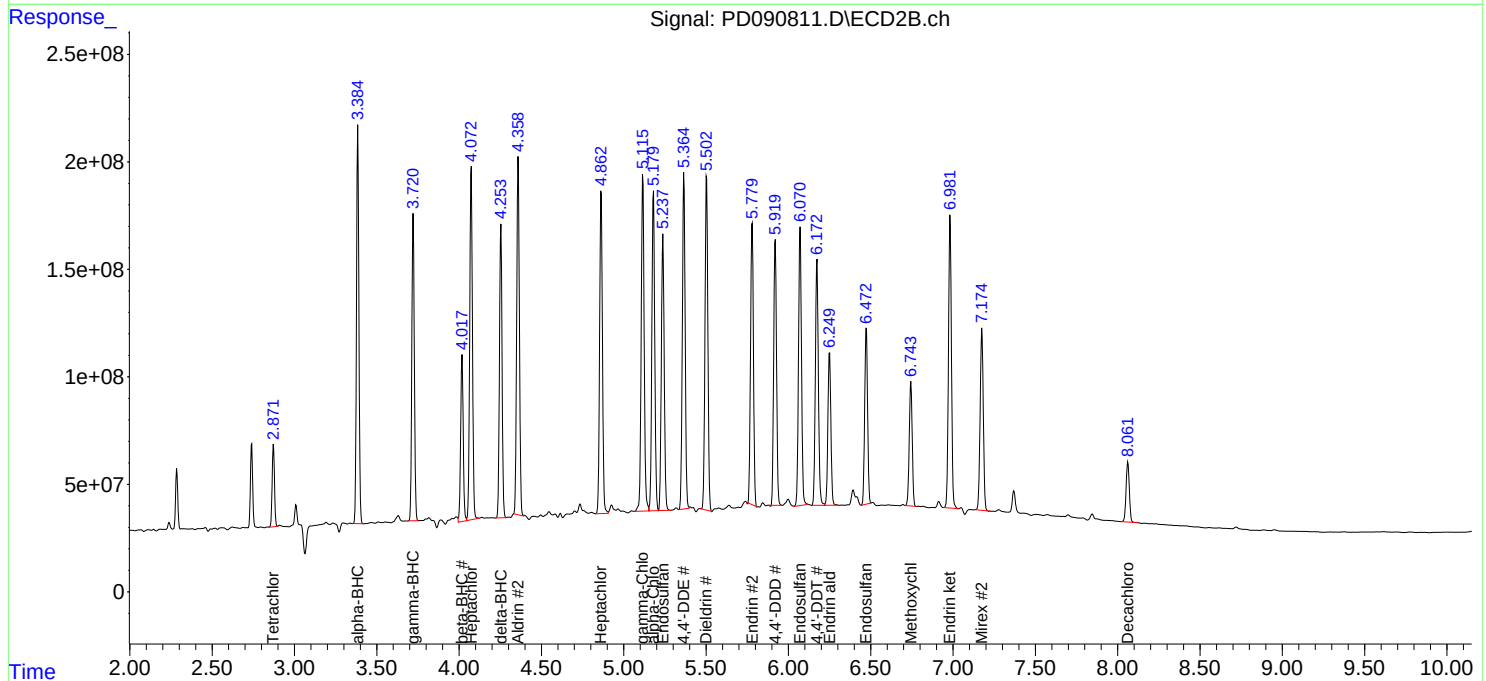
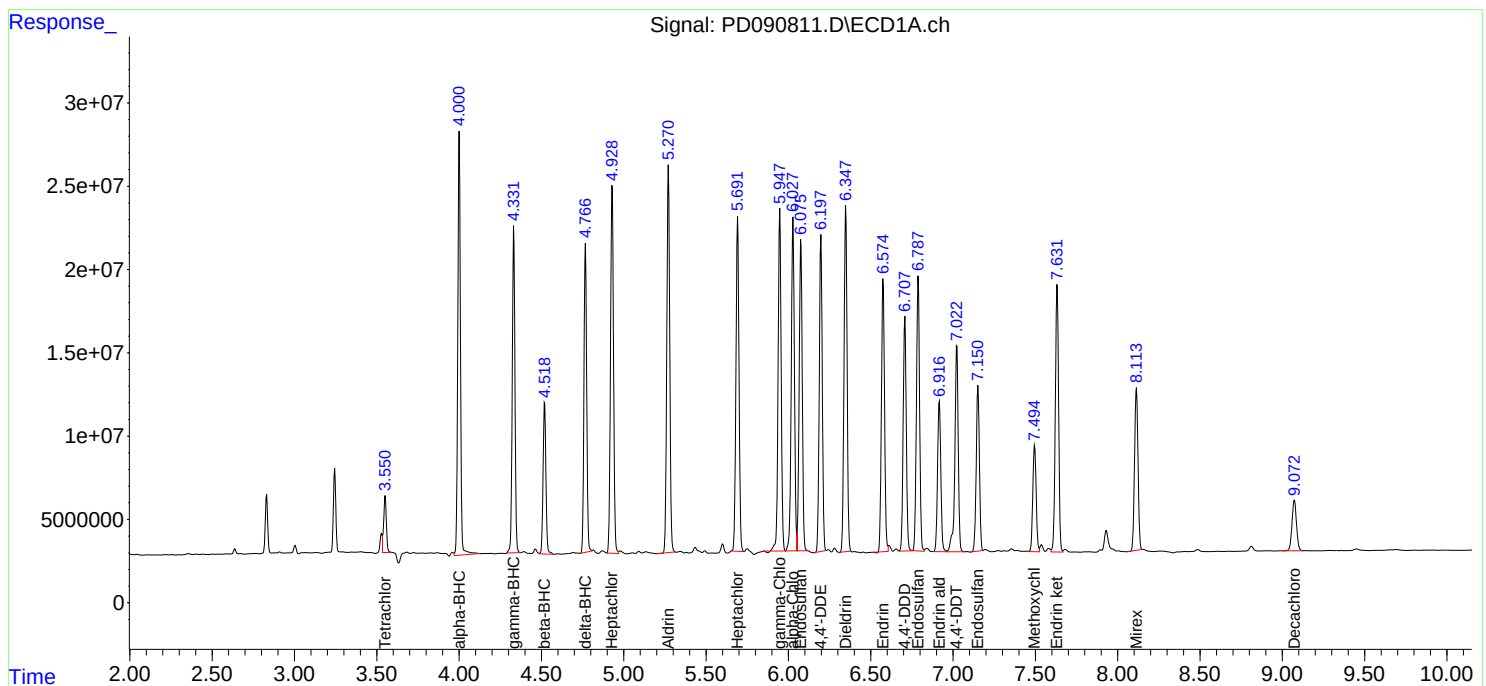
Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

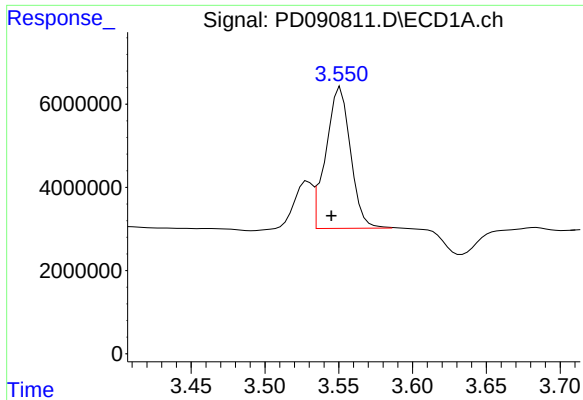
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:34:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
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 x 0.25µm





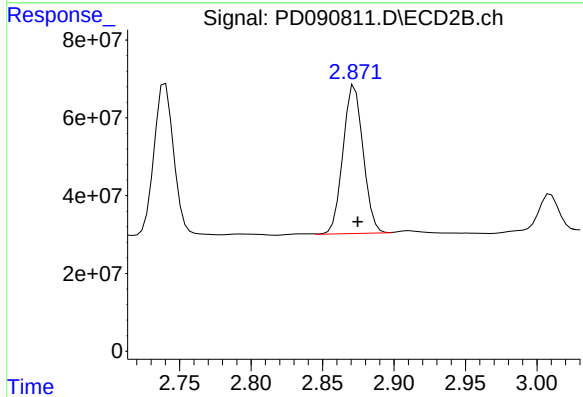
## #1 Tetrachloro-m-xylene

R.T.: 3.550 min  
Delta R.T.: 0.005 min  
Response: 38633860  
Conc: 12.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

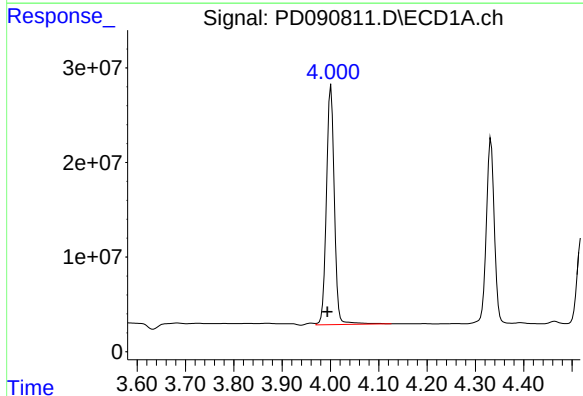
Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025



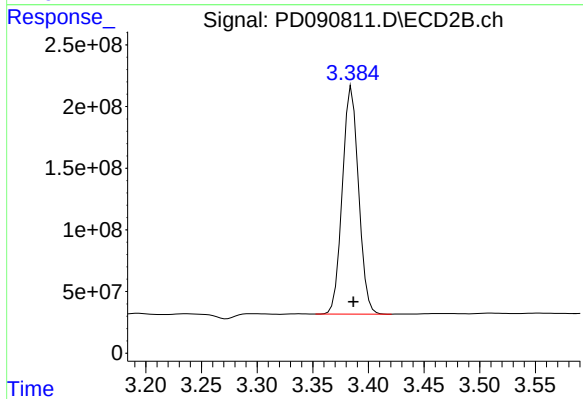
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.002 min  
Response: 374066149  
Conc: 12.56 ng/ml



## #2 alpha-BHC

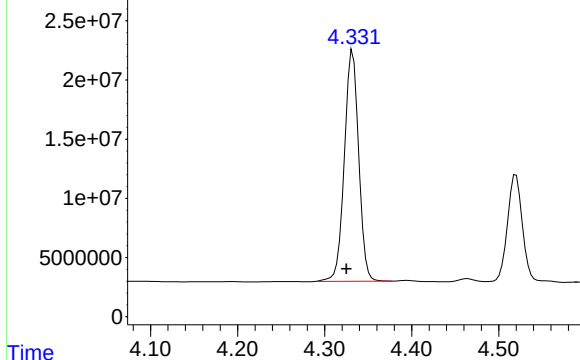
R.T.: 4.001 min  
Delta R.T.: 0.007 min  
Response: 286154038  
Conc: 39.87 ng/ml



## #2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.001 min  
Response: 1871116409  
Conc: 36.62 ng/ml

Response\_ Signal: PD090811.D\ECD1A.ch



#3 gamma-BHC (Lindane)

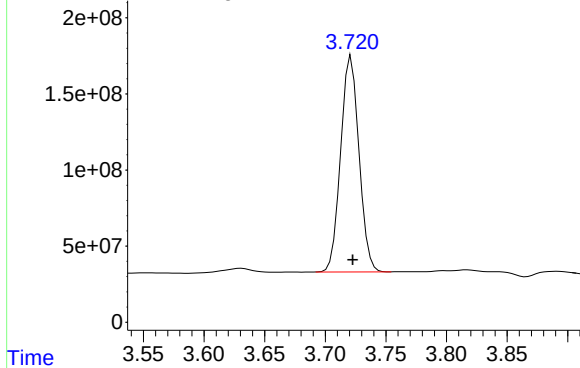
R.T.: 4.332 min  
Delta R.T.: 0.007 min  
Response: 222620219  
Conc: 32.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

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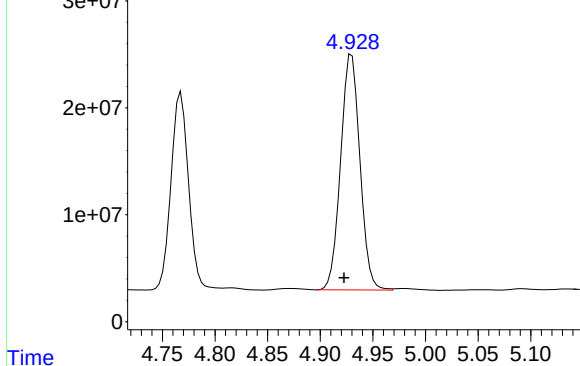
Response\_ Signal: PD090811.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: -0.001 min  
Response: 1492379007  
Conc: 31.59 ng/ml

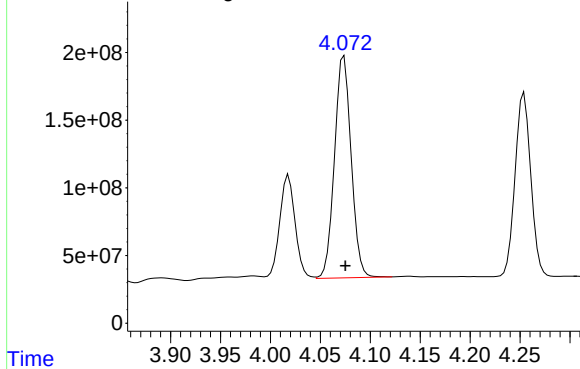
Response\_ Signal: PD090811.D\ECD1A.ch



#4 Heptachlor

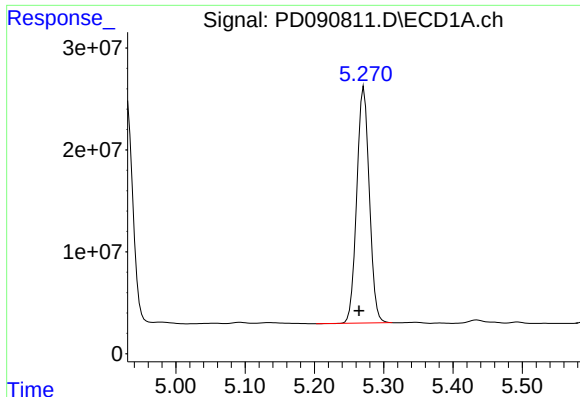
R.T.: 4.930 min  
Delta R.T.: 0.007 min  
Response: 282352497  
Conc: 50.51 ng/ml

Response\_ Signal: PD090811.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: -0.001 min  
Response: 1901721316  
Conc: 42.64 ng/ml



#5 Aldrin

R.T.: 5.271 min  
Delta R.T.: 0.007 min  
Response: 291529508  
Conc: 44.53 ng/ml

Instrument :

ECD\_D

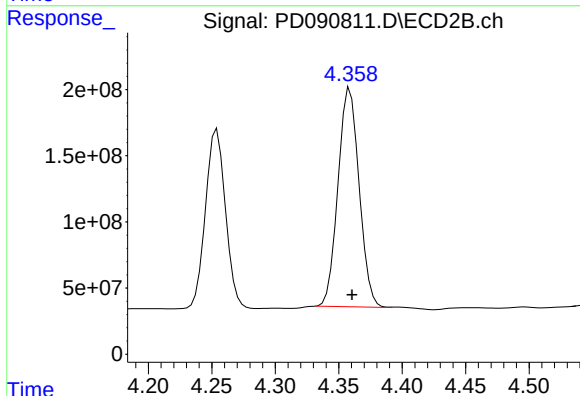
ClientSampleId :

PR-132-S16-015094-20251021MS

## Manual Integrations

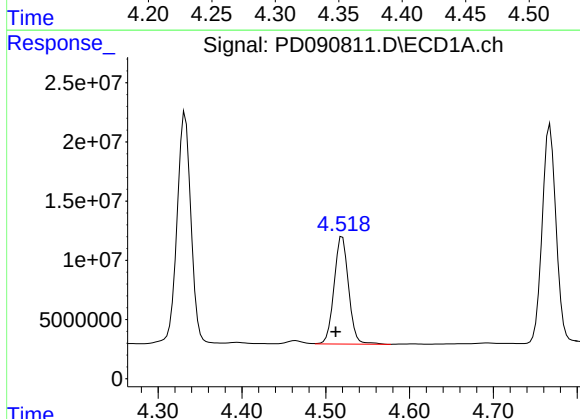
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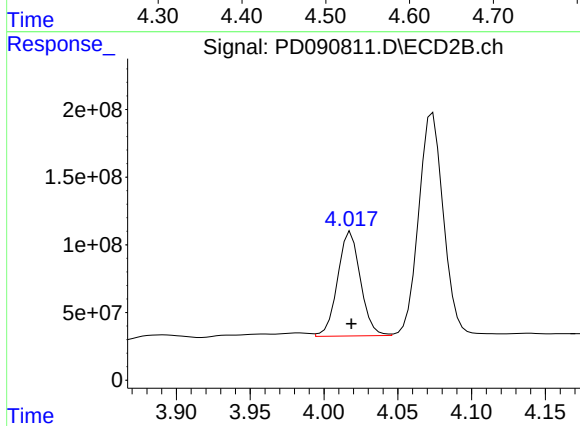
#5 Aldrin

R.T.: 4.359 min  
Delta R.T.: -0.002 min  
Response: 1915578424  
Conc: 41.36 ng/ml



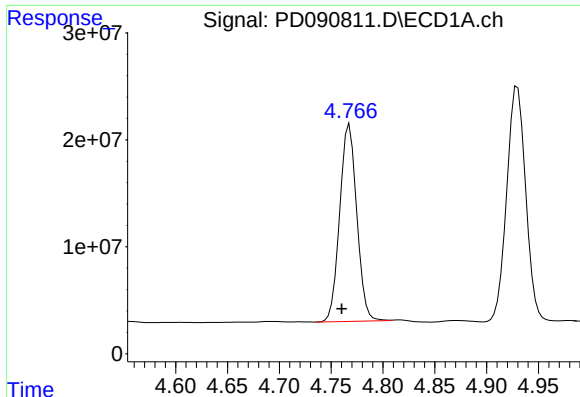
#6 beta-BHC

R.T.: 4.520 min  
Delta R.T.: 0.008 min  
Response: 109064741  
Conc: 41.63 ng/ml



#6 beta-BHC

R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 830085163  
Conc: 41.86 ng/ml



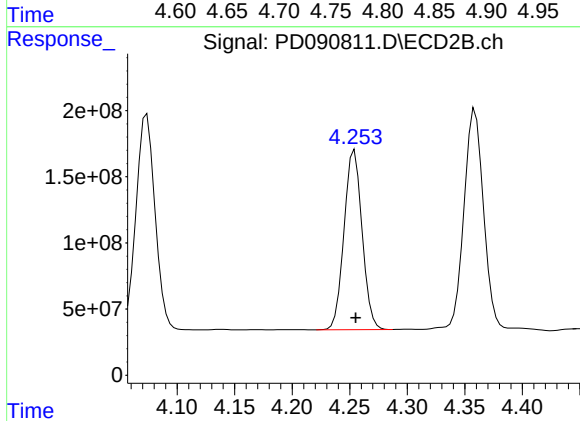
#7 delta-BHC

R.T.: 4.768 min  
Delta R.T.: 0.008 min  
Response: 211244308  
Conc: 31.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

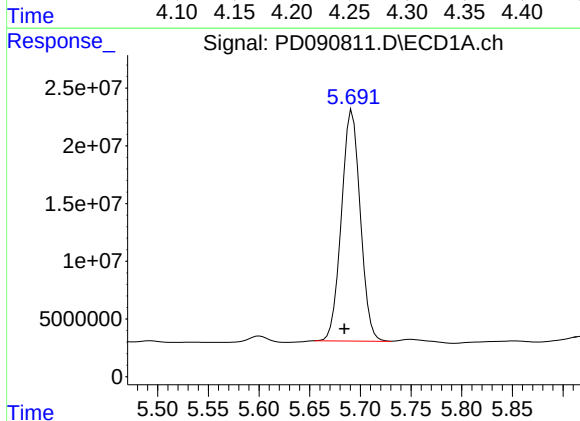
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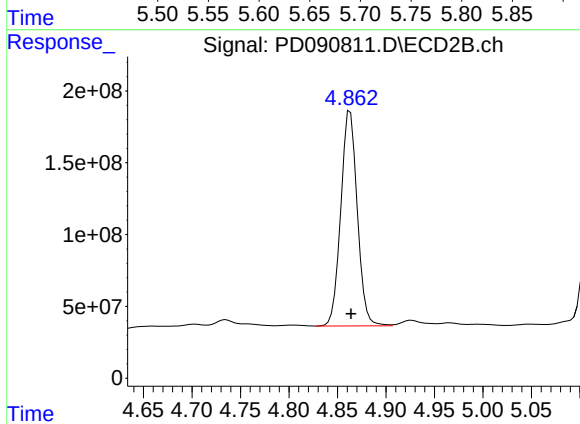
#7 delta-BHC

R.T.: 4.254 min  
Delta R.T.: -0.001 min  
Response: 1486352983  
Conc: 31.15 ng/ml



#8 Heptachlor epoxide

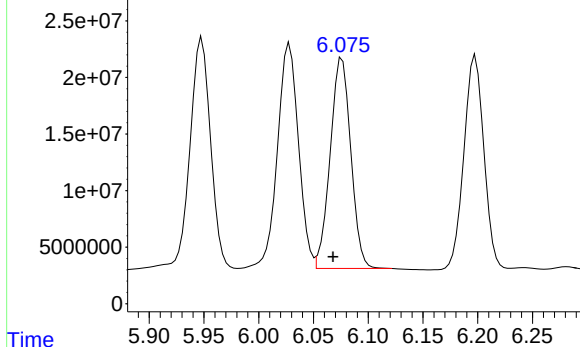
R.T.: 5.691 min  
Delta R.T.: 0.006 min  
Response: 258700523  
Conc: 44.69 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.863 min  
Delta R.T.: 0.000 min  
Response: 1769636692  
Conc: 41.50 ng/ml

Response\_ Signal: PD090811.D\ECD1A.ch



#9 Endosulfan I

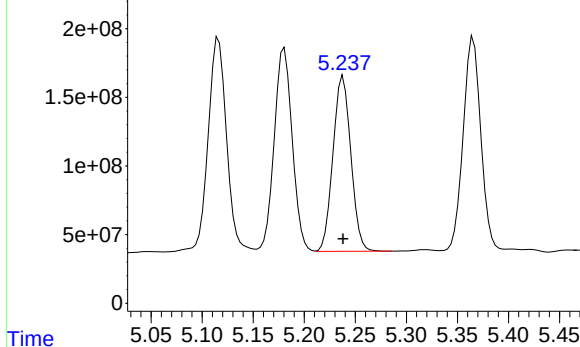
R.T.: 6.076 min  
Delta R.T.: 0.008 min  
Response: 243883830  
Conc: 44.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

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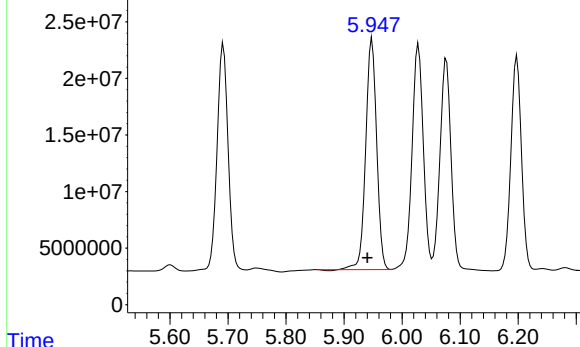
Response\_ Signal: PD090811.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 1555560318  
Conc: 39.49 ng/ml

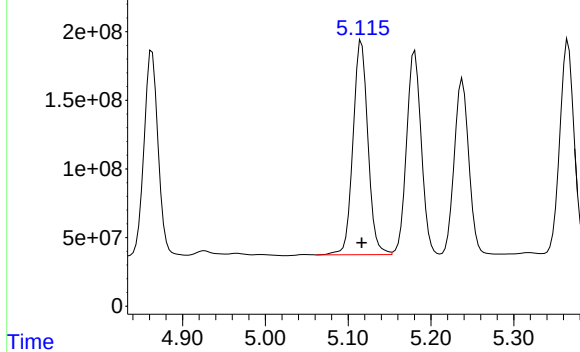
Response\_ Signal: PD090811.D\ECD1A.ch



#10 gamma-Chlordane

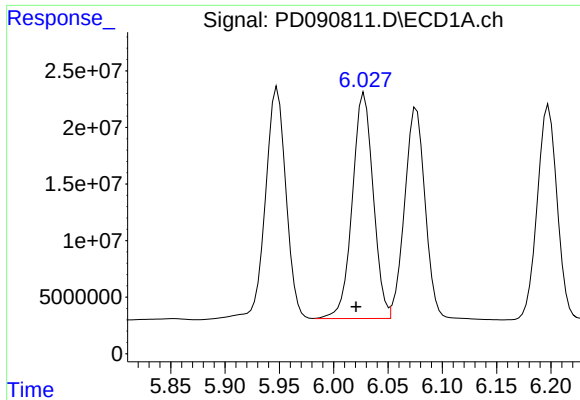
R.T.: 5.948 min  
Delta R.T.: 0.008 min  
Response: 266172909  
Conc: 44.88 ng/ml

Response\_ Signal: PD090811.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.116 min  
Delta R.T.: 0.000 min  
Response: 1955761320  
Conc: 43.51 ng/ml



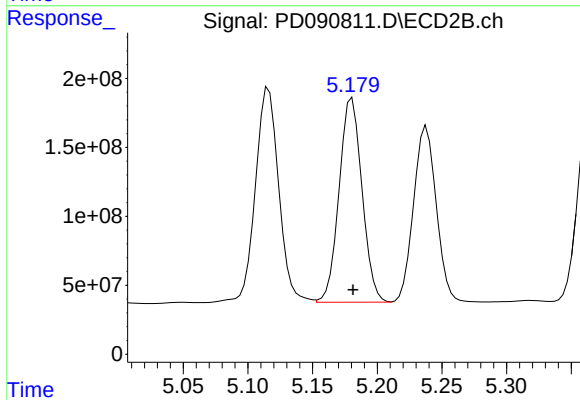
#11 alpha-Chlordane

R.T.: 6.028 min  
Delta R.T.: 0.008 min  
Response: 266669681  
Conc: 43.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

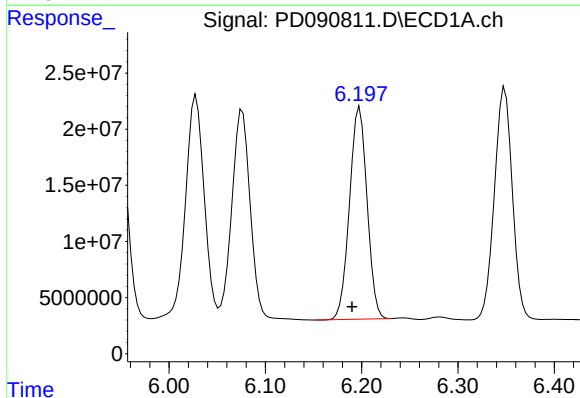
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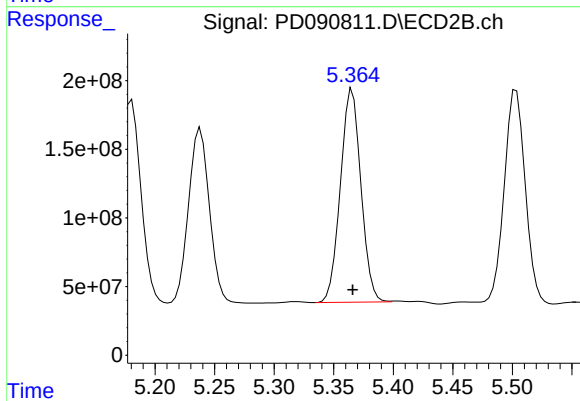
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 1823024047  
Conc: 42.26 ng/ml



#12 4,4'-DDE

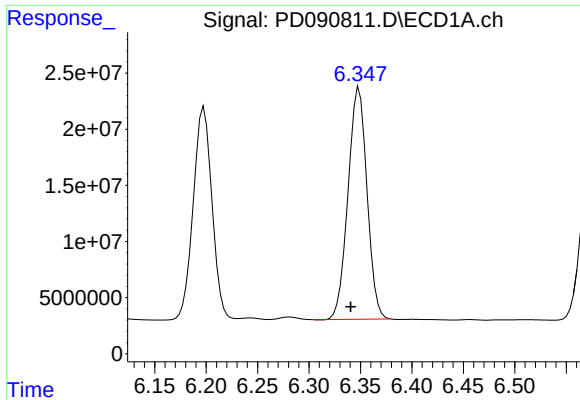
R.T.: 6.198 min  
Delta R.T.: 0.008 min  
Response: 238476523  
Conc: 44.77 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 1861944109  
Conc: 42.47 ng/ml





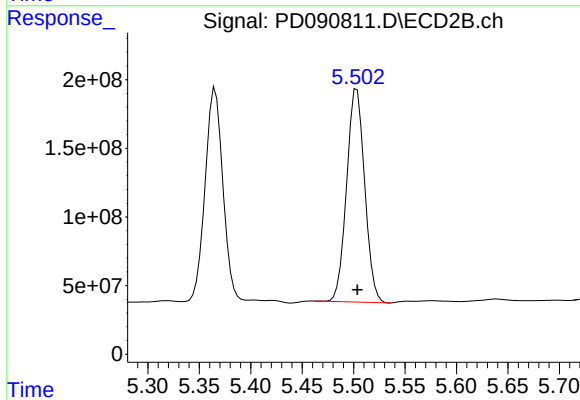
#13 Dieldrin

R.T.: 6.349 min  
 Delta R.T.: 0.008 min  
 Response: 265405299  
 Conc: 45.51 ng/ml

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR-132-S16-015094-20251021MS

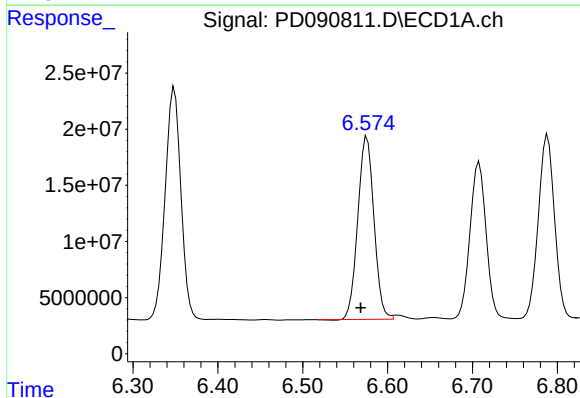
Manual Integrations  
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 Supervised By :mohammad ahmed 10/28/2025



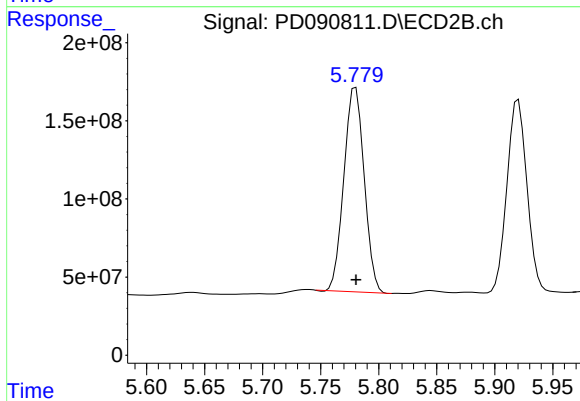
#13 Dieldrin

R.T.: 5.503 min  
 Delta R.T.: 0.000 min  
 Response: 1900043362  
 Conc: 43.00 ng/ml



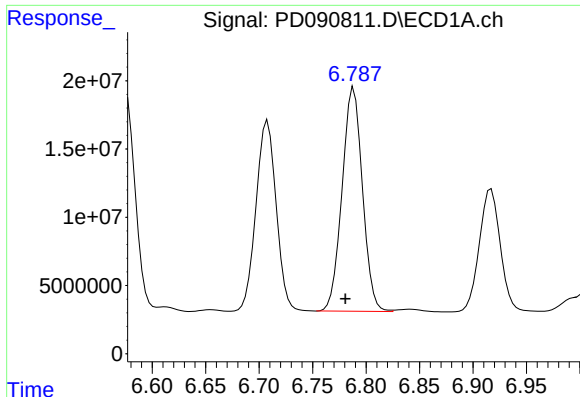
#14 Endrin

R.T.: 6.576 min  
 Delta R.T.: 0.008 min  
 Response: 215385940  
 Conc: 43.48 ng/ml



#14 Endrin

R.T.: 5.780 min  
 Delta R.T.: 0.000 min  
 Response: 1592761760  
 Conc: 39.33 ng/ml



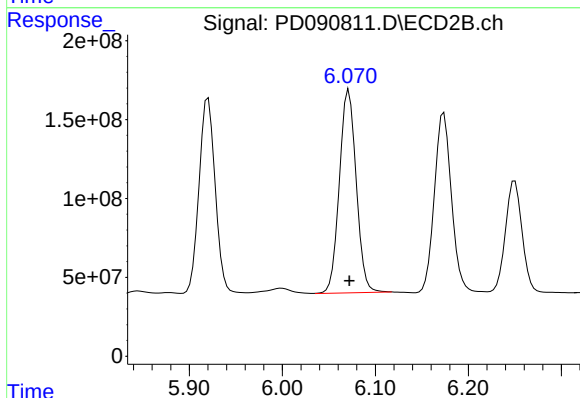
#15 Endosulfan II

R.T.: 6.789 min  
Delta R.T.: 0.008 min  
Response: 217677356  
Conc: 43.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

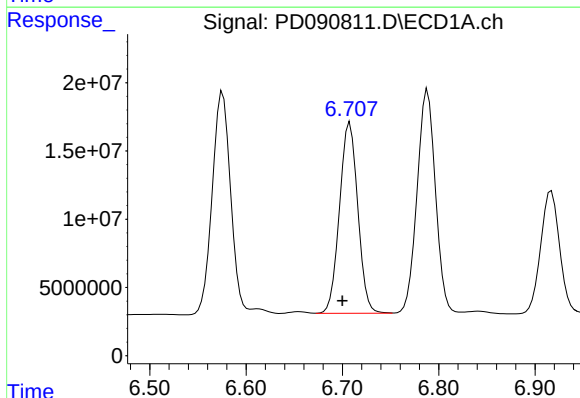
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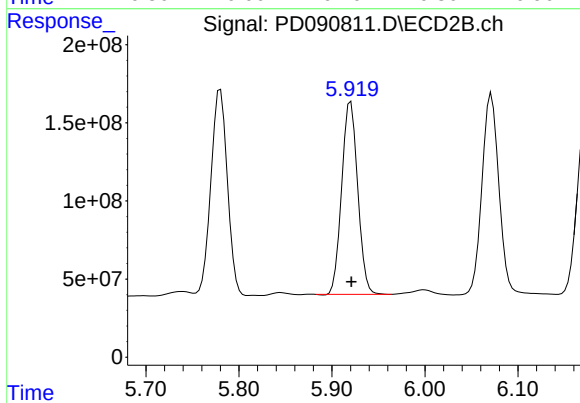
#15 Endosulfan II

R.T.: 6.070 min  
Delta R.T.: -0.002 min  
Response: 1621610503  
Conc: 43.18 ng/ml m



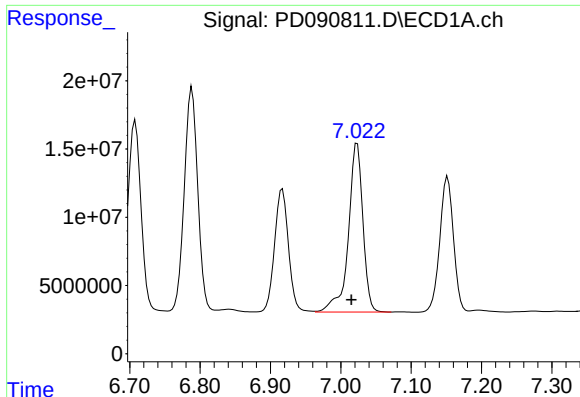
#16 4,4'-DDD

R.T.: 6.707 min  
Delta R.T.: 0.006 min  
Response: 184172456  
Conc: 45.43 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min  
Delta R.T.: 0.000 min  
Response: 1475534935  
Conc: 40.49 ng/ml



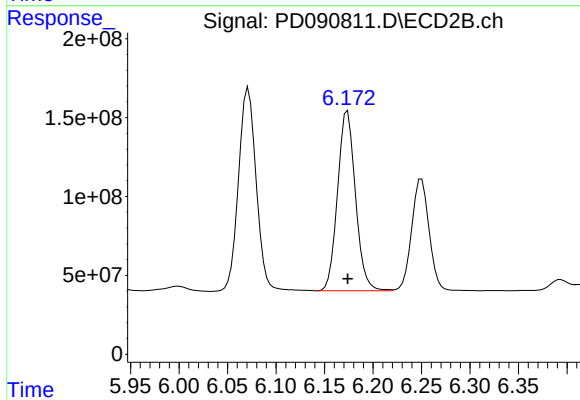
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.008 min  
Response: 177763159  
Conc: 43.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

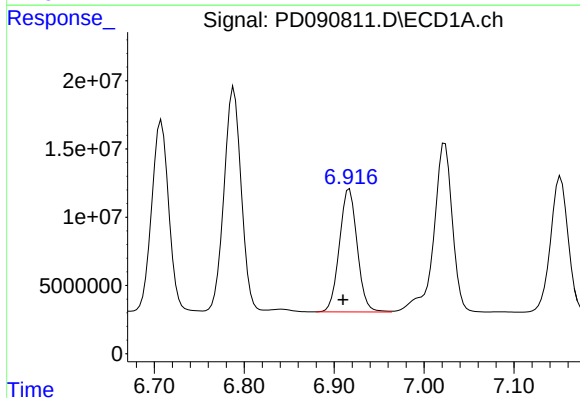
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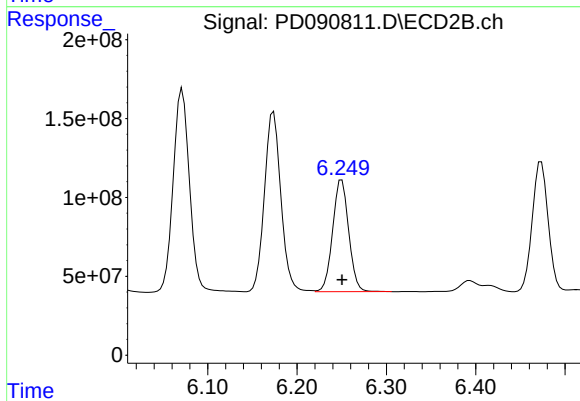
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 1462998466  
Conc: 41.71 ng/ml



#18 Endrin aldehyde

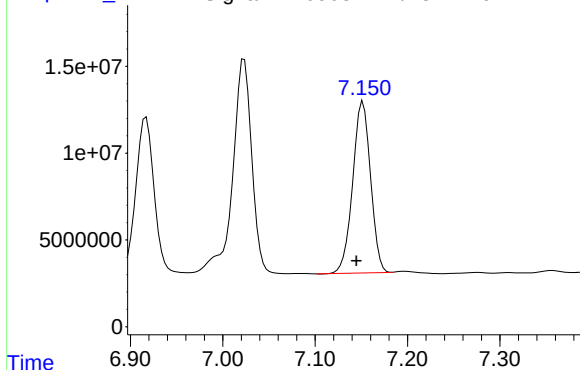
R.T.: 6.917 min  
Delta R.T.: 0.007 min  
Response: 123616529  
Conc: 33.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 883895418  
Conc: 31.92 ng/ml

Response\_ Signal: PD090811.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.152 min  
Delta R.T.: 0.007 min  
Response: 132631901  
Conc: 28.60 ng/ml

Instrument :

ECD\_D

ClientSampleId :

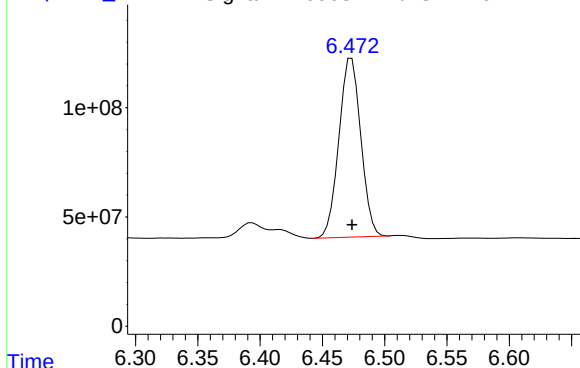
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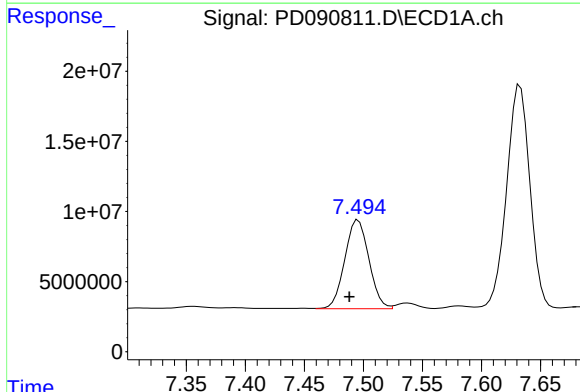
Response\_ Signal: PD090811.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 1003869968  
Conc: 28.01 ng/ml

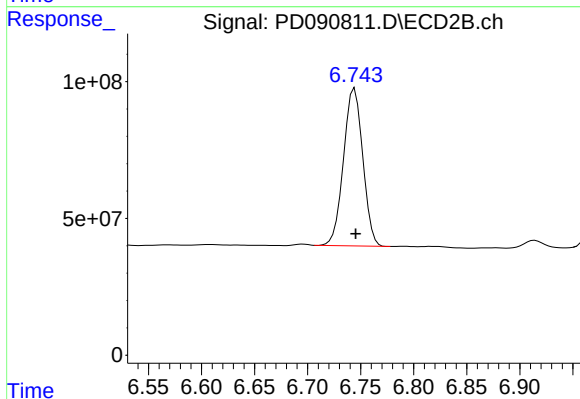
Response\_ Signal: PD090811.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.496 min  
Delta R.T.: 0.007 min  
Response: 90082927  
Conc: 42.38 ng/ml

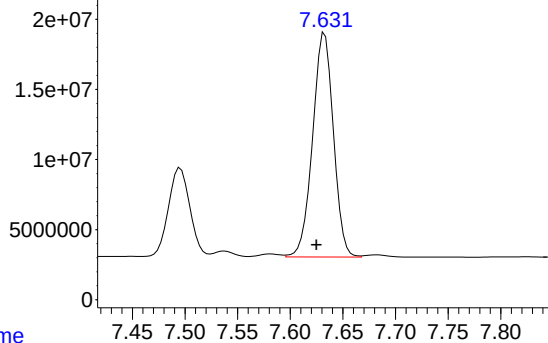
Response\_ Signal: PD090811.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.744 min  
Delta R.T.: 0.000 min  
Response: 727767702  
Conc: 41.76 ng/ml

Response\_ Signal: PD090811.D\ECD1A.ch



#21 Endrin ketone

R.T.: 7.633 min  
Delta R.T.: 0.008 min  
Response: 220519200  
Conc: 45.39 ng/ml

Instrument :

ECD\_D

ClientSampleId :

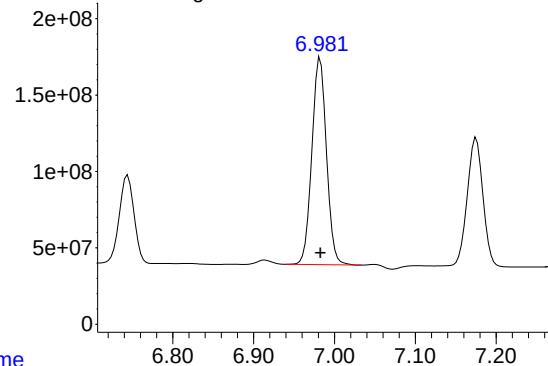
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Supervised By :mohammad ahmed 10/28/2025

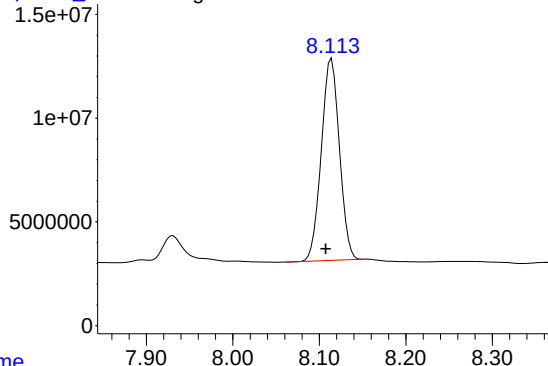
Time Response\_ Signal: PD090811.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: 0.000 min  
Response: 1701038323  
Conc: 45.10 ng/ml

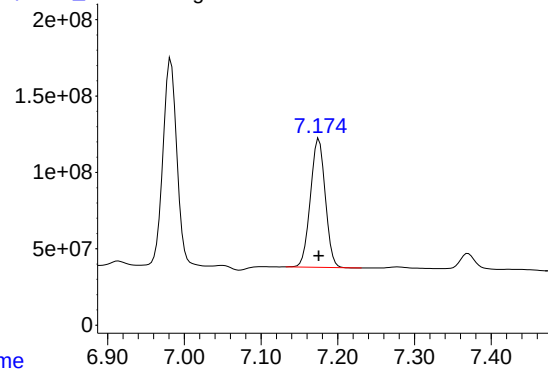
Time Response\_ Signal: PD090811.D\ECD1A.ch



#22 Mirex

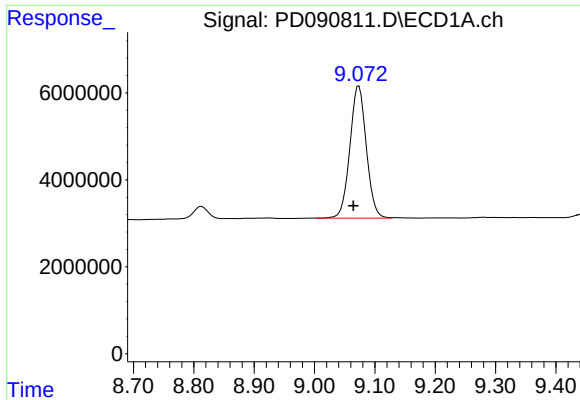
R.T.: 8.114 min  
Delta R.T.: 0.007 min  
Response: 141356407  
Conc: 44.16 ng/ml

Time Response\_ Signal: PD090811.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 1130508191  
Conc: 44.00 ng/ml



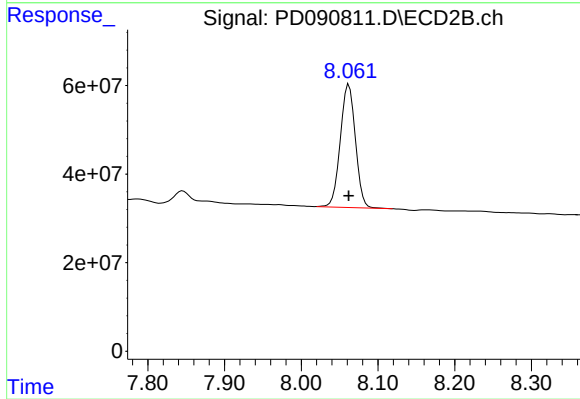
#28 Decachlorobiphenyl

R.T.: 9.073 min  
Delta R.T.: 0.009 min  
Response: 57537588  
Conc: 12.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 380421456  
Conc: 12.56 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/17/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/17/25      |
| Client Sample ID:  | PR132-S07-000102-20251017MSD                     |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | Q3395-04MSD                                      |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 47.9          |
| Sample Wt/Vol:     | 30.08 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          |                     | Prep Date:      | 10/23/25      |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 31.9  |      | 1  | 0.27     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 319-85-7          | beta-BHC             | 28.9  |      | 1  | 0.37     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 319-86-8          | delta-BHC            | 32.6  |      | 1  | 0.81     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 31.9  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 76-44-8           | Heptachlor           | 38.1  |      | 1  | 0.25     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 309-00-2          | Aldrin               | 32.6  |      | 1  | 0.25     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 32.4  |      | 1  | 0.40     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 959-98-8          | Endosulfan I         | 31.9  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 60-57-1           | Dieldrin             | 32.9  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 72-55-9           | 4,4-DDE              | 37.2  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 72-20-8           | Endrin               | 32.1  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 33213-65-9        | Endosulfan II        | 31.5  |      | 1  | 0.60     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 72-54-8           | 4,4-DDD              | 34.4  |      | 1  | 0.31     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 32.5  |      | 1  | 0.27     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 50-29-3           | 4,4-DDT              | 34.0  |      | 1  | 0.29     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 72-43-5           | Methoxychlor         | 33.2  |      | 1  | 0.77     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 53494-70-5        | Endrin ketone        | 34.1  |      | 1  | 0.40     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 32.8  |      | 1  | 0.77     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 31.4  |      | 1  | 0.25     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 31.3  |      | 1  | 0.31     | 3.50       | ug/kg   | 10/23/25 14:57 | PB170213 |
| 8001-35-2         | Toxaphene            | 68.7  | U    | 1  | 11.3     | 68.7       | ug/kg   | 10/23/25 14:57 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 16.4  |      |    | 20 - 144 | 82%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 16.4  |      |    | 19 - 148 | 82%        | SPK: 20 |                |          |

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\_D\Data\PD102325\  
 Data File : PD090785.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Oct 2025 14:57  
 Operator : AR\AJ  
 Sample : Q3395-04MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR132-S07-000102-20251017MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 06:14:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.543 | 2.874 | 47594773 | 487.5E6  | 15.283m | 16.370  |
| 28) SA Decachlor...         | 9.066 | 8.061 | 76677754 | 497.9E6  | 16.391  | 16.438  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.994 | 3.386 | 329.9E6  | 2102.7E6 | 45.972  | 41.153  |
| 3) MA gamma-BHC...          | 4.325 | 3.722 | 312.2E6  | 1980.6E6 | 45.922  | 41.919  |
| 4) MA Heptachlor            | 4.923 | 4.074 | 307.2E6  | 2056.0E6 | 54.958  | 46.095  |
| 5) MB Aldrin                | 5.264 | 4.360 | 307.6E6  | 1980.2E6 | 46.988  | 42.751  |
| 6) B beta-BHC               | 4.512 | 4.017 | 99323165 | 824.4E6  | 37.915m | 41.573m |
| 7) B delta-BHC              | 4.761 | 4.255 | 317.6E6  | 2086.4E6 | 46.973  | 43.724  |
| 8) B Heptachlo...           | 5.685 | 4.864 | 270.2E6  | 1883.6E6 | 46.672  | 44.175  |
| 9) A Endosulfan I           | 6.068 | 5.239 | 254.4E6  | 1502.5E6 | 45.954  | 38.145  |
| 10) B gamma-Chl...          | 5.939 | 5.116 | 264.7E6  | 2030.0E6 | 44.628m | 45.162  |
| 11) B alpha-Chl...          | 6.021 | 5.181 | 279.9E6  | 1913.9E6 | 45.289  | 44.366  |
| 12) B 4,4'-DDE              | 6.190 | 5.365 | 285.4E6  | 2112.0E6 | 53.574  | 48.176  |
| 13) MA Dieldrin             | 6.341 | 5.503 | 276.7E6  | 1999.9E6 | 47.450  | 45.263  |
| 14) MA Endrin               | 6.568 | 5.780 | 229.3E6  | 1698.3E6 | 46.291  | 41.940  |
| 15) B Endosulfa...          | 6.781 | 6.070 | 226.8E6  | 1680.4E6 | 45.364  | 44.744m |
| 16) A 4,4'-DDD              | 6.699 | 5.920 | 200.9E6  | 1547.1E6 | 49.548m | 42.457  |
| 17) MA 4,4'-DDT             | 7.016 | 6.173 | 201.5E6  | 1556.8E6 | 49.011  | 44.388  |
| 18) B Endrin al...          | 6.911 | 6.250 | 173.0E6  | 1230.0E6 | 47.245  | 44.416  |
| 19) B Endosulfa...          | 7.145 | 6.473 | 217.3E6  | 1582.2E6 | 46.853  | 44.139  |
| 20) A Methoxychlor          | 7.489 | 6.744 | 101.7E6  | 815.2E6  | 47.826  | 46.774  |
| 21) B Endrin ke...          | 7.626 | 6.982 | 238.6E6  | 1622.7E6 | 49.104  | 43.023  |
| 22) Mirex                   | 8.108 | 7.175 | 145.9E6  | 1110.7E6 | 45.568  | 43.232  |
| -----                       |       |       |          |          |         |         |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102325\  
Data File : PD090785.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Oct 2025 14:57  
Operator : AR\AJ  
Sample : Q3395-04MSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PR132-S07-000102-20251017MSD

## Manual Integrations

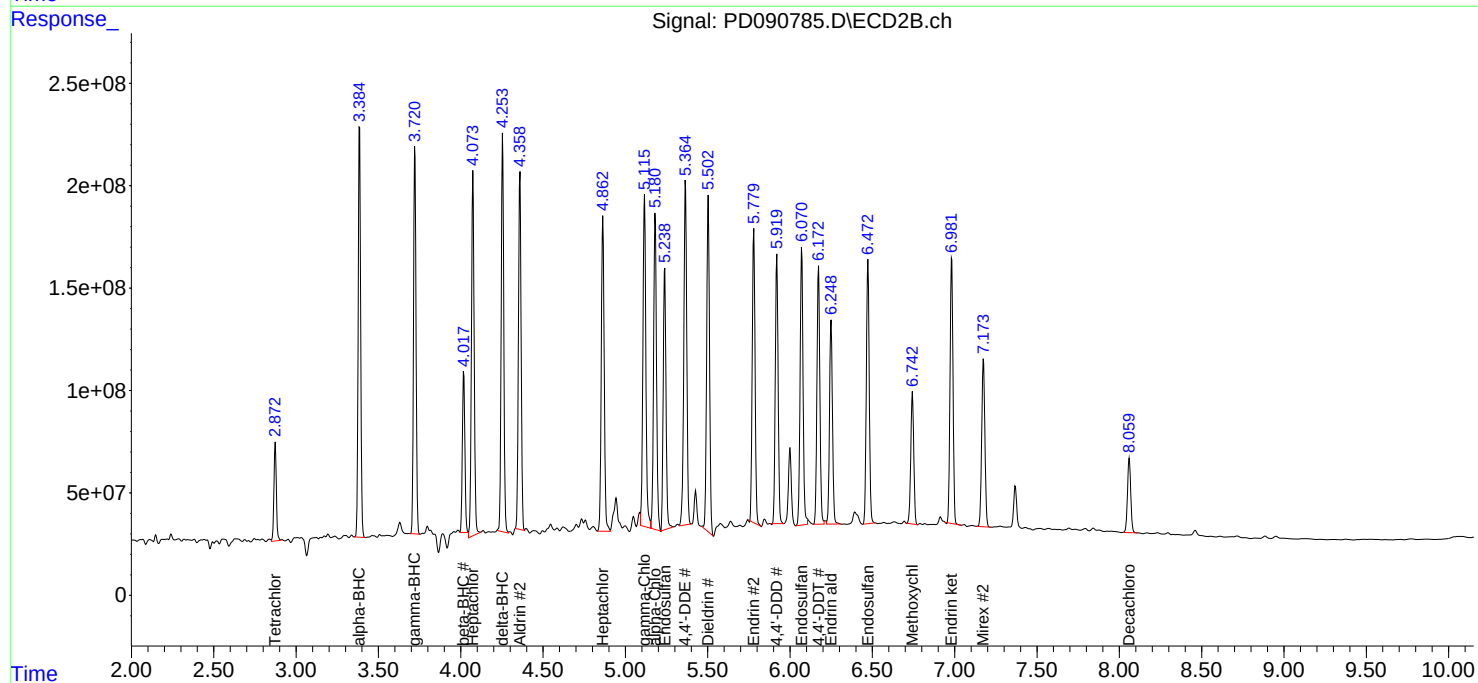
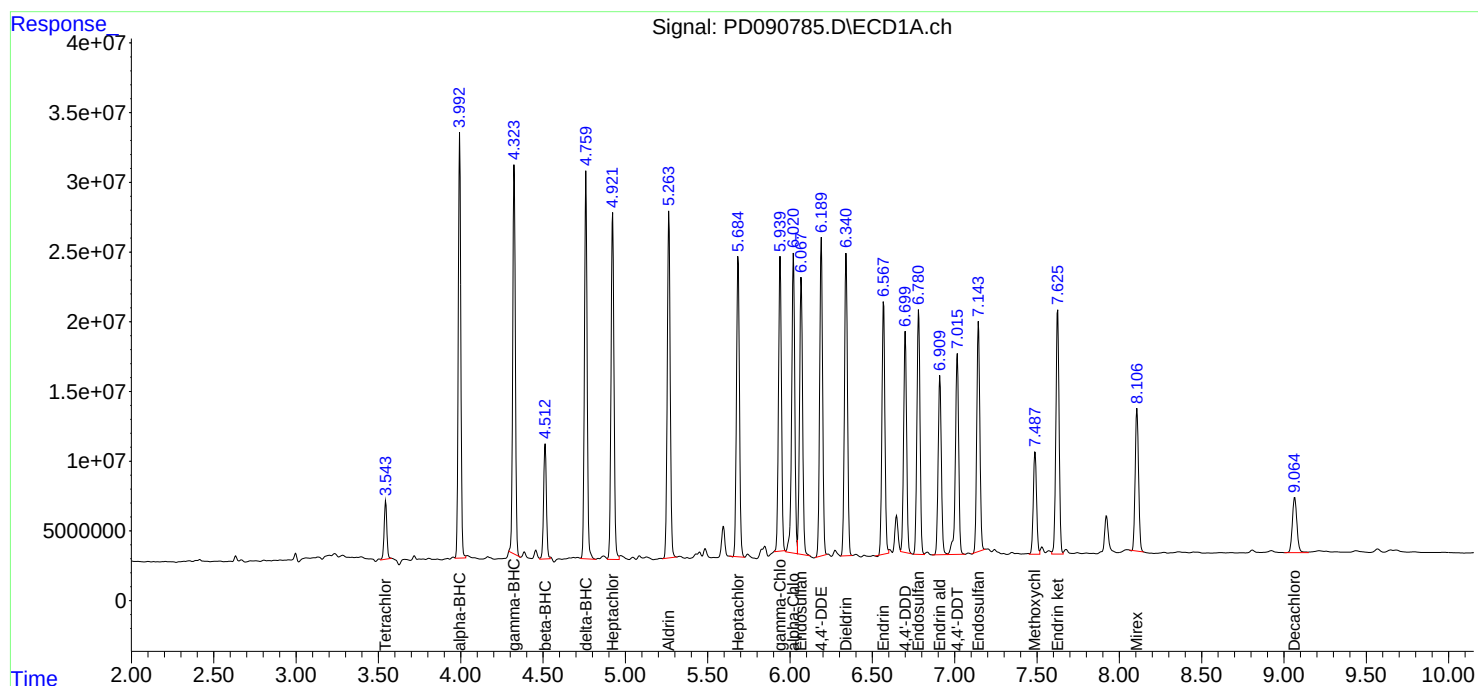
## APPROVED

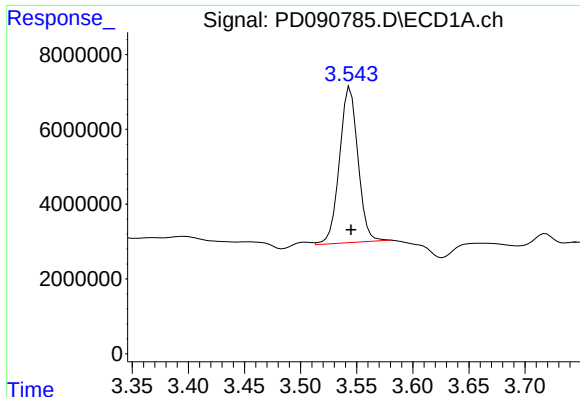
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 06:14:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 47594773  
Conc: 15.28 ng/ml

Instrument :

ECD\_D

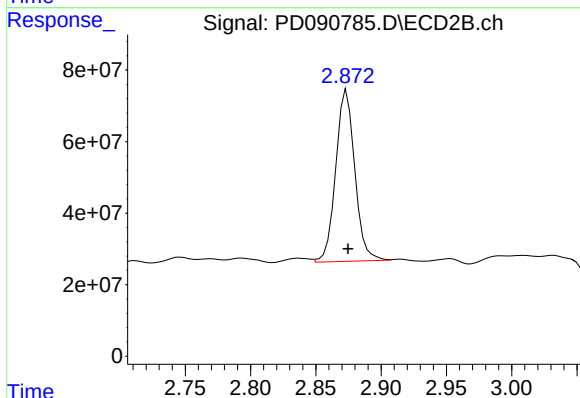
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

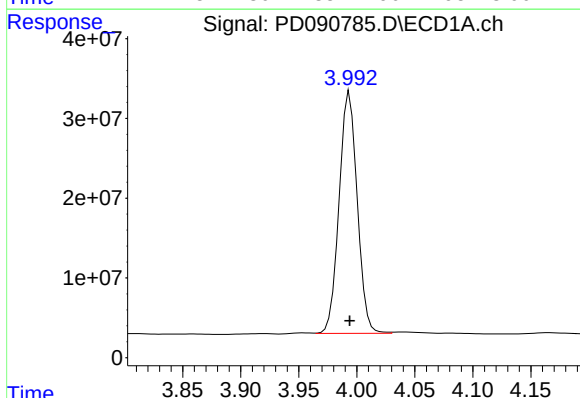
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



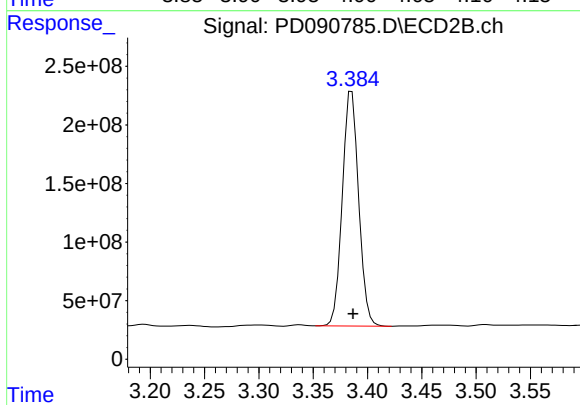
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: -0.001 min  
Response: 487456476  
Conc: 16.37 ng/ml



#2 alpha-BHC

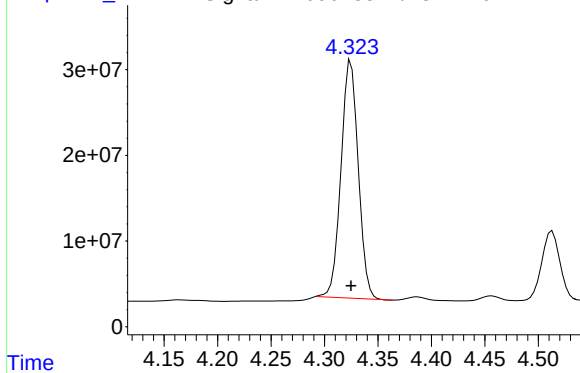
R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 329948212  
Conc: 45.97 ng/ml



#2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 2102728321  
Conc: 41.15 ng/ml

Response\_ Signal: PD090785.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.325 min  
Delta R.T.: 0.000 min  
Response: 312215910  
Conc: 45.92 ng/ml

Instrument :

ECD\_D

ClientSampleId :

PR132-S07-000102-20251017MSD

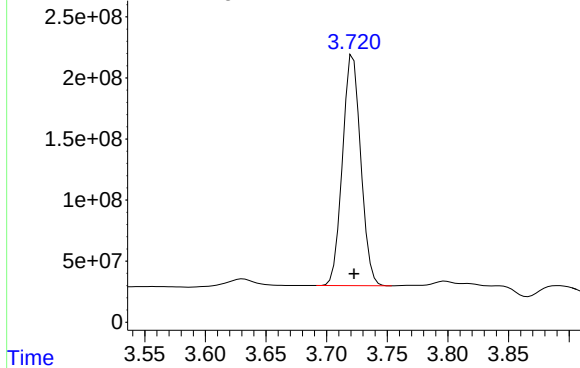
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

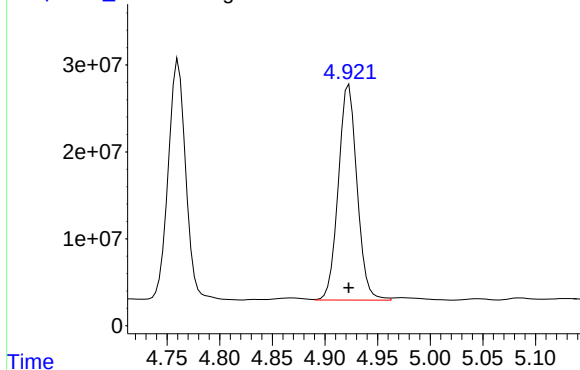
Time Response\_ Signal: PD090785.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: 0.000 min  
Response: 1980603536  
Conc: 41.92 ng/ml

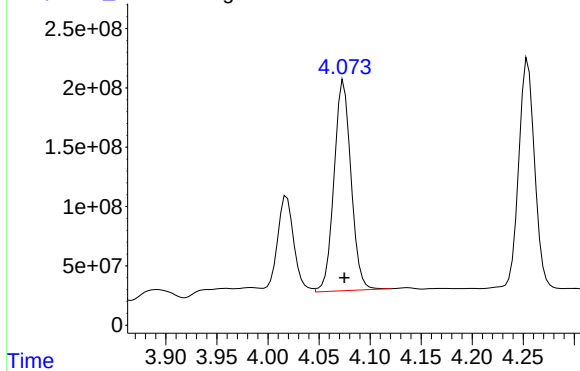
Time Response\_ Signal: PD090785.D\ECD1A.ch



#4 Heptachlor

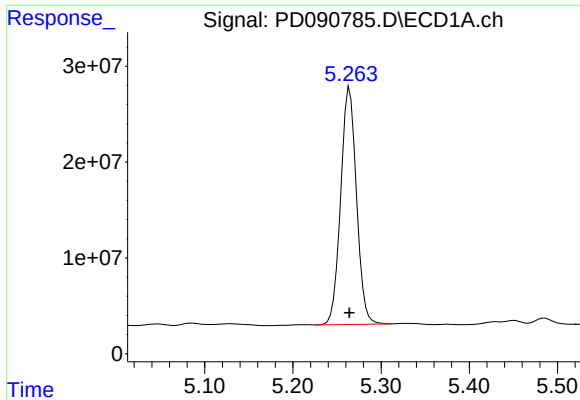
R.T.: 4.923 min  
Delta R.T.: 0.000 min  
Response: 307192939  
Conc: 54.96 ng/ml

Time Response\_ Signal: PD090785.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: 0.000 min  
Response: 2055982029  
Conc: 46.10 ng/ml



#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: 0.000 min  
Response: 307641464  
Conc: 46.99 ng/ml

Instrument :

ECD\_D

ClientSampleId :

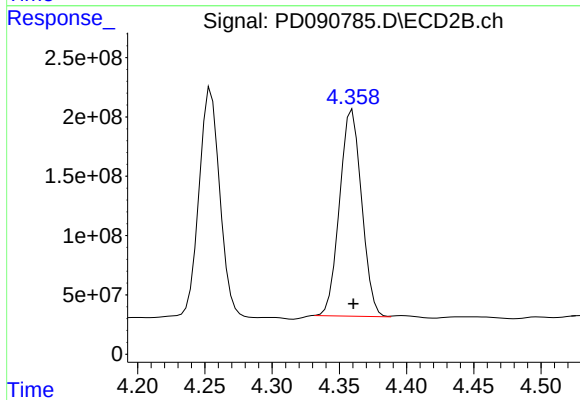
PR132-S07-000102-20251017MSD

## Manual Integrations

APPROVED

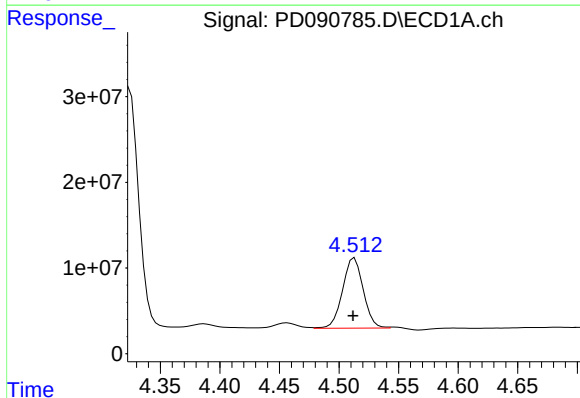
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



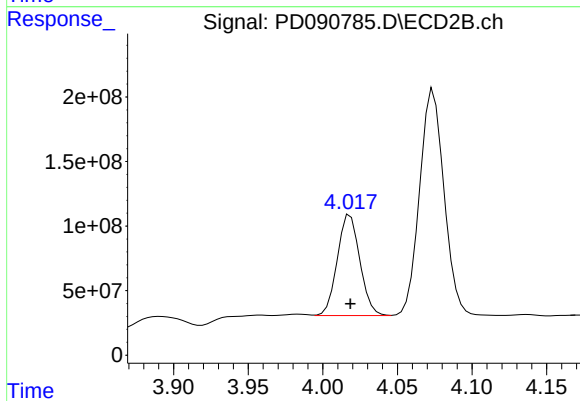
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 1980194934  
Conc: 42.75 ng/ml



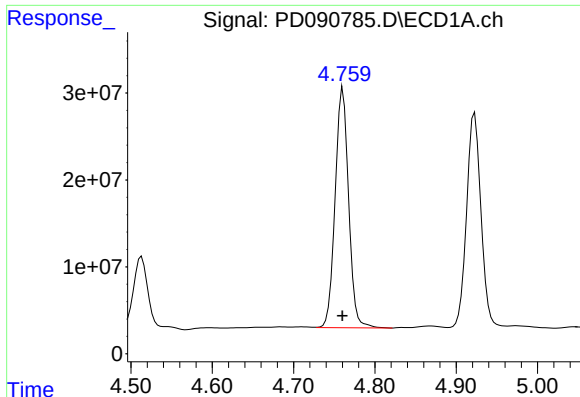
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 99323165  
Conc: 37.91 ng/ml m



#6 beta-BHC

R.T.: 4.017 min  
Delta R.T.: -0.002 min  
Response: 824363816  
Conc: 41.57 ng/ml m



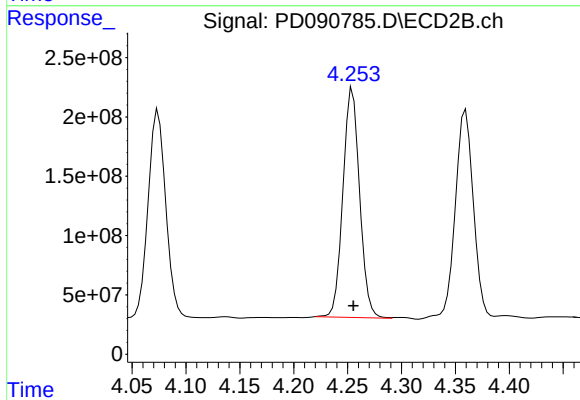
#7 delta-BHC

R.T.: 4.761 min  
Delta R.T.: 0.000 min  
Response: 317620281  
Conc: 46.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MSD

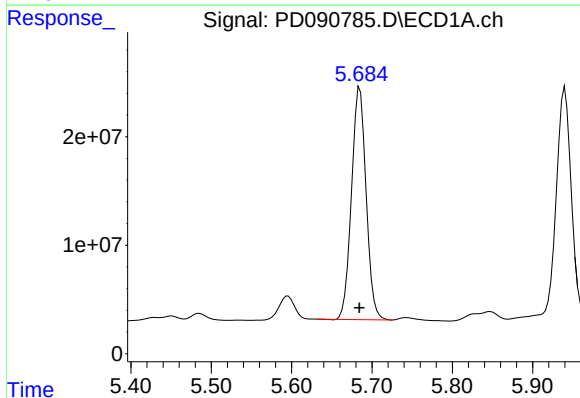
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



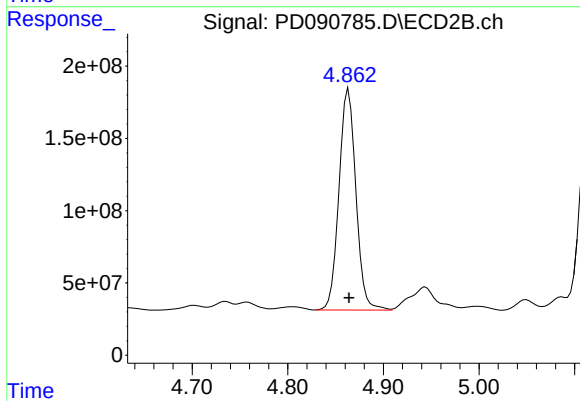
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2086377210  
Conc: 43.72 ng/ml



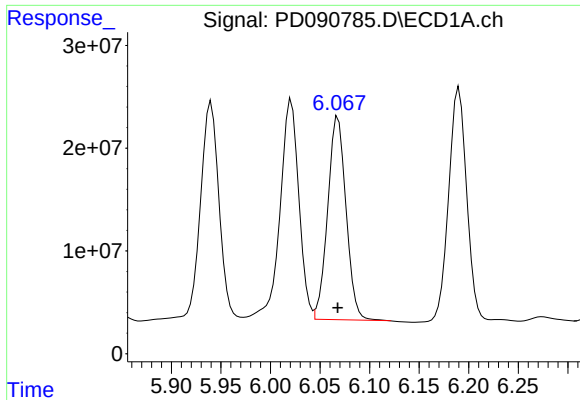
#8 Heptachlor epoxide

R.T.: 5.685 min  
Delta R.T.: 0.000 min  
Response: 270185448  
Conc: 46.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 1883575400  
Conc: 44.17 ng/ml



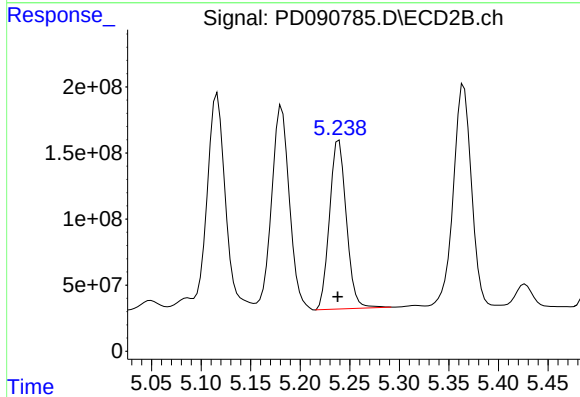
## #9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 254433493  
Conc: 45.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MSD

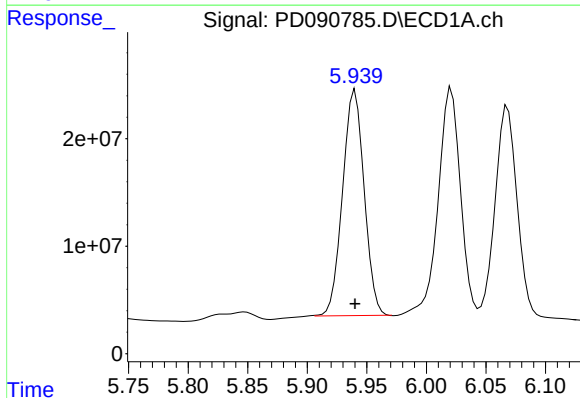
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



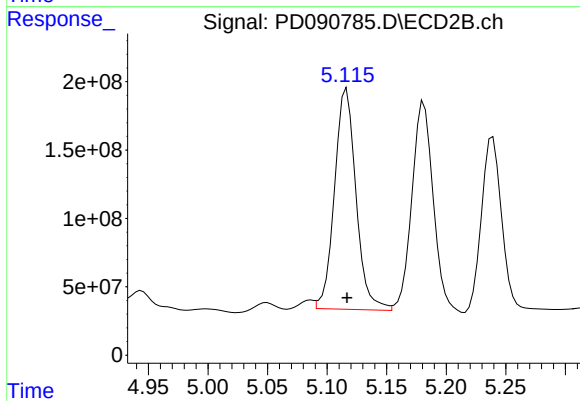
## #9 Endosulfan I

R.T.: 5.239 min  
Delta R.T.: 0.001 min  
Response: 1502543908  
Conc: 38.14 ng/ml



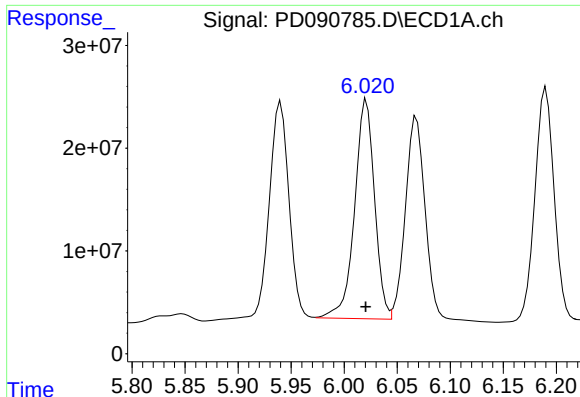
## #10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: -0.001 min  
Response: 264697828  
Conc: 44.63 ng/ml m



## #10 gamma-Chlordane

R.T.: 5.116 min  
Delta R.T.: 0.000 min  
Response: 2029993129  
Conc: 45.16 ng/ml



#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: 0.000 min  
Response: 279899851  
Conc: 45.29 ng/ml

Instrument :

ECD\_D

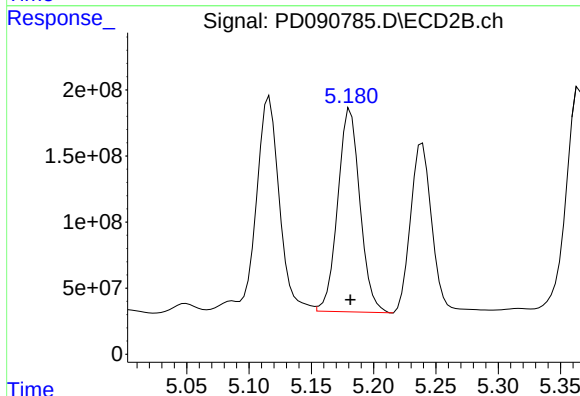
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

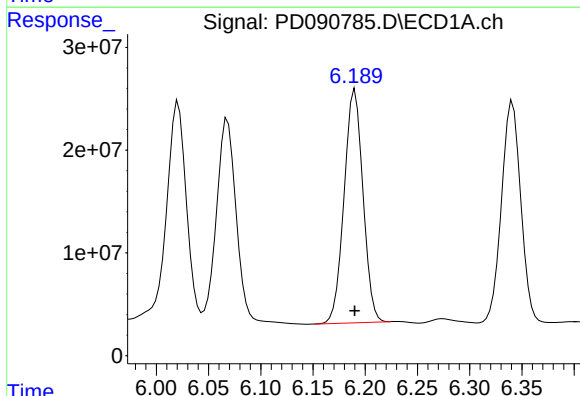
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



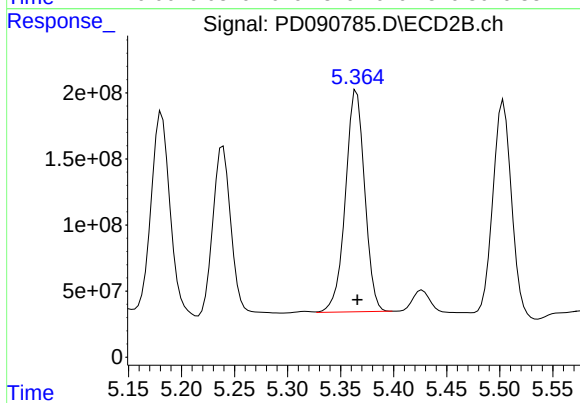
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 1913866255  
Conc: 44.37 ng/ml



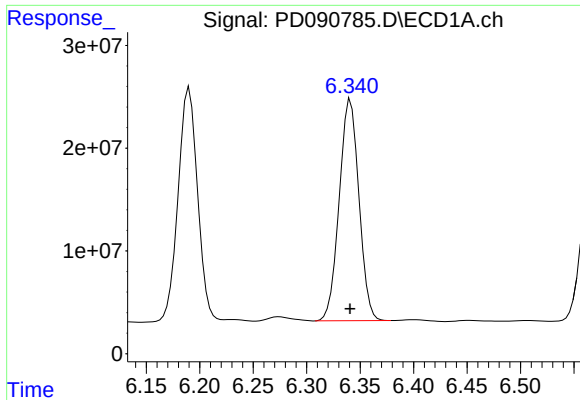
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 285369023  
Conc: 53.57 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min  
Delta R.T.: 0.000 min  
Response: 2111962604  
Conc: 48.18 ng/ml



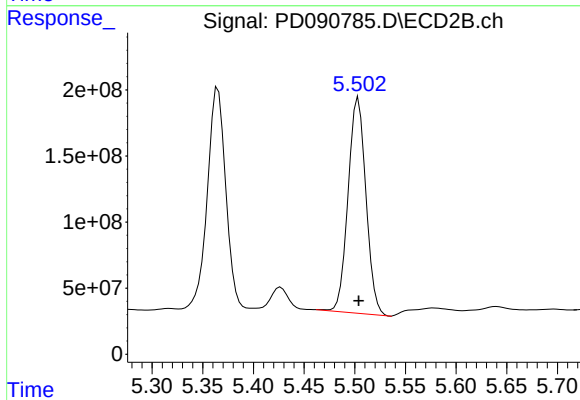
## #13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: 0.000 min  
Response: 276700269  
Conc: 47.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MSD

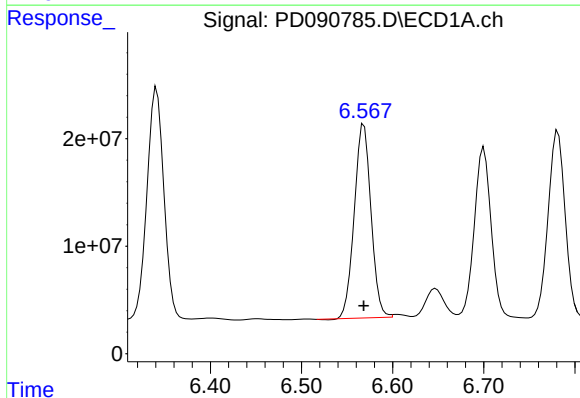
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



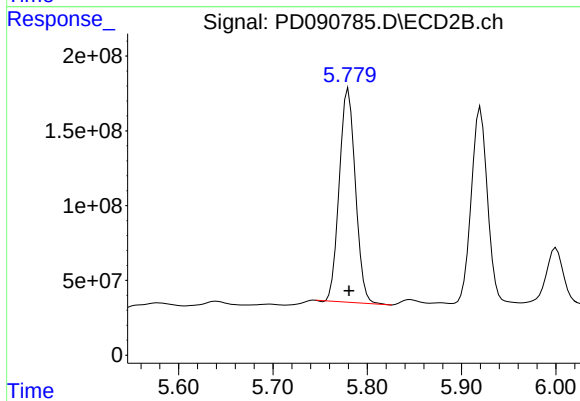
## #13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: 0.000 min  
Response: 1999882963  
Conc: 45.26 ng/ml



## #14 Endrin

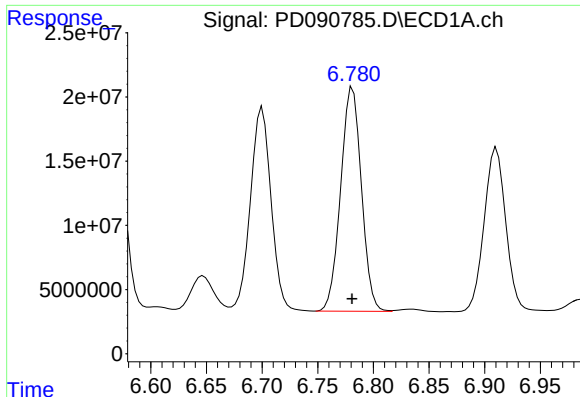
R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 229312566  
Conc: 46.29 ng/ml



## #14 Endrin

R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 1698301628  
Conc: 41.94 ng/ml





#15 Endosulfan II

R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 226817654  
Conc: 45.36 ng/ml

Instrument :

ECD\_D

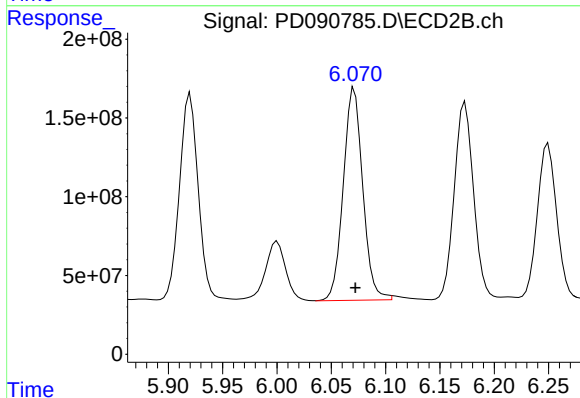
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

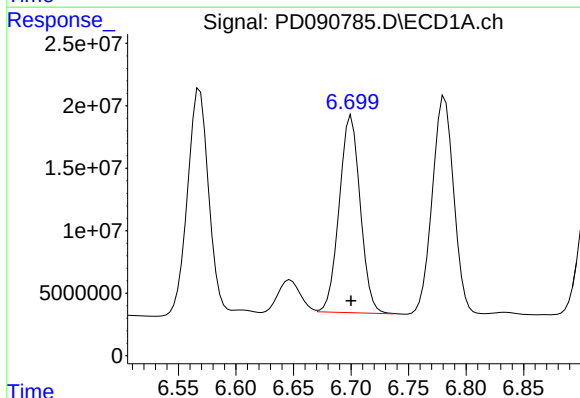
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



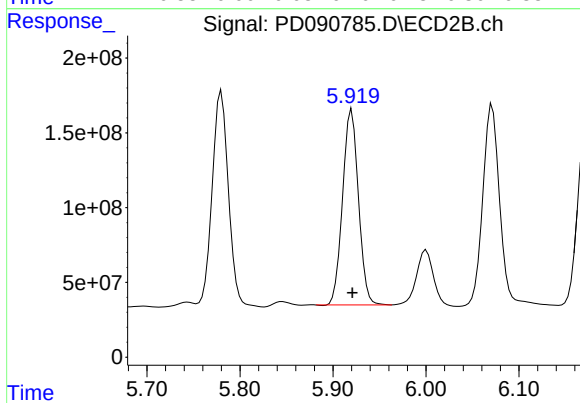
#15 Endosulfan II

R.T.: 6.070 min  
Delta R.T.: -0.002 min  
Response: 1680384616  
Conc: 44.74 ng/ml m



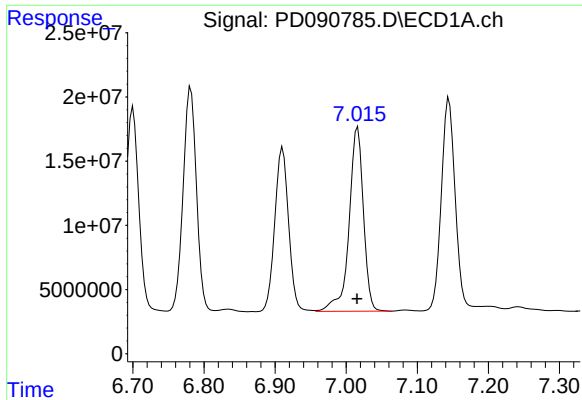
#16 4,4'-DDD

R.T.: 6.699 min  
Delta R.T.: -0.001 min  
Response: 200879145  
Conc: 49.55 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min  
Delta R.T.: 0.000 min  
Response: 1547062646  
Conc: 42.46 ng/ml



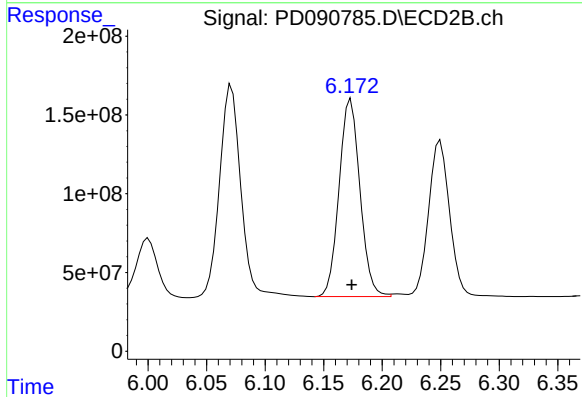
#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 201459478  
Conc: 49.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MSD

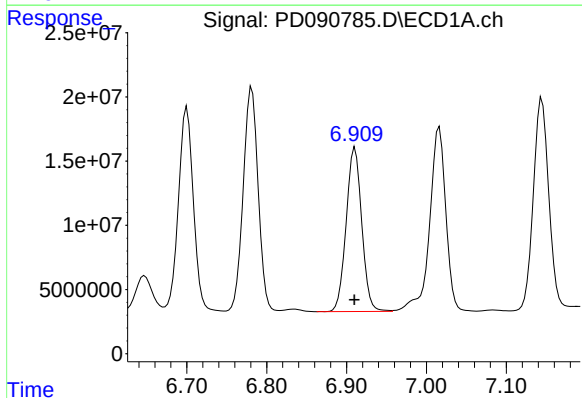
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



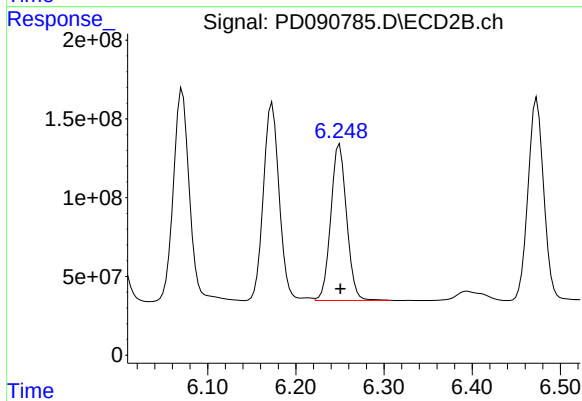
#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: 0.000 min  
Response: 1556816565  
Conc: 44.39 ng/ml



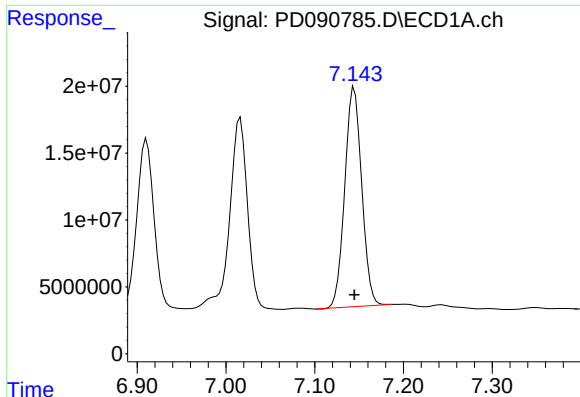
#18 Endrin aldehyde

R.T.: 6.911 min  
Delta R.T.: 0.000 min  
Response: 173045513  
Conc: 47.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: 0.000 min  
Response: 1230012330  
Conc: 44.42 ng/ml



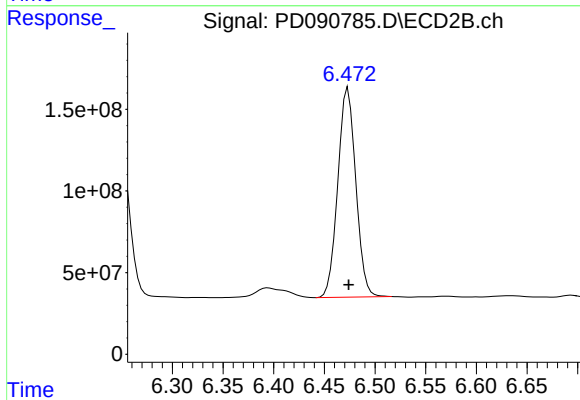
## #19 Endosulfan Sulfate

R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 217313901  
Conc: 46.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MSD

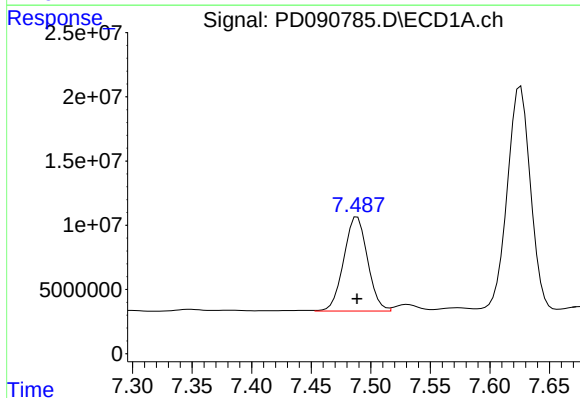
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



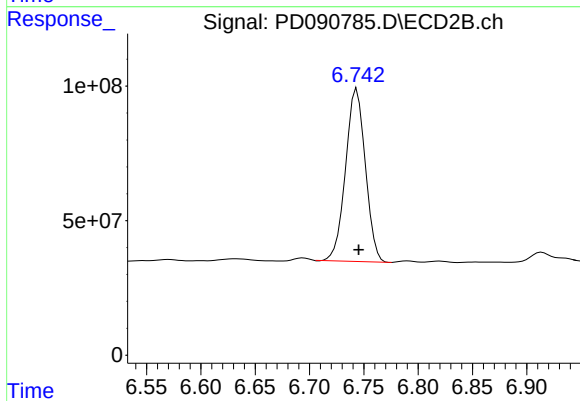
## #19 Endosulfan Sulfate

R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 1582152981  
Conc: 44.14 ng/ml



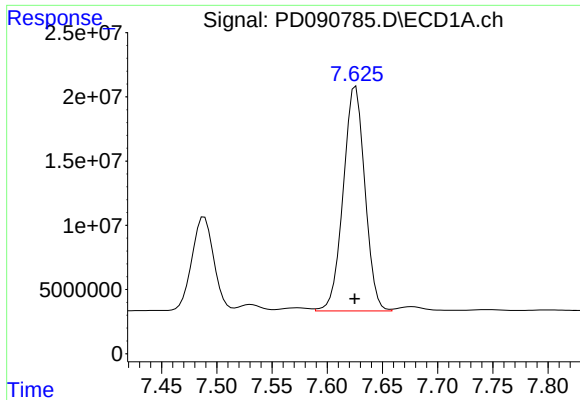
## #20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 101657606  
Conc: 47.83 ng/ml



## #20 Methoxychlor

R.T.: 6.744 min  
Delta R.T.: -0.002 min  
Response: 815164786  
Conc: 46.77 ng/ml



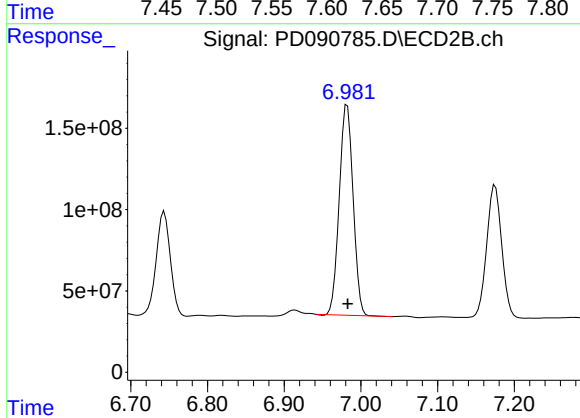
#21 Endrin ketone

R.T.: 7.626 min  
Delta R.T.: 0.001 min  
Response: 238588310  
Conc: 49.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MSD

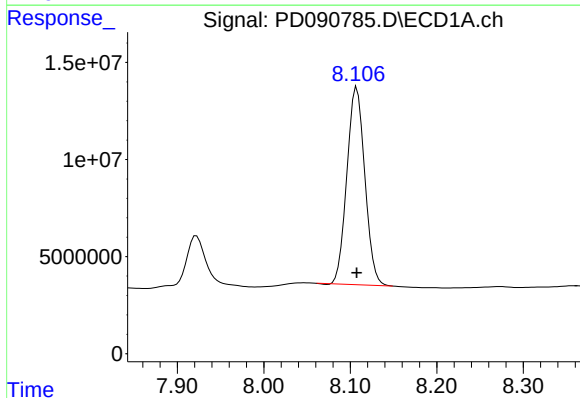
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



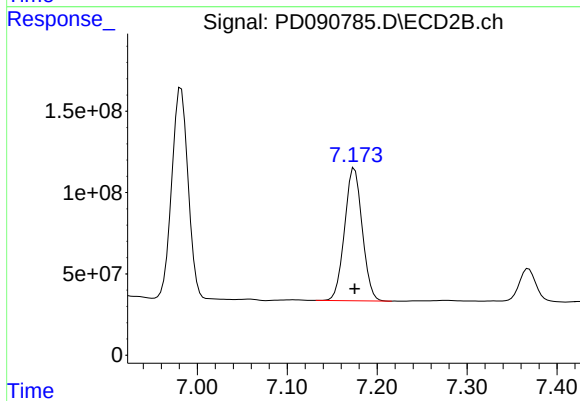
#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: 0.000 min  
Response: 1622740096  
Conc: 43.02 ng/ml



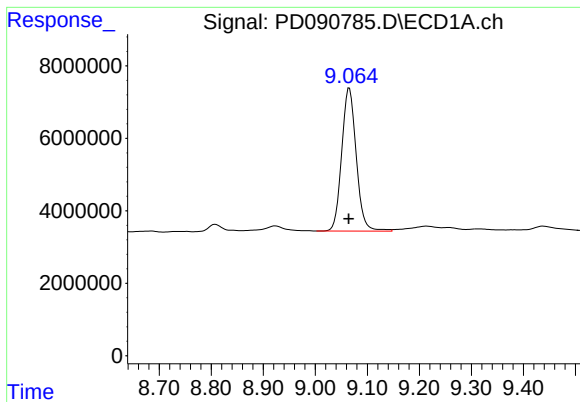
#22 Mirex

R.T.: 8.108 min  
Delta R.T.: 0.000 min  
Response: 145856859  
Conc: 45.57 ng/ml



#22 Mirex

R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 1110658534  
Conc: 43.23 ng/ml



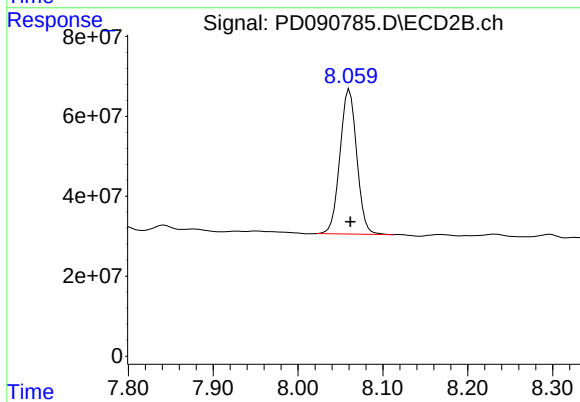
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.001 min  
Response: 76677754  
Conc: 16.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR132-S07-000102-20251017MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/24/2025  
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: -0.001 min  
Response: 497943927  
Conc: 16.44 ng/ml



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

## Report of Analysis

|                    |                                                  |                     |                 |               |
|--------------------|--------------------------------------------------|---------------------|-----------------|---------------|
| Client:            | AECOM                                            |                     | Date Collected: | 10/21/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 |                     | Date Received:  | 10/21/25      |
| Client Sample ID:  | PR-132-S16-015094-20251021MSD                    |                     | SDG No.:        | Q3419         |
| Lab Sample ID:     | Q3419-03MSD                                      |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                                            |                     | % Solid:        | 54.4          |
| Sample Wt/Vol:     | 30.02 g                                          | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541B                                          |                     | Prep Date:      | 10/23/25      |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|----------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |          |            |         |                |          |
| 319-84-6          | alpha-BHC            | 23.8  |      | 1  | 0.24     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 319-85-7          | beta-BHC             | 25.5  |      | 1  | 0.33     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 319-86-8          | delta-BHC            | 19.1  |      | 1  | 0.72     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 58-89-9           | gamma-BHC (Lindane)  | 19.6  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 76-44-8           | Heptachlor           | 30.6  |      | 1  | 0.22     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 309-00-2          | Aldrin               | 27.2  |      | 1  | 0.22     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 1024-57-3         | Heptachlor epoxide   | 28.9  |      | 1  | 0.35     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 959-98-8          | Endosulfan I         | 27.3  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 60-57-1           | Dieldrin             | 27.7  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 72-55-9           | 4,4-DDE              | 27.1  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 72-20-8           | Endrin               | 26.7  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 33213-65-9        | Endosulfan II        | 26.8  |      | 1  | 0.53     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 72-54-8           | 4,4-DDD              | 27.8  |      | 1  | 0.28     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 1031-07-8         | Endosulfan Sulfate   | 17.2  |      | 1  | 0.24     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 50-29-3           | 4,4-DDT              | 26.1  |      | 1  | 0.26     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 72-43-5           | Methoxychlor         | 25.9  |      | 1  | 0.68     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 53494-70-5        | Endrin ketone        | 27.5  |      | 1  | 0.35     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 7421-93-4         | Endrin aldehyde      | 20.5  |      | 1  | 0.68     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 5103-71-9         | alpha-Chlordane      | 29.1  |      | 1  | 0.22     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 5103-74-2         | gamma-Chlordane      | 27.4  |      | 1  | 0.28     | 3.10       | ug/kg   | 10/24/25 11:16 | PB170213 |
| 8001-35-2         | Toxaphene            | 60.6  | U    | 1  | 9.90     | 60.6       | ug/kg   | 10/24/25 11:16 | PB170213 |
| <b>SURROGATES</b> |                      |       |      |    |          |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 12.7  |      |    | 20 - 144 | 64%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 12.6  |      |    | 19 - 148 | 63%        | SPK: 20 |                |          |

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\_D\Data\PD102425\  
 Data File : PD090812.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2025 11:16  
 Operator : AR\AJ  
 Sample : Q3419-03MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR-132-S16-015094-20251021MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 23:35:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 37524919 | 374.1E6  | 12.050m | 12.563  |
| 28)                         | SA Decachlor... | 9.067 | 8.059 | 57134503 | 384.6E6  | 12.214  | 12.696  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.995 | 3.384 | 279.5E6  | 1866.5E6 | 38.938  | 36.530  |
| 3)                          | MA gamma-BHC... | 4.326 | 3.721 | 217.4E6  | 1481.1E6 | 31.972  | 31.347  |
| 4)                          | MA Heptachlor   | 4.924 | 4.073 | 279.6E6  | 1916.9E6 | 50.020  | 42.977  |
| 5)                          | MB Aldrin       | 5.265 | 4.357 | 290.5E6  | 1940.6E6 | 44.367  | 41.897m |
| 6)                          | B beta-BHC      | 4.513 | 4.017 | 108.9E6  | 826.5E6  | 41.575  | 41.680  |
| 7)                          | B delta-BHC     | 4.761 | 4.253 | 210.4E6  | 1472.8E6 | 31.122  | 30.866  |
| 8)                          | B Heptachlo...  | 5.685 | 4.861 | 273.5E6  | 1794.7E6 | 47.252  | 42.090  |
| 9)                          | A Endosulfan I  | 6.069 | 5.236 | 247.2E6  | 1471.4E6 | 44.643  | 37.353  |
| 10)                         | B gamma-Chl...  | 5.940 | 5.114 | 265.1E6  | 1962.2E6 | 44.690  | 43.653  |
| 11)                         | B alpha-Chl...  | 6.021 | 5.179 | 293.5E6  | 1825.8E6 | 47.486  | 42.324  |
| 12)                         | B 4,4'-DDE      | 6.191 | 5.363 | 235.5E6  | 1896.5E6 | 44.203  | 43.262  |
| 13)                         | MA Dieldrin     | 6.342 | 5.502 | 263.7E6  | 1913.5E6 | 45.227  | 43.308  |
| 14)                         | MA Endrin       | 6.569 | 5.778 | 216.0E6  | 1618.1E6 | 43.608  | 39.960  |
| 15)                         | B Endosulfa...  | 6.782 | 6.068 | 218.6E6  | 1625.5E6 | 43.722  | 43.283m |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.918 | 184.2E6  | 1472.6E6 | 45.429  | 40.414  |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.172 | 175.4E6  | 1467.4E6 | 42.678  | 41.840  |
| 18)                         | B Endrin al...  | 6.910 | 6.248 | 122.6E6  | 887.4E6  | 33.475  | 32.043  |
| 19)                         | B Endosulfa...  | 7.145 | 6.472 | 130.2E6  | 994.0E6  | 28.072  | 27.731  |
| 20)                         | A Methoxychlor  | 7.489 | 6.742 | 90009473 | 737.9E6  | 42.346  | 42.340  |
| 21)                         | B Endrin ke...  | 7.625 | 6.980 | 218.0E6  | 1696.0E6 | 44.875  | 44.966  |
| 22)                         | Mirex           | 8.108 | 7.172 | 140.0E6  | 1136.8E6 | 43.741  | 44.251  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090812.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 11:16  
Operator : AR\AJ  
Sample : Q3419-03MSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PR-132-S16-015094-20251021MSD

## Manual Integrations

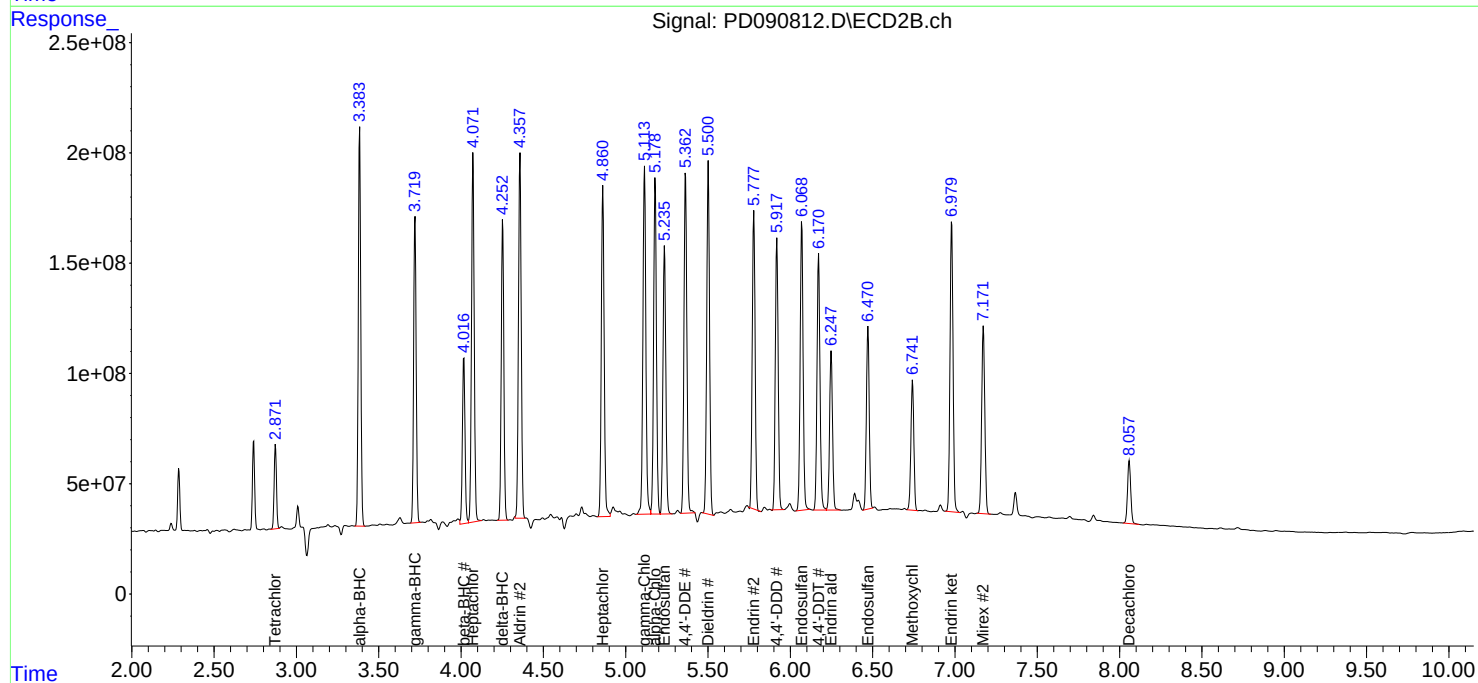
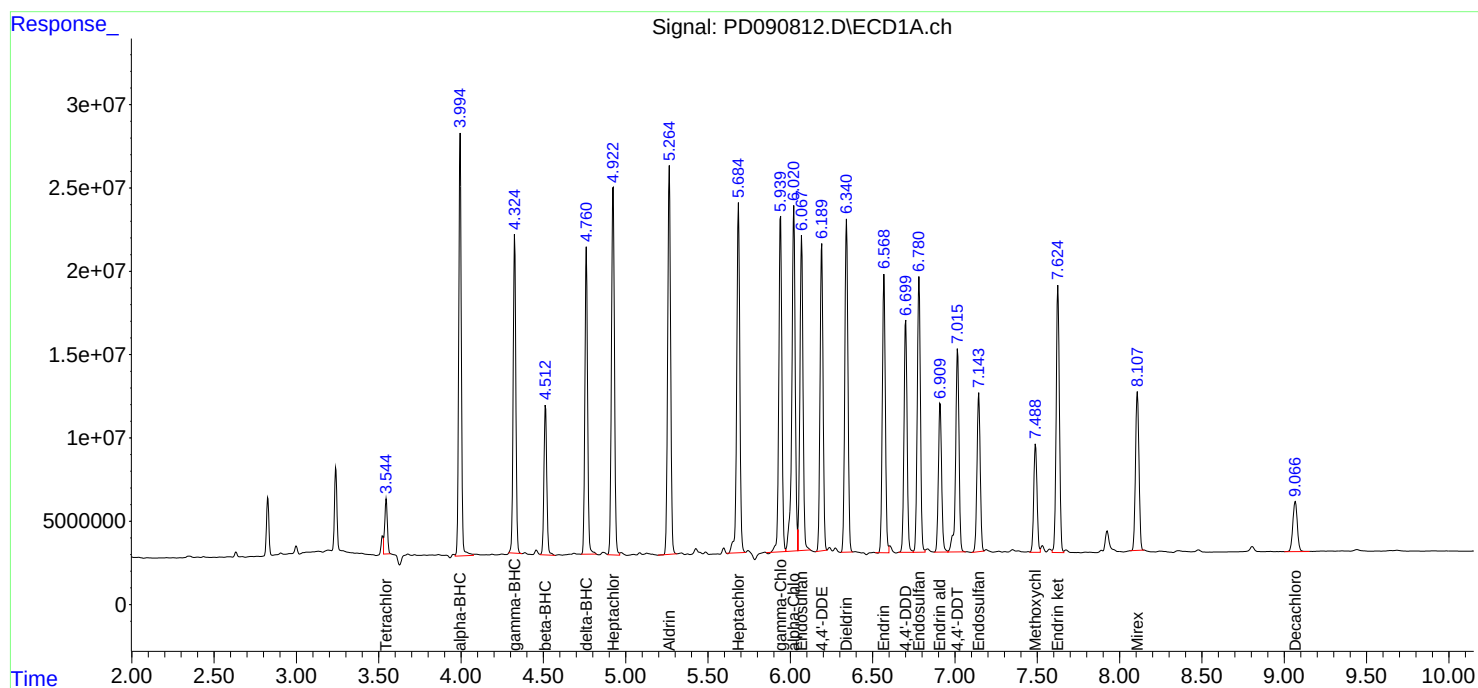
## APPROVED

Reviewed By :Abdul Mirza 10/27/2025

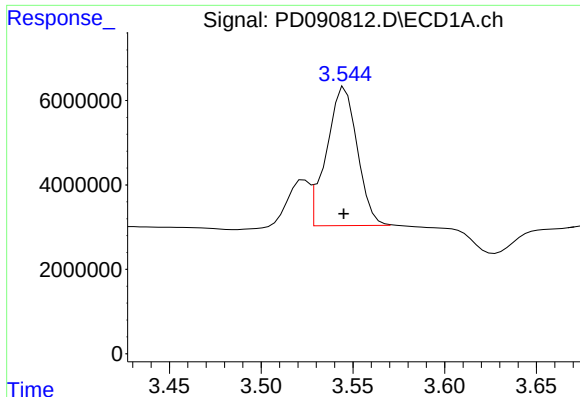
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:35:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm







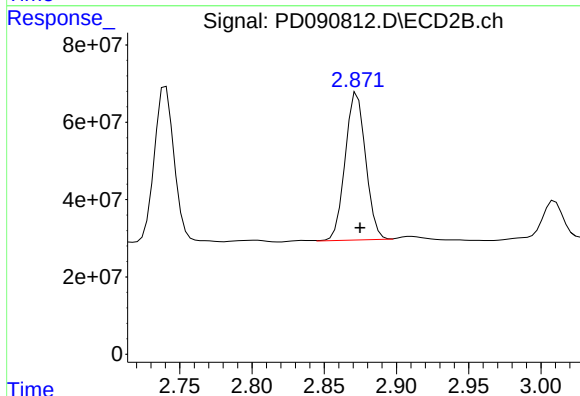
## #1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 37524919  
Conc: 12.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MSD

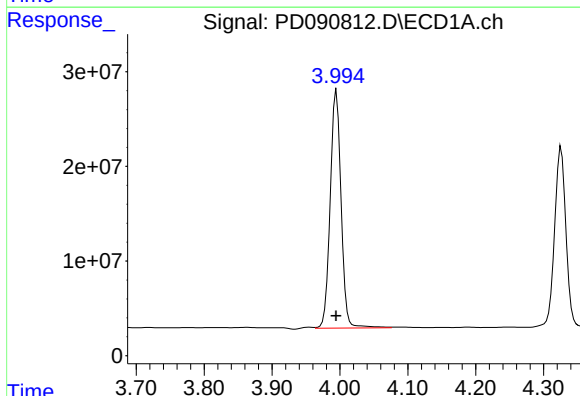
Manual Integrations  
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Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



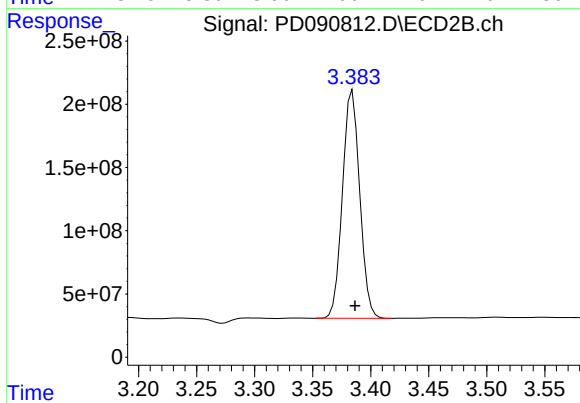
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.002 min  
Response: 374092367  
Conc: 12.56 ng/ml



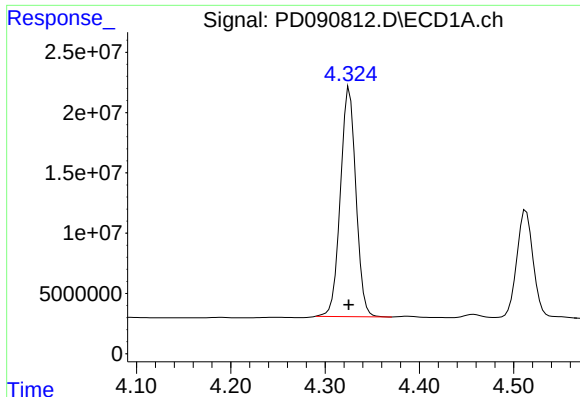
## #2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 279465391  
Conc: 38.94 ng/ml



## #2 alpha-BHC

R.T.: 3.384 min  
Delta R.T.: -0.002 min  
Response: 1866528332  
Conc: 36.53 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 217371116  
Conc: 31.97 ng/ml

Instrument :

ECD\_D

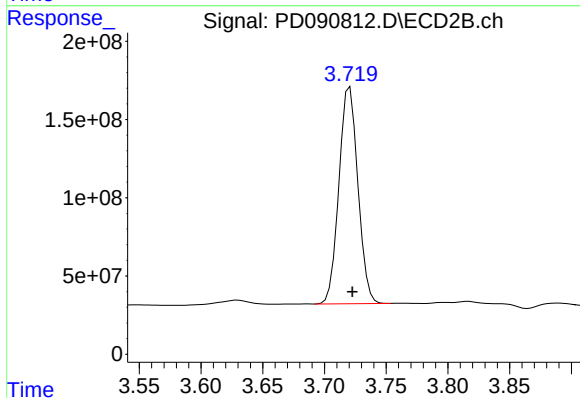
ClientSampleId :

PR-132-S16-015094-20251021MSD

Manual Integrations

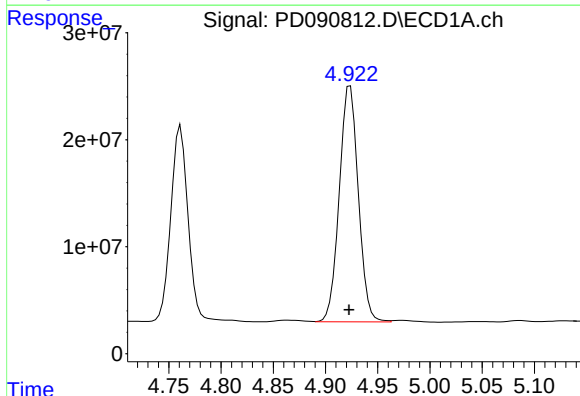
APPROVED

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Supervised By :mohammad ahmed 10/28/2025



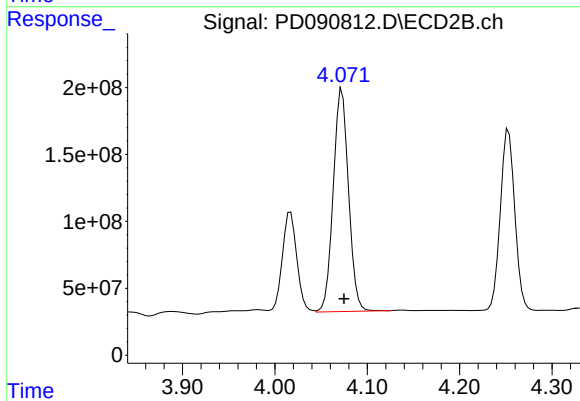
#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.002 min  
Response: 1481132556  
Conc: 31.35 ng/ml



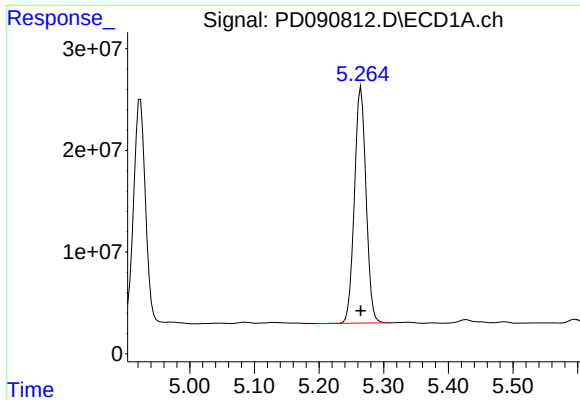
#4 Heptachlor

R.T.: 4.924 min  
Delta R.T.: 0.000 min  
Response: 279592224  
Conc: 50.02 ng/ml



#4 Heptachlor

R.T.: 4.073 min  
Delta R.T.: -0.002 min  
Response: 1916914893  
Conc: 42.98 ng/ml



#5 Aldrin

R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 290481568  
Conc: 44.37 ng/ml

Instrument :

ECD\_D

ClientSampleId :

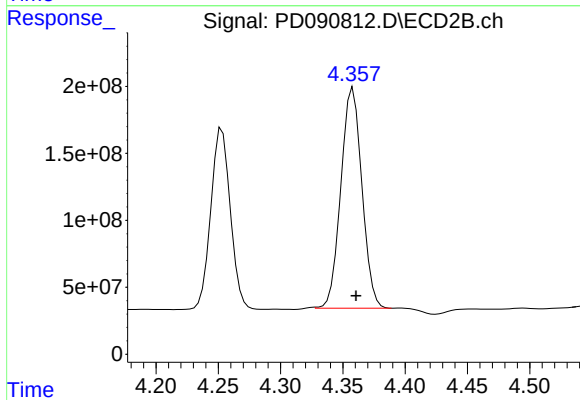
PR-132-S16-015094-20251021MSD

## Manual Integrations

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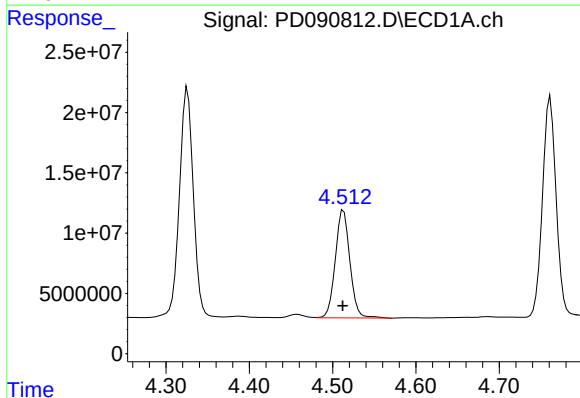
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



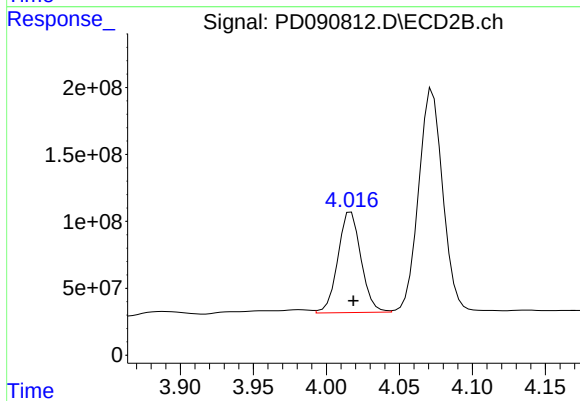
#5 Aldrin

R.T.: 4.357 min  
Delta R.T.: -0.004 min  
Response: 1940630189  
Conc: 41.90 ng/ml m



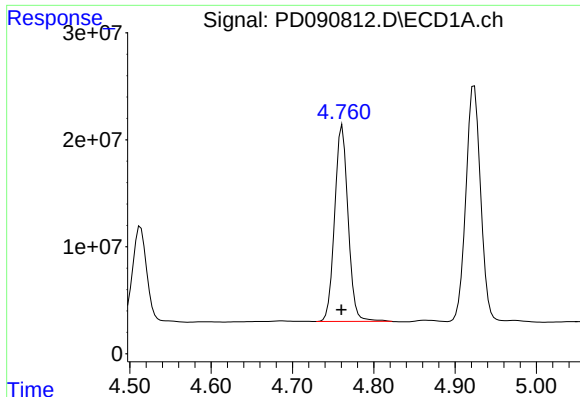
#6 beta-BHC

R.T.: 4.513 min  
Delta R.T.: 0.001 min  
Response: 108912158  
Conc: 41.58 ng/ml



#6 beta-BHC

R.T.: 4.017 min  
Delta R.T.: -0.002 min  
Response: 826495192  
Conc: 41.68 ng/ml



#7 delta-BHC

R.T.: 4.761 min  
Delta R.T.: 0.001 min  
Response: 210440125  
Conc: 31.12 ng/ml

Instrument :

ECD\_D

ClientSampleId :

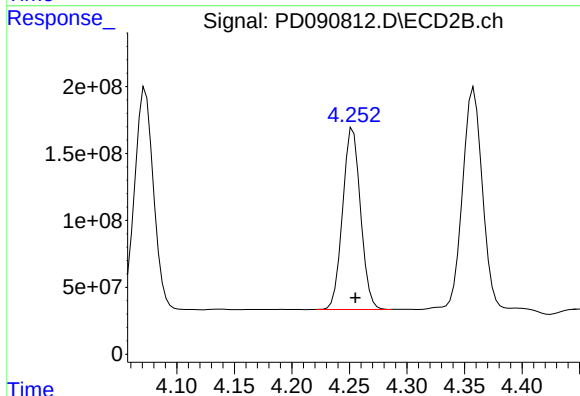
PR-132-S16-015094-20251021MSD

## Manual Integrations

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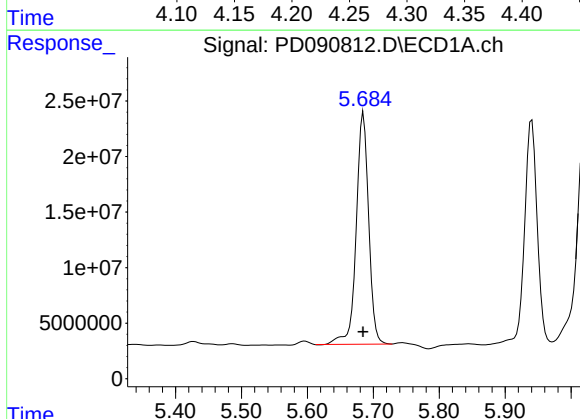
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



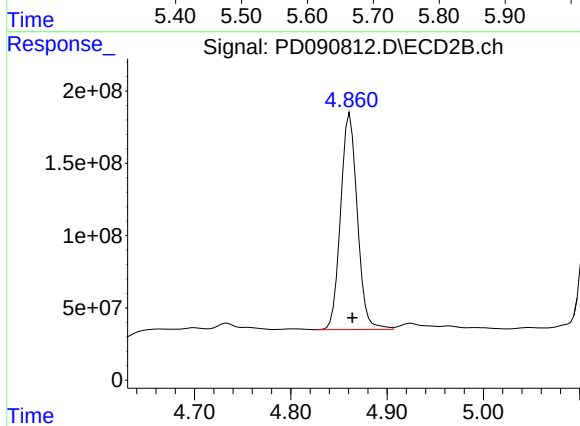
#7 delta-BHC

R.T.: 4.253 min  
Delta R.T.: -0.002 min  
Response: 1472821741  
Conc: 30.87 ng/ml



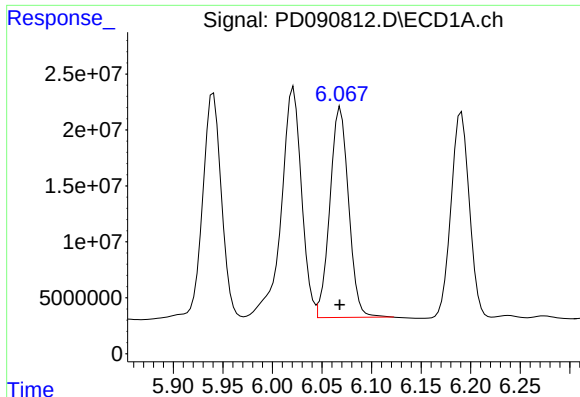
#8 Heptachlor epoxide

R.T.: 5.685 min  
Delta R.T.: 0.000 min  
Response: 273542413  
Conc: 47.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.861 min  
Delta R.T.: -0.003 min  
Response: 1794691956  
Conc: 42.09 ng/ml



## #9 Endosulfan I

R.T.: 6.069 min  
Delta R.T.: 0.000 min  
Response: 247171969  
Conc: 44.64 ng/ml

Instrument :

ECD\_D

ClientSampleId :

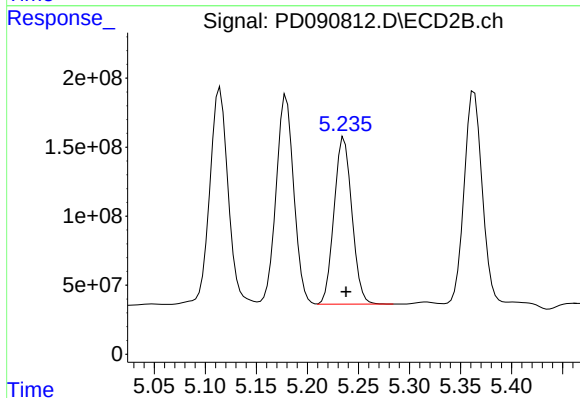
PR-132-S16-015094-20251021MSD

## Manual Integrations

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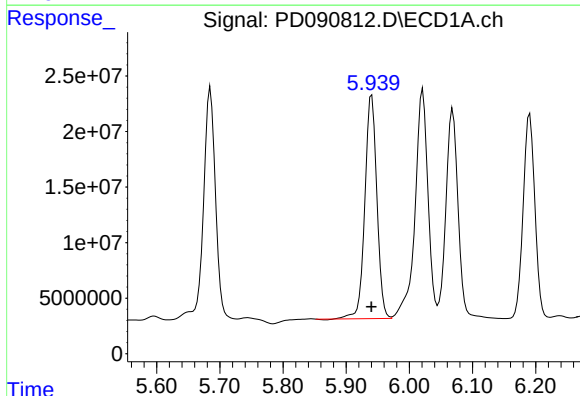
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



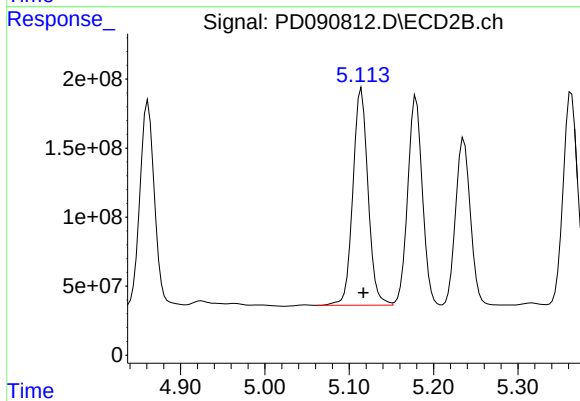
## #9 Endosulfan I

R.T.: 5.236 min  
Delta R.T.: -0.002 min  
Response: 1471358080  
Conc: 37.35 ng/ml



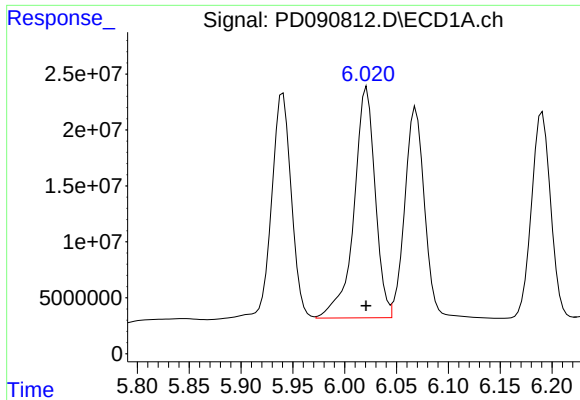
## #10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 265066346  
Conc: 44.69 ng/ml



## #10 gamma-Chlordane

R.T.: 5.114 min  
Delta R.T.: -0.002 min  
Response: 1962151012  
Conc: 43.65 ng/ml



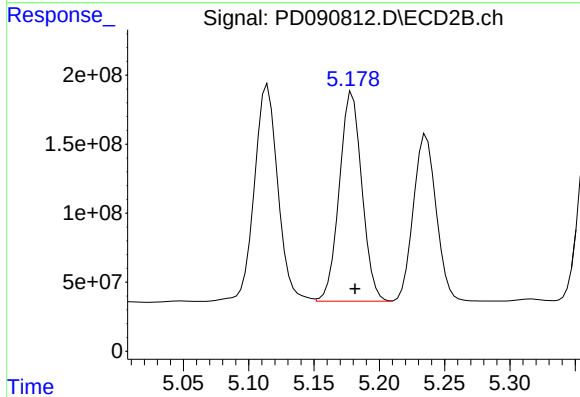
#11 alpha-Chlordane

R.T.: 6.021 min  
 Delta R.T.: 0.000 min  
 Response: 293474813  
 Conc: 47.49 ng/ml

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PR-132-S16-015094-20251021MSD

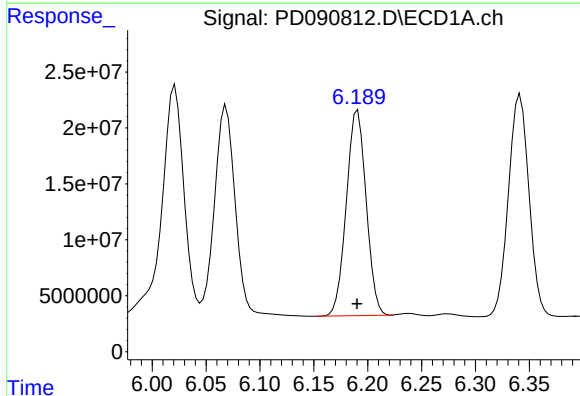
Manual Integrations  
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Reviewed By :Abdul Mirza 10/27/2025  
 Supervised By :mohammad ahmed 10/28/2025



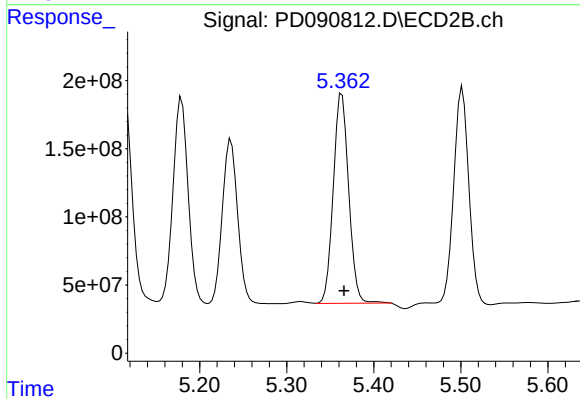
#11 alpha-Chlordane

R.T.: 5.179 min  
 Delta R.T.: -0.002 min  
 Response: 1825780572  
 Conc: 42.32 ng/ml



#12 4,4'-DDE

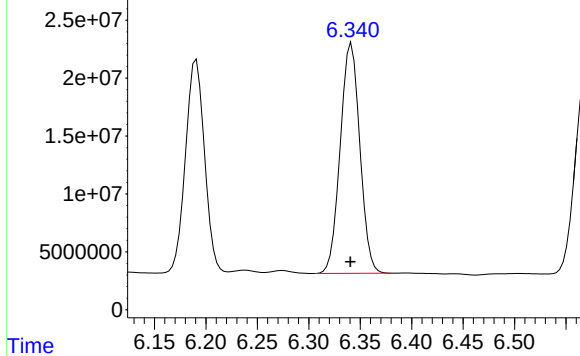
R.T.: 6.191 min  
 Delta R.T.: 0.000 min  
 Response: 235451576  
 Conc: 44.20 ng/ml



#12 4,4'-DDE

R.T.: 5.363 min  
 Delta R.T.: -0.002 min  
 Response: 1896530562  
 Conc: 43.26 ng/ml

Response\_ Signal: PD090812.D\ECD1A.ch



#13 Dieldrin

R.T.: 6.342 min  
Delta R.T.: 0.001 min  
Response: 263733410  
Conc: 45.23 ng/ml

Instrument :

ECD\_D

ClientSampleId :

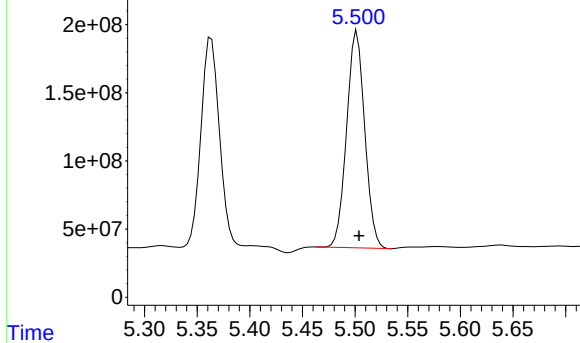
PR-132-S16-015094-20251021MSD

Manual Integrations

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Supervised By :mohammad ahmed 10/28/2025

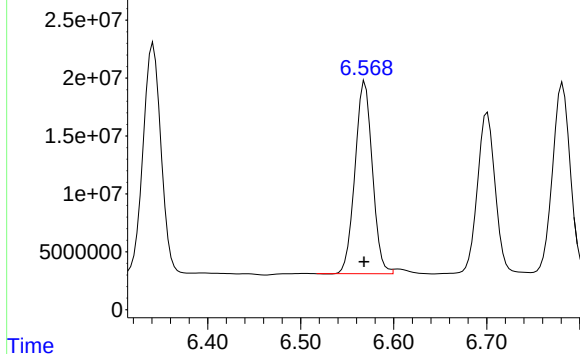
Time Response\_ Signal: PD090812.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: -0.002 min  
Response: 1913503906  
Conc: 43.31 ng/ml

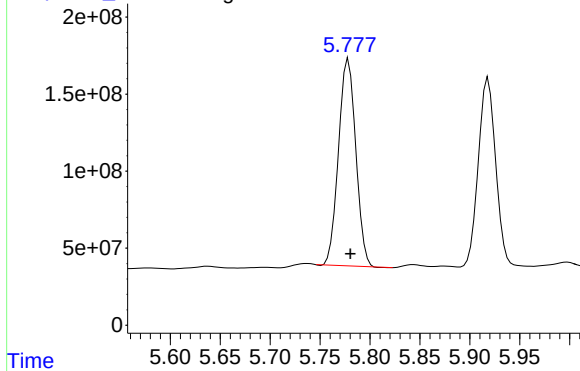
Time Response\_ Signal: PD090812.D\ECD1A.ch



#14 Endrin

R.T.: 6.569 min  
Delta R.T.: 0.000 min  
Response: 216021937  
Conc: 43.61 ng/ml

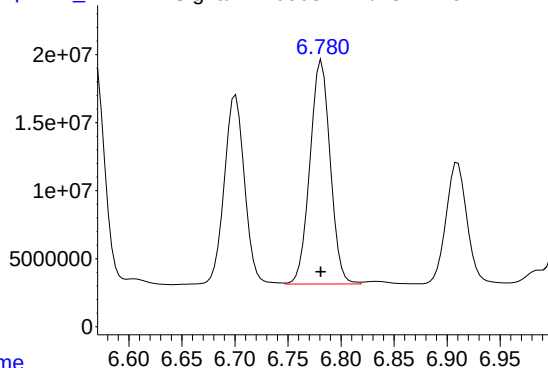
Time Response\_ Signal: PD090812.D\ECD2B.ch



#14 Endrin

R.T.: 5.778 min  
Delta R.T.: -0.002 min  
Response: 1618124031  
Conc: 39.96 ng/ml

Response\_ Signal: PD090812.D\ECD1A.ch



#15 Endosulfan II

R.T.: 6.782 min  
Delta R.T.: 0.000 min  
Response: 218609289  
Conc: 43.72 ng/ml

Instrument :

ECD\_D

ClientSampleId :

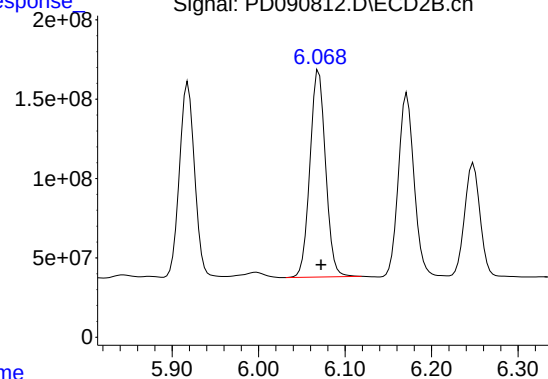
PR-132-S16-015094-20251021MSD

Manual Integrations

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Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025

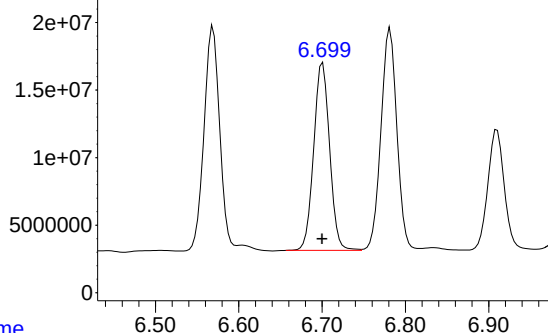
Time Response\_ Signal: PD090812.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.068 min  
Delta R.T.: -0.004 min  
Response: 1625511851  
Conc: 43.28 ng/ml m

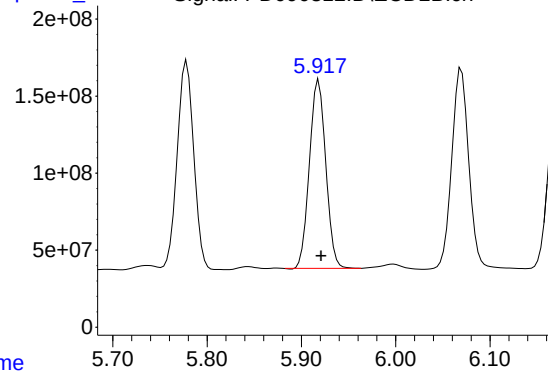
Time Response\_ Signal: PD090812.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.701 min  
Delta R.T.: 0.000 min  
Response: 184179163  
Conc: 45.43 ng/ml

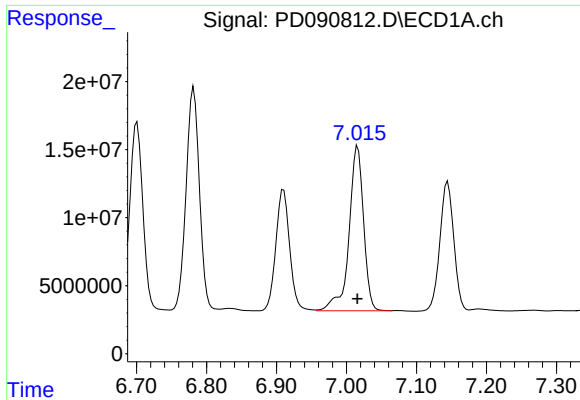
Time Response\_ Signal: PD090812.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.918 min  
Delta R.T.: -0.002 min  
Response: 1472616018  
Conc: 40.41 ng/ml





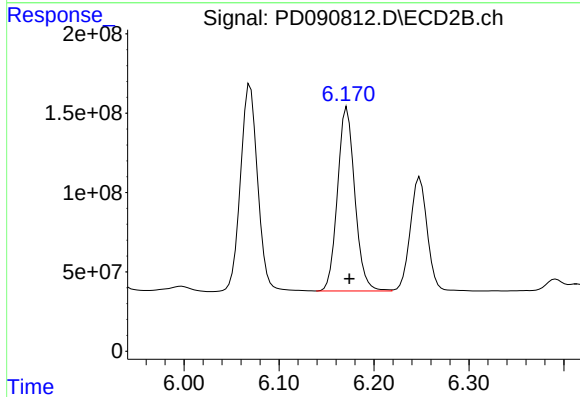
#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 175425619  
Conc: 42.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MSD

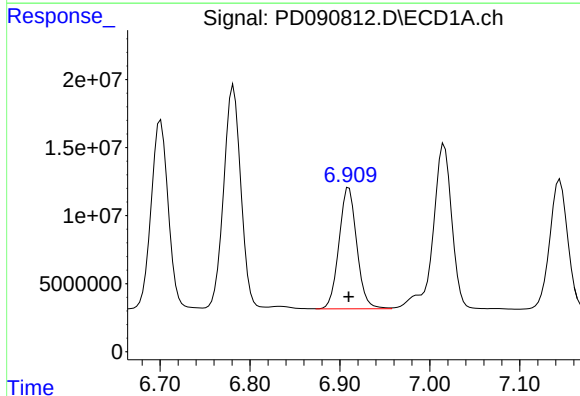
Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025



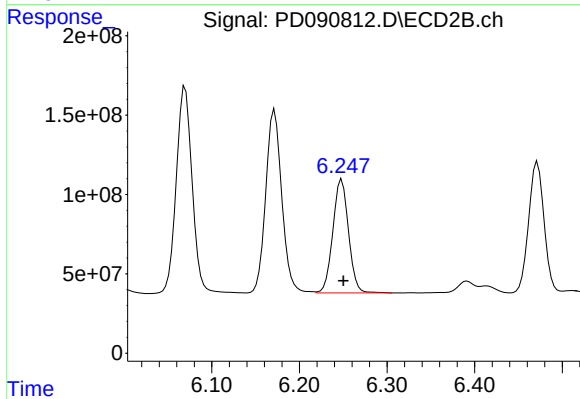
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 1467449249  
Conc: 41.84 ng/ml



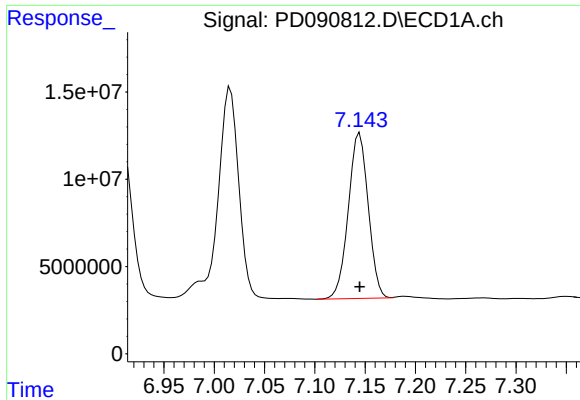
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 122609201  
Conc: 33.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min  
Delta R.T.: -0.002 min  
Response: 887363754  
Conc: 32.04 ng/ml



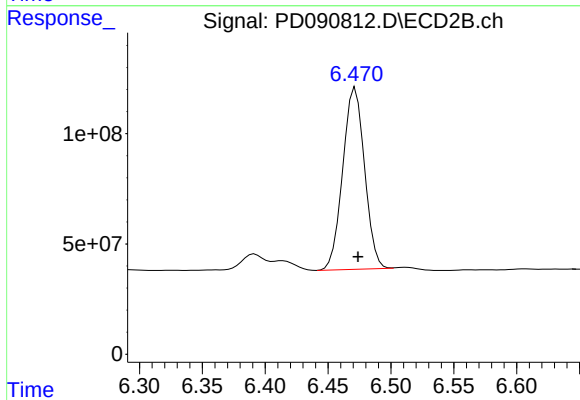
## #19 Endosulfan Sulfate

R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 130203506  
Conc: 28.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MSD

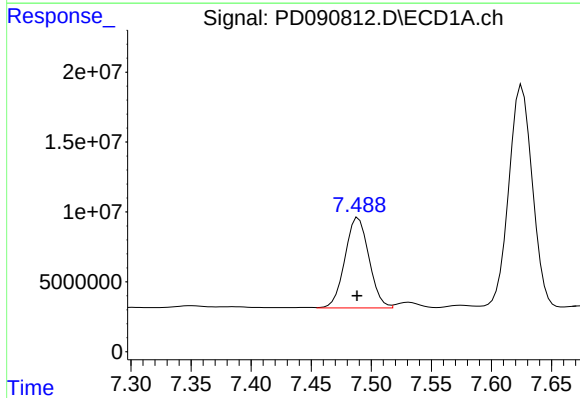
Manual Integrations  
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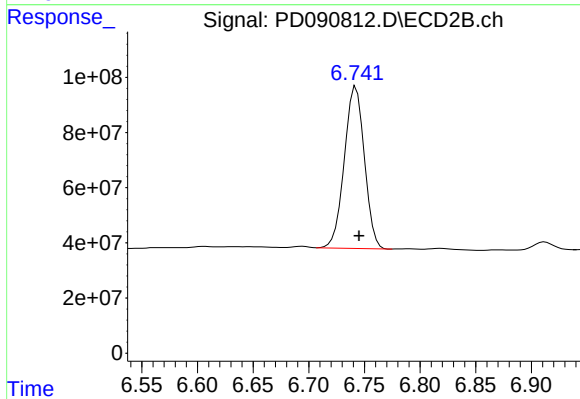
## #19 Endosulfan Sulfate

R.T.: 6.472 min  
Delta R.T.: -0.002 min  
Response: 994013510  
Conc: 27.73 ng/ml



## #20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 90009473  
Conc: 42.35 ng/ml



## #20 Methoxychlor

R.T.: 6.742 min  
Delta R.T.: -0.003 min  
Response: 737892545  
Conc: 42.34 ng/ml

Response\_ Signal: PD090812.D\ECD1A.ch

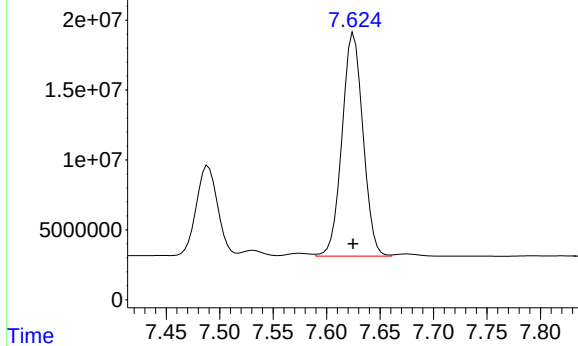
#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 218042914  
Conc: 44.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MSD

Manual Integrations  
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Supervised By :mohammad ahmed 10/28/2025

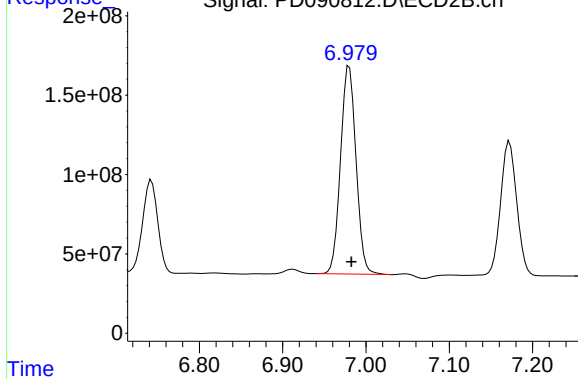


Time

Response\_ Signal: PD090812.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.980 min  
Delta R.T.: -0.003 min  
Response: 1696006543  
Conc: 44.97 ng/ml

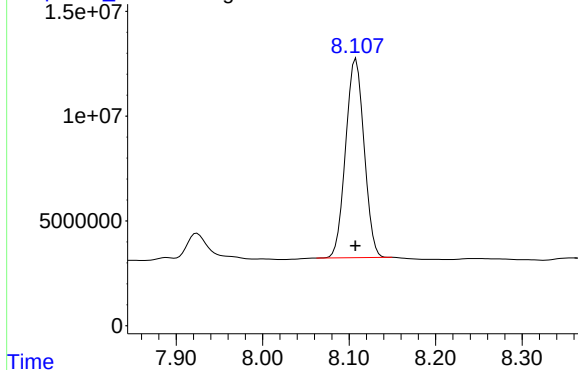


Time

Response\_ Signal: PD090812.D\ECD1A.ch

#22 Mirex

R.T.: 8.108 min  
Delta R.T.: 0.000 min  
Response: 140009299  
Conc: 43.74 ng/ml

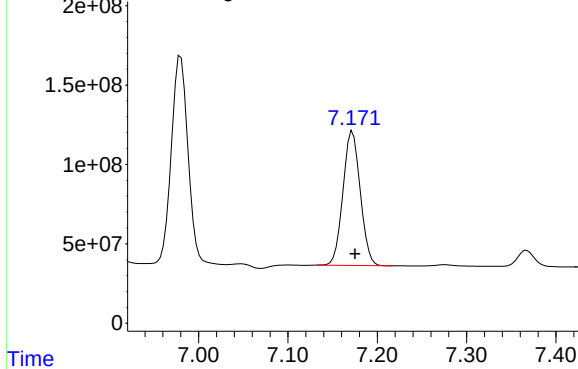


Time

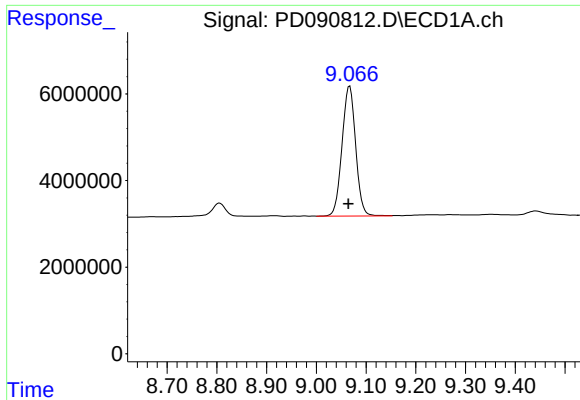
Response\_ Signal: PD090812.D\ECD2B.ch

#22 Mirex

R.T.: 7.172 min  
Delta R.T.: -0.003 min  
Response: 1136841210  
Conc: 44.25 ng/ml



Time



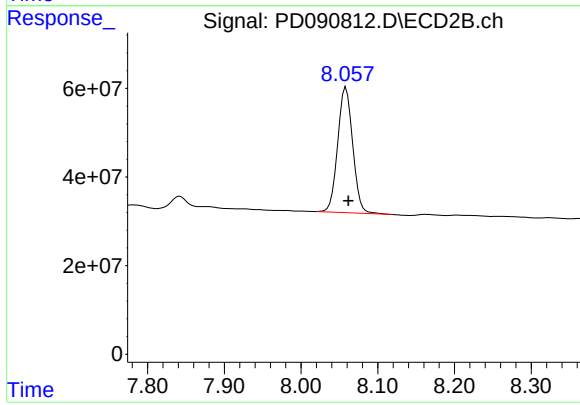
#28 Decachlorobiphenyl

R.T.: 9.067 min  
Delta R.T.: 0.003 min  
Response: 57134503  
Conc: 12.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PR-132-S16-015094-20251021MSD

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Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min  
Delta R.T.: -0.003 min  
Response: 384574724  
Conc: 12.70 ng/ml

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pd101725 | Instrument | ECD_d |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PEM        | PD090648.D | Endrin aldehyde      | Abdul     | 10/19/2025<br>5:20:46 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090648.D | Endrin ketone #2     | Abdul     | 10/19/2025<br>5:20:46 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| RESCHK     | PD090649.D | Tetrachloro-m-xylene | Abdul     | 10/19/2025<br>5:20:37 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | alpha-Chlordane      | Abdul     | 10/19/2025<br>5:19:40 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | Endrin ketone        | Abdul     | 10/19/2025<br>5:19:40 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | Tetrachloro-m-xylene | Abdul     | 10/19/2025<br>5:19:40 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PTOXICV500 | PD090667.D | Toxaphene-5 #2       | Abdul     | 10/21/2025<br>8:49:16 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090669.D | 4,4"-DDD             | Abdul     | 10/21/2025<br>8:49:12 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090669.D | 4,4"-DDD #2          | Abdul     | 10/21/2025<br>8:49:12 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090669.D | Endrin aldehyde      | Abdul     | 10/21/2025<br>8:49:12 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Pd102325 | Instrument | ECD_d |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PEM         | PD090776.D | 4,4"-DDD             | Abdul     | 10/24/2025<br>9:14:01 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-03MS  | PD090784.D | 4,4"-DDD             | Abdul     | 10/24/2025<br>9:13:38 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-03MS  | PD090784.D | beta-BHC #2          | Abdul     | 10/24/2025<br>9:13:38 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-03MS  | PD090784.D | Endosulfan II #2     | Abdul     | 10/24/2025<br>9:13:38 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-03MS  | PD090784.D | gamma-Chlordane      | Abdul     | 10/24/2025<br>9:13:38 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-03MS  | PD090784.D | gamma-Chlordane #2   | Abdul     | 10/24/2025<br>9:13:38 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-03MS  | PD090784.D | Heptachlor epoxide   | Abdul     | 10/24/2025<br>9:13:38 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-03MS  | PD090784.D | Tetrachloro-m-xylene | Abdul     | 10/24/2025<br>9:13:38 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-04MSD | PD090785.D | 4,4"-DDD             | Abdul     | 10/24/2025<br>9:13:32 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-04MSD | PD090785.D | beta-BHC             | Abdul     | 10/24/2025<br>9:13:32 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-04MSD | PD090785.D | beta-BHC #2          | Abdul     | 10/24/2025<br>9:13:32 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-04MSD | PD090785.D | Endosulfan II #2     | Abdul     | 10/24/2025<br>9:13:32 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3395-04MSD | PD090785.D | gamma-Chlordane      | Abdul     | 10/24/2025<br>9:13:32 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Pd102325 | Instrument | ECD_d |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter               | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|-------------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q3395-04MSD | PD090785.D | Tetrachloro-m-xylene    | Abdul     | 10/24/2025<br>9:13:32 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-01    | PD090790.D | Tetrachloro-m-xylene    | Abdul     | 10/24/2025<br>9:13:20 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-04    | PD090793.D | Decachlorobiphenyl      | Abdul     | 10/24/2025<br>9:12:59 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-04    | PD090793.D | Tetrachloro-m-xylene    | Abdul     | 10/24/2025<br>9:12:59 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-05    | PD090794.D | 4,4"-DDE #2             | Abdul     | 10/24/2025<br>9:12:55 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-05    | PD090794.D | Dieldrin                | Abdul     | 10/24/2025<br>9:12:55 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-05    | PD090794.D | Dieldrin #2             | Abdul     | 10/24/2025<br>9:12:55 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-05    | PD090794.D | Tetrachloro-m-xylene    | Abdul     | 10/24/2025<br>9:12:55 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| Q3419-05    | PD090794.D | Tetrachloro-m-xylene #2 | Abdul     | 10/24/2025<br>9:12:55 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| PEM         | PD090800.D | 4,4"-DDD                | Abdul     | 10/24/2025<br>9:12:34 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |
| PEM         | PD090800.D | Endrin aldehyde         | Abdul     | 10/24/2025<br>9:12:34 AM | mohammad      | 10/28/2025<br>6:10:14 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pd102425 | Instrument | ECD_d |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PEM         | PD090809.D | 4,4"-DDD             | Abdul     | 10/27/2025<br>9:11:20 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| PEM         | PD090809.D | 4,4"-DDD #2          | Abdul     | 10/27/2025<br>9:11:20 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| PEM         | PD090809.D | 4,4"-DDE             | Abdul     | 10/27/2025<br>9:11:20 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| PEM         | PD090809.D | 4,4"-DDE #2          | Abdul     | 10/27/2025<br>9:11:20 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| PEM         | PD090809.D | Endrin aldehyde      | Abdul     | 10/27/2025<br>9:11:20 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| PSTDCCC050  | PD090810.D | Endosulfan II        | Abdul     | 10/27/2025<br>9:11:01 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| Q3419-02MS  | PD090811.D | 4,4"-DDD             | Abdul     | 10/27/2025<br>9:10:55 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| Q3419-02MS  | PD090811.D | Endosulfan II #2     | Abdul     | 10/27/2025<br>9:10:55 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| Q3419-02MS  | PD090811.D | Heptachlor epoxide   | Abdul     | 10/27/2025<br>9:10:55 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| Q3419-02MS  | PD090811.D | Tetrachloro-m-xylene | Abdul     | 10/27/2025<br>9:10:55 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| Q3419-03MSD | PD090812.D | Aldrin #2            | Abdul     | 10/27/2025<br>9:10:48 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| Q3419-03MSD | PD090812.D | Endosulfan II #2     | Abdul     | 10/27/2025<br>9:10:48 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| Q3419-03MSD | PD090812.D | Tetrachloro-m-xylene | Abdul     | 10/27/2025<br>9:10:48 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |





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

## Manual Integration Report

Sequence:

pd102425

Instrument

ECD\_d

| Sample ID  | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|--------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PSTDCCC050 | PD090824.D | Heptachlor epoxide | Abdul     | 10/27/2025<br>9:09:55 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |
| PSTDCCC050 | PD090828.D | Heptachlor epoxide | Abdul     | 10/27/2025<br>9:09:13 AM | mohammad      | 10/28/2025<br>6:10:48 | Peak Integrated by Software |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

| Sr# | Sampleld      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PD090646.D     | 17 Oct 2025 10:40 | AR\AJ    | Ok     |
| 2   | I.BLK         | PD090647.D     | 17 Oct 2025 10:53 | AR\AJ    | Ok     |
| 3   | PEM           | PD090648.D     | 17 Oct 2025 11:07 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PD090649.D     | 17 Oct 2025 11:20 | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PD090650.D     | 17 Oct 2025 11:34 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PD090651.D     | 17 Oct 2025 11:48 | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PD090652.D     | 17 Oct 2025 12:01 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PD090653.D     | 17 Oct 2025 12:15 | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PD090654.D     | 17 Oct 2025 12:28 | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PD090655.D     | 17 Oct 2025 12:42 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PD090656.D     | 17 Oct 2025 12:56 | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PD090657.D     | 17 Oct 2025 13:09 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PD090658.D     | 17 Oct 2025 13:23 | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PD090659.D     | 17 Oct 2025 13:36 | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PD090660.D     | 17 Oct 2025 13:50 | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PD090661.D     | 17 Oct 2025 14:03 | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PD090662.D     | 17 Oct 2025 14:17 | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PD090663.D     | 17 Oct 2025 14:30 | AR\AJ    | Ok     |
| 19  | PTOXICC100    | PD090664.D     | 17 Oct 2025 16:18 | AR\AJ    | Ok     |
| 20  | PSTDICV050    | PD090665.D     | 17 Oct 2025 16:46 | AR\AJ    | Ok     |
| 21  | PCHLORICV500  | PD090666.D     | 17 Oct 2025 17:50 | AR\AJ    | Ok     |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | PTOXICV500  | PD090667.D | 17 Oct 2025 18:42 | AR\AJ | Ok,M |
| 23 | I.BLK       | PD090668.D | 17 Oct 2025 19:50 | AR\AJ | Ok   |
| 24 | PEM         | PD090669.D | 17 Oct 2025 20:04 | AR\AJ | Ok,M |
| 25 | PSTDCCC050  | PD090670.D | 17 Oct 2025 20:18 | AR\AJ | Ok   |
| 26 | PB170142BL  | PD090671.D | 17 Oct 2025 20:31 | AR\AJ | Ok   |
| 27 | PB170142BS  | PD090672.D | 17 Oct 2025 20:45 | AR\AJ | Ok   |
| 28 | Q3366-01    | PD090673.D | 17 Oct 2025 20:59 | AR\AJ | Ok,M |
| 29 | Q3366-03    | PD090674.D | 17 Oct 2025 21:12 | AR\AJ | Ok,M |
| 30 | Q3367-01    | PD090675.D | 17 Oct 2025 21:26 | AR\AJ | Ok,M |
| 31 | Q3369-01    | PD090676.D | 17 Oct 2025 21:40 | AR\AJ | Ok,M |
| 32 | Q3369-05    | PD090677.D | 17 Oct 2025 21:53 | AR\AJ | Ok,M |
| 33 | Q3363-01    | PD090678.D | 17 Oct 2025 22:48 | AR\AJ | Ok,M |
| 34 | Q3363-02    | PD090679.D | 17 Oct 2025 23:02 | AR\AJ | Ok,M |
| 35 | Q3363-03    | PD090680.D | 17 Oct 2025 23:15 | AR\AJ | Ok,M |
| 36 | Q3363-04    | PD090681.D | 17 Oct 2025 23:29 | AR\AJ | Ok,M |
| 37 | Q3363-04MS  | PD090682.D | 17 Oct 2025 23:43 | AR\AJ | Ok,M |
| 38 | Q3363-04MSD | PD090683.D | 17 Oct 2025 23:56 | AR\AJ | Ok,M |
| 39 | Q3363-05    | PD090684.D | 18 Oct 2025 00:10 | AR\AJ | Ok,M |
| 40 | Q3343-04MS  | PD090685.D | 18 Oct 2025 00:24 | AR\AJ | Ok,M |
| 41 | Q3343-04MSD | PD090686.D | 18 Oct 2025 00:37 | AR\AJ | Ok   |
| 42 | I.BLK       | PD090687.D | 18 Oct 2025 00:51 | AR\AJ | Ok   |
| 43 | PSTDCCC050  | PD090688.D | 18 Oct 2025 02:13 | AR\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102325**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/24/2025 9:15:27 AM              |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/28/2025 6:10:14 AM              |
| SubDirectory             | PD102325                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                  |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PD090774.D     | 23 Oct 2025 09:11 | AR\AJ    | Ok     |
| 2   | I.BLK       | PD090775.D     | 23 Oct 2025 09:24 | AR\AJ    | Ok     |
| 3   | PEM         | PD090776.D     | 23 Oct 2025 09:38 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PD090777.D     | 23 Oct 2025 09:51 | AR\AJ    | Ok     |
| 5   | PB170213BL  | PD090778.D     | 23 Oct 2025 13:16 | AR\AJ    | Ok     |
| 6   | PB170213BS  | PD090779.D     | 23 Oct 2025 13:30 | AR\AJ    | Ok     |
| 7   | Q3406-01    | PD090780.D     | 23 Oct 2025 13:49 | AR\AJ    | Ok     |
| 8   | Q3412-01    | PD090781.D     | 23 Oct 2025 14:03 | AR\AJ    | Ok,M   |
| 9   | Q3395-01    | PD090782.D     | 23 Oct 2025 14:16 | AR\AJ    | Ok,M   |
| 10  | Q3395-02    | PD090783.D     | 23 Oct 2025 14:30 | AR\AJ    | Ok,M   |
| 11  | Q3395-03MS  | PD090784.D     | 23 Oct 2025 14:44 | AR\AJ    | Ok,M   |
| 12  | Q3395-04MSD | PD090785.D     | 23 Oct 2025 14:57 | AR\AJ    | Ok,M   |
| 13  | Q3395-05    | PD090786.D     | 23 Oct 2025 15:11 | AR\AJ    | Ok,M   |
| 14  | Q3395-06    | PD090787.D     | 23 Oct 2025 15:25 | AR\AJ    | Ok,M   |
| 15  | I.BLK       | PD090788.D     | 23 Oct 2025 15:38 | AR\AJ    | Ok     |
| 16  | PSTDCCC050  | PD090789.D     | 23 Oct 2025 15:52 | AR\AJ    | Ok     |
| 17  | Q3419-01    | PD090790.D     | 23 Oct 2025 16:06 | AR\AJ    | Ok,M   |
| 18  | Q3419-02MS  | PD090791.D     | 23 Oct 2025 16:19 | AR\AJ    | Not Ok |
| 19  | Q3419-03MSD | PD090792.D     | 23 Oct 2025 16:33 | AR\AJ    | Not Ok |
| 20  | Q3419-04    | PD090793.D     | 23 Oct 2025 16:47 | AR\AJ    | Ok,M   |
| 21  | Q3419-05    | PD090794.D     | 23 Oct 2025 17:00 | AR\AJ    | Ok,M   |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102325**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/24/2025 9:15:27 AM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/28/2025 6:10:14 AM              |
| SubDirectory             | PD102325                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                  |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |            |            |                   |       |      |
|----|------------|------------|-------------------|-------|------|
| 22 | Q3422-01   | PD090795.D | 23 Oct 2025 17:14 | AR\AJ | Ok,M |
| 23 | Q3424-01   | PD090796.D | 23 Oct 2025 17:28 | AR\AJ | Ok,M |
| 24 | Q3424-02   | PD090797.D | 23 Oct 2025 17:41 | AR\AJ | Ok,M |
| 25 | Q3424-03   | PD090798.D | 23 Oct 2025 17:55 | AR\AJ | Ok,M |
| 26 | I.BLK      | PD090799.D | 23 Oct 2025 18:09 | AR\AJ | Ok   |
| 27 | PEM        | PD090800.D | 23 Oct 2025 18:22 | AR\AJ | Ok,M |
| 28 | PSTDCCC050 | PD090801.D | 23 Oct 2025 18:36 | AR\AJ | Ok   |
| 29 | Q3427-01   | PD090802.D | 23 Oct 2025 19:17 | AR\AJ | Ok,M |
| 30 | Q3431-01   | PD090803.D | 23 Oct 2025 19:30 | AR\AJ | Ok,M |
| 31 | Q3434-01   | PD090804.D | 23 Oct 2025 19:44 | AR\AJ | Ok,M |
| 32 | I.BLK      | PD090805.D | 23 Oct 2025 19:58 | AR\AJ | Ok   |
| 33 | PSTDCCC050 | PD090806.D | 23 Oct 2025 20:11 | AR\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102425**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/27/2025 9:12:28 AM              |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/28/2025 6:10:48 AM              |
| SubDirectory             | PD102425                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                  |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PD090807.D     | 24 Oct 2025 09:43 | AR\AJ    | Ok     |
| 2   | I.BLK       | PD090808.D     | 24 Oct 2025 09:57 | AR\AJ    | Ok     |
| 3   | PEM         | PD090809.D     | 24 Oct 2025 10:10 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PD090810.D     | 24 Oct 2025 10:24 | AR\AJ    | Ok,M   |
| 5   | Q3419-02MS  | PD090811.D     | 24 Oct 2025 11:02 | AR\AJ    | Ok,M   |
| 6   | Q3419-03MSD | PD090812.D     | 24 Oct 2025 11:16 | AR\AJ    | Ok,M   |
| 7   | PB170235BL  | PD090813.D     | 24 Oct 2025 11:30 | AR\AJ    | Ok     |
| 8   | PB170235BS  | PD090814.D     | 24 Oct 2025 11:43 | AR\AJ    | Ok     |
| 9   | Q3445-01    | PD090815.D     | 24 Oct 2025 12:37 | AR\AJ    | Ok,M   |
| 10  | Q3439-01    | PD090816.D     | 24 Oct 2025 12:50 | AR\AJ    | Ok,M   |
| 11  | Q3439-05    | PD090817.D     | 24 Oct 2025 13:04 | AR\AJ    | Ok,M   |
| 12  | Q3439-05MS  | PD090818.D     | 24 Oct 2025 13:18 | AR\AJ    | Ok,M   |
| 13  | Q3439-05MSD | PD090819.D     | 24 Oct 2025 13:31 | AR\AJ    | Ok,M   |
| 14  | Q3440-01    | PD090820.D     | 24 Oct 2025 13:45 | AR\AJ    | Ok,M   |
| 15  | Q3447-05    | PD090821.D     | 24 Oct 2025 13:58 | AR\AJ    | Ok,M   |
| 16  | Q3447-01    | PD090822.D     | 24 Oct 2025 14:57 | AR\AJ    | Ok,M   |
| 17  | I.BLK       | PD090823.D     | 24 Oct 2025 15:10 | AR\AJ    | Ok     |
| 18  | PSTDCCC050  | PD090824.D     | 24 Oct 2025 15:42 | AR\AJ    | Ok,M   |
| 19  | Q3447-03    | PD090825.D     | 24 Oct 2025 16:24 | AR\AJ    | Not Ok |
| 20  | Q3447-07    | PD090826.D     | 24 Oct 2025 16:38 | AR\AJ    | Ok,M   |
| 21  | I.BLK       | PD090827.D     | 24 Oct 2025 16:51 | AR\AJ    | Ok     |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102425**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/27/2025 9:12:28 AM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/28/2025 6:10:48 AM              |
| SubDirectory             | PD102425                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                  |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |            |            |                   |       |      |
|----|------------|------------|-------------------|-------|------|
| 22 | PSTDCCC050 | PD090828.D | 24 Oct 2025 18:14 | AR\AJ | Ok,M |
|----|------------|------------|-------------------|-------|------|

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

|                          |                                                                                                                                        |                   |                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                  | Review On         | 10/19/2025 5:21:31 PM              |
| Supervise By             | mohammad                                                                                                                               | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                               | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                       |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                        |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                |                   |                                    |
| Surrogate Standard       |                                                                                                                                        |                   |                                    |
| MS/MSD Standard          |                                                                                                                                        |                   |                                    |
| LCS Standard             |                                                                                                                                        |                   |                                    |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PD090646.D     | 17 Oct 2025 10:40 |         | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PD090647.D     | 17 Oct 2025 10:53 |         | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PD090648.D     | 17 Oct 2025 11:07 |         | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PD090649.D     | 17 Oct 2025 11:20 |         | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PSTDICC100    | PD090650.D     | 17 Oct 2025 11:34 |         | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PD090651.D     | 17 Oct 2025 11:48 |         | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PSTDICC050    | PD090652.D     | 17 Oct 2025 12:01 |         | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PD090653.D     | 17 Oct 2025 12:15 |         | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PSTDICC005    | PD090654.D     | 17 Oct 2025 12:28 |         | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PD090655.D     | 17 Oct 2025 12:42 |         | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PD090656.D     | 17 Oct 2025 12:56 |         | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PCHLORICC500  | PD090657.D     | 17 Oct 2025 13:09 |         | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PD090658.D     | 17 Oct 2025 13:23 |         | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PCHLORICC050  | PD090659.D     | 17 Oct 2025 13:36 |         | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PTOXICC1000   | PD090660.D     | 17 Oct 2025 13:50 |         | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PTOXICC750    | PD090661.D     | 17 Oct 2025 14:03 |         | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PTOXICC500    | PD090662.D     | 17 Oct 2025 14:17 |         | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PTOXICC250    | PD090663.D     | 17 Oct 2025 14:30 |         | AR\AJ    | Ok     |



Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |              |                     |            |                   |  |       |      |
|----|--------------|---------------------|------------|-------------------|--|-------|------|
| 19 | PTOXICC100   | PTOXICC100          | PD090664.D | 17 Oct 2025 16:18 |  | AR\AJ | Ok   |
| 20 | PSTDICV050   | ICVPD101725         | PD090665.D | 17 Oct 2025 16:46 |  | AR\AJ | Ok   |
| 21 | PCHLORICV500 | ICVPD101725CHLOR    | PD090666.D | 17 Oct 2025 17:50 |  | AR\AJ | Ok   |
| 22 | PTOXICV500   | ICVPD101725TOX      | PD090667.D | 17 Oct 2025 18:42 |  | AR\AJ | Ok,M |
| 23 | I.BLK        | I.BLK               | PD090668.D | 17 Oct 2025 19:50 |  | AR\AJ | Ok   |
| 24 | PEM          | PEM                 | PD090669.D | 17 Oct 2025 20:04 |  | AR\AJ | Ok,M |
| 25 | PSTDCCC050   | PSTDCCC050          | PD090670.D | 17 Oct 2025 20:18 |  | AR\AJ | Ok   |
| 26 | PB170142BL   | PB170142BL          | PD090671.D | 17 Oct 2025 20:31 |  | AR\AJ | Ok   |
| 27 | PB170142BS   | PB170142BS          | PD090672.D | 17 Oct 2025 20:45 |  | AR\AJ | Ok   |
| 28 | Q3366-01     | TR-06-101625        | PD090673.D | 17 Oct 2025 20:59 |  | AR\AJ | Ok,M |
| 29 | Q3366-03     | TR-1-101625         | PD090674.D | 17 Oct 2025 21:12 |  | AR\AJ | Ok,M |
| 30 | Q3367-01     | BU-03-101625        | PD090675.D | 17 Oct 2025 21:26 |  | AR\AJ | Ok,M |
| 31 | Q3369-01     | MH-22               | PD090676.D | 17 Oct 2025 21:40 |  | AR\AJ | Ok,M |
| 32 | Q3369-05     | MH-21               | PD090677.D | 17 Oct 2025 21:53 |  | AR\AJ | Ok,M |
| 33 | Q3363-01     | PR132-SO1-085011-20 | PD090678.D | 17 Oct 2025 22:48 |  | AR\AJ | Ok,M |
| 34 | Q3363-02     | PR132-SO1-039085-20 | PD090679.D | 17 Oct 2025 23:02 |  | AR\AJ | Ok,M |
| 35 | Q3363-03     | PR132-SO3-028010-20 | PD090680.D | 17 Oct 2025 23:15 |  | AR\AJ | Ok,M |
| 36 | Q3363-04     | PR132-SO3-010013-20 | PD090681.D | 17 Oct 2025 23:29 |  | AR\AJ | Ok,M |
| 37 | Q3363-04MS   | PR132-SO3-010013-20 | PD090682.D | 17 Oct 2025 23:43 |  | AR\AJ | Ok,M |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |                     |            |                   |  |       |      |
|----|-------------|---------------------|------------|-------------------|--|-------|------|
| 38 | Q3363-04MSD | PR132-SO3-010013-20 | PD090683.D | 17 Oct 2025 23:56 |  | AR\AJ | Ok,M |
| 39 | Q3363-05    | COMP01-20251015     | PD090684.D | 18 Oct 2025 00:10 |  | AR\AJ | Ok,M |
| 40 | Q3343-04MS  | SOIL-ROLLOFF-WC-11  | PD090685.D | 18 Oct 2025 00:24 |  | AR\AJ | Ok,M |
| 41 | Q3343-04MSD | SOIL-ROLLOFF-WC-11  | PD090686.D | 18 Oct 2025 00:37 |  | AR\AJ | Ok   |
| 42 | I.BLK       | I.BLK               | PD090687.D | 18 Oct 2025 00:51 |  | AR\AJ | Ok   |
| 43 | PSTDCCC050  | PSTDCCC050          | PD090688.D | 18 Oct 2025 02:13 |  | AR\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102325**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 10/24/2025 9:15:27 AM              |
| Supervise By | mohammad | Supervise On      | 10/28/2025 6:10:14 AM              |
| SubDirectory | PD102325 | HP Acquire Method | HP Processing Method pd101725 8081 |

| STD. NAME                | STD REF.#                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |
| Internal Standard/PEM    |                                                                                                                                        |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                 |
| Surrogate Standard       |                                                                                                                                        |
| MS/MSD Standard          |                                                                                                                                        |
| LCS Standard             |                                                                                                                                        |

| Sr# | SampleId    | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE      | HEXANE               | PD090774.D     | 23 Oct 2025 09:11 |         | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK                | PD090775.D     | 23 Oct 2025 09:24 |         | AR\AJ    | Ok     |
| 3   | PEM         | PEM                  | PD090776.D     | 23 Oct 2025 09:38 |         | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PSTDCCC050           | PD090777.D     | 23 Oct 2025 09:51 |         | AR\AJ    | Ok     |
| 5   | PB170213BL  | PB170213BL           | PD090778.D     | 23 Oct 2025 13:16 |         | AR\AJ    | Ok     |
| 6   | PB170213BS  | PB170213BS           | PD090779.D     | 23 Oct 2025 13:30 |         | AR\AJ    | Ok     |
| 7   | Q3406-01    | ARS20-0037           | PD090780.D     | 23 Oct 2025 13:49 |         | AR\AJ    | Ok     |
| 8   | Q3412-01    | TP-6                 | PD090781.D     | 23 Oct 2025 14:03 |         | AR\AJ    | Ok,M   |
| 9   | Q3395-01    | PR132-S09-000051-20  | PD090782.D     | 23 Oct 2025 14:16 |         | AR\AJ    | Ok,M   |
| 10  | Q3395-02    | PR132-S07-000102-20  | PD090783.D     | 23 Oct 2025 14:30 |         | AR\AJ    | Ok,M   |
| 11  | Q3395-03MS  | PR132-S07-000102-20  | PD090784.D     | 23 Oct 2025 14:44 |         | AR\AJ    | Ok,M   |
| 12  | Q3395-04MSD | PR132-S07-000102-20  | PD090785.D     | 23 Oct 2025 14:57 |         | AR\AJ    | Ok,M   |
| 13  | Q3395-05    | PR132-S07-102116-20  | PD090786.D     | 23 Oct 2025 15:11 |         | AR\AJ    | Ok,M   |
| 14  | Q3395-06    | PR132-COMP03-2025    | PD090787.D     | 23 Oct 2025 15:25 |         | AR\AJ    | Ok,M   |
| 15  | I.BLK       | I.BLK                | PD090788.D     | 23 Oct 2025 15:38 |         | AR\AJ    | Ok     |
| 16  | PSTDCCC050  | PSTDCCC050           | PD090789.D     | 23 Oct 2025 15:52 |         | AR\AJ    | Ok     |
| 17  | Q3419-01    | PR-132-S16-015094-20 | PD090790.D     | 23 Oct 2025 16:06 |         | AR\AJ    | Ok,M   |
| 18  | Q3419-02MS  | PR-132-S16-015094-20 | PD090791.D     | 23 Oct 2025 16:19 |         | AR\AJ    | Not Ok |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102325**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/24/2025 9:15:27 AM              |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/28/2025 6:10:14 AM              |
| SubDirectory             | PD102325                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                  |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |                      |            |                   |                        |       |        |
|----|-------------|----------------------|------------|-------------------|------------------------|-------|--------|
| 19 | Q3419-03MSD | PR-132-S16-015094-20 | PD090792.D | 23 Oct 2025 16:33 | F Flag in 2nd column   | AR\AJ | Not Ok |
| 20 | Q3419-04    | PR132-S16-119133-20  | PD090793.D | 23 Oct 2025 16:47 |                        | AR\AJ | Ok,M   |
| 21 | Q3419-05    | PR132-S16-094119-20  | PD090794.D | 23 Oct 2025 17:00 |                        | AR\AJ | Ok,M   |
| 22 | Q3422-01    | PR132-S15-000008-20  | PD090795.D | 23 Oct 2025 17:14 |                        | AR\AJ | Ok,M   |
| 23 | Q3424-01    | PR132-DP3-20251021   | PD090796.D | 23 Oct 2025 17:28 |                        | AR\AJ | Ok,M   |
| 24 | Q3424-02    | PR132-S11-010080-20  | PD090797.D | 23 Oct 2025 17:41 |                        | AR\AJ | Ok,M   |
| 25 | Q3424-03    | PR132-S14-000094-20  | PD090798.D | 23 Oct 2025 17:55 |                        | AR\AJ | Ok,M   |
| 26 | I.BLK       | I.BLK                | PD090799.D | 23 Oct 2025 18:09 |                        | AR\AJ | Ok     |
| 27 | PEM         | PEM                  | PD090800.D | 23 Oct 2025 18:22 |                        | AR\AJ | Ok,M   |
| 28 | PSTDCCC050  | PSTDCCC050           | PD090801.D | 23 Oct 2025 18:36 |                        | AR\AJ | Ok     |
| 29 | Q3427-01    | TP-8                 | PD090802.D | 23 Oct 2025 19:17 | DCB high in 1st column | AR\AJ | Ok,M   |
| 30 | Q3431-01    | EO-02-10222025       | PD090803.D | 23 Oct 2025 19:30 |                        | AR\AJ | Ok,M   |
| 31 | Q3434-01    | PR132-WC1-20251022   | PD090804.D | 23 Oct 2025 19:44 |                        | AR\AJ | Ok,M   |
| 32 | I.BLK       | I.BLK                | PD090805.D | 23 Oct 2025 19:58 |                        | AR\AJ | Ok     |
| 33 | PSTDCCC050  | PSTDCCC050           | PD090806.D | 23 Oct 2025 20:11 |                        | AR\AJ | Ok     |

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102425**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 10/27/2025 9:12:28 AM              |
| Supervise By | mohammad | Supervise On      | 10/28/2025 6:10:48 AM              |
| SubDirectory | PD102425 | HP Acquire Method | HP Processing Method pd101725 8081 |

| STD. NAME                | STD REF.#                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |
| Internal Standard/PEM    |                                                                                                                                        |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                 |
| Surrogate Standard       |                                                                                                                                        |
| MS/MSD Standard          |                                                                                                                                        |
| LCS Standard             |                                                                                                                                        |

| Sr# | SampleId    | ClientID             | Data File Name | Date-Time         | Comment                          | Operator | Status |
|-----|-------------|----------------------|----------------|-------------------|----------------------------------|----------|--------|
| 1   | HEXANE      | HEXANE               | PD090807.D     | 24 Oct 2025 09:43 |                                  | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK                | PD090808.D     | 24 Oct 2025 09:57 |                                  | AR\AJ    | Ok     |
| 3   | PEM         | PEM                  | PD090809.D     | 24 Oct 2025 10:10 |                                  | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PSTDCCC050           | PD090810.D     | 24 Oct 2025 10:24 |                                  | AR\AJ    | Ok,M   |
| 5   | Q3419-02MS  | PR-132-S16-015094-20 | PD090811.D     | 24 Oct 2025 11:02 | Endosulfan Sulfate recovery fail | AR\AJ    | Ok,M   |
| 6   | Q3419-03MSD | PR-132-S16-015094-20 | PD090812.D     | 24 Oct 2025 11:16 | Endosulfan Sulfate recovery fail | AR\AJ    | Ok,M   |
| 7   | PB170235BL  | PB170235BL           | PD090813.D     | 24 Oct 2025 11:30 |                                  | AR\AJ    | Ok     |
| 8   | PB170235BS  | PB170235BS           | PD090814.D     | 24 Oct 2025 11:43 |                                  | AR\AJ    | Ok     |
| 9   | Q3445-01    | EO-01-102325         | PD090815.D     | 24 Oct 2025 12:37 |                                  | AR\AJ    | Ok,M   |
| 10  | Q3439-01    | TP-9                 | PD090816.D     | 24 Oct 2025 12:50 |                                  | AR\AJ    | Ok,M   |
| 11  | Q3439-05    | TP-10                | PD090817.D     | 24 Oct 2025 13:04 |                                  | AR\AJ    | Ok,M   |
| 12  | Q3439-05MS  | TP-10MS              | PD090818.D     | 24 Oct 2025 13:18 |                                  | AR\AJ    | Ok,M   |
| 13  | Q3439-05MSD | TP-10MSD             | PD090819.D     | 24 Oct 2025 13:31 |                                  | AR\AJ    | Ok,M   |
| 14  | Q3440-01    | JB-2                 | PD090820.D     | 24 Oct 2025 13:45 |                                  | AR\AJ    | Ok,M   |
| 15  | Q3447-05    | P001-TW3-251023-01   | PD090821.D     | 24 Oct 2025 13:58 |                                  | AR\AJ    | Ok,M   |
| 16  | Q3447-01    | P001-TW1-251023-01   | PD090822.D     | 24 Oct 2025 14:57 |                                  | AR\AJ    | Ok,M   |
| 17  | I.BLK       | I.BLK                | PD090823.D     | 24 Oct 2025 15:10 |                                  | AR\AJ    | Ok     |
| 18  | PSTDCCC050  | PSTDCCC050           | PD090824.D     | 24 Oct 2025 15:42 |                                  | AR\AJ    | Ok,M   |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102425**

| Review By                | Abdul                                                                                                                                  | Review On         | 10/27/2025 9:12:28 AM              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                               | Supervise On      | 10/28/2025 6:10:48 AM              |
| SubDirectory             | PD102425                                                                                                                               | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                              |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                        |                   |                                    |
| ICV/I.BLK                | P24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                        |                   |                                    |
| MS/MSD Standard          |                                                                                                                                        |                   |                                    |
| LCS Standard             |                                                                                                                                        |                   |                                    |

|    |            |                    |            |                   |                                                         |       |        |
|----|------------|--------------------|------------|-------------------|---------------------------------------------------------|-------|--------|
| 19 | Q3447-03   | P001-TW2-251023-01 | PD090825.D | 24 Oct 2025 16:24 | F Flag in dcb in 1st column ,<br>DCB high in 1st column | AR\AJ | Not Ok |
| 20 | Q3447-07   | P001-TW4-251023-01 | PD090826.D | 24 Oct 2025 16:38 | DCB high in 1st column                                  | AR\AJ | Ok,M   |
| 21 | I.BLK      | I.BLK              | PD090827.D | 24 Oct 2025 16:51 |                                                         | AR\AJ | Ok     |
| 22 | PSTDCCC050 | PSTDCCC050         | PD090828.D | 24 Oct 2025 18:14 | Comp#4 high in 1st column                               | AR\AJ | Ok,M   |

M : Manual Integration

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/23/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:15  
In Date: 10/22/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:15  
Out Date: 10/23/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137614

| 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    |
|----------|----------------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-------------|
| Q3419-01 | PR-132-S16-015094-20251021 | 1      | 1.15           | 11.01        | 12.16                   | 7.14                      | 54.4    |             |
| Q3419-02 | Q3419-01MS                 | 2      | 1.15           | 11.01        | 12.16                   | 7.14                      | 54.4    |             |
| Q3419-03 | Q3419-01MSD                | 3      | 1.15           | 11.01        | 12.16                   | 7.14                      | 54.4    |             |
| Q3419-04 | PR-132-S16-119133-20251021 | 4      | 1.16           | 10.07        | 11.23                   | 6.37                      | 51.7    |             |
| Q3419-05 | PR-132-S16-094119-20251021 | 5      | 1.19           | 11.07        | 12.26                   | 6.38                      | 46.9    |             |
| Q3422-01 | PR132-S15-000008-20251017  | 6      | 1.18           | 11.02        | 12.2                    | 7.58                      | 58.1    |             |
| Q3424-01 | PR132-DP3-20251021         | 7      | 1.15           | 10.36        | 11.51                   | 5.91                      | 45.9    |             |
| Q3424-02 | PR132-S11-010080-20251021  | 8      | 1.12           | 10.72        | 11.84                   | 6.49                      | 50.1    |             |
| Q3424-03 | PR132-S14-00094-20251021   | 9      | 1.14           | 11.34        | 12.48                   | 6.82                      | 50.1    |             |
| Q3427-01 | TP-8                       | 10     | 1.11           | 10.77        | 11.88                   | 10.84                     | 90.3    |             |
| Q3427-02 | TP-8-EPH                   | 11     | 1.18           | 10.97        | 12.15                   | 10.98                     | 89.3    |             |
| Q3427-03 | TP-8-VOC                   | 12     | 1.19           | 10.26        | 11.45                   | 10.52                     | 90.9    |             |
| Q3429-01 | 40309                      | 13     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | WIPE SAMPLE |
| Q3429-02 | 40310                      | 14     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | WIPE SAMPLE |
| Q3430-01 | BUR-25-0095                | 15     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | WIPE SAMPLE |
| Q3431-01 | EO-02-10222025             | 16     | 1.11           | 10.55        | 11.66                   | 10.64                     | 90.3    |             |
| Q3431-02 | EO-02-10222025-E2          | 17     | 1.17           | 10.59        | 11.76                   | 10.59                     | 89.0    |             |
| Q3434-01 | PR132-WC1-20251022         | 18     | 1.13           | 10.43        | 11.56                   | 7.17                      | 57.9    |             |

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

# WORKLIST(Hardcopy Internal Chain)

137614

WorkList Name : %1-102225 WorkList ID : 192597 Department : Wet-Chemistry Date : 10-22-2025 09:03:13

| Sample   | Customer Sample            | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|----------------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3419-01 | PR-132-S16-015094-20251021 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-02 | Q3419-01MS                 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-03 | Q3419-01MSD                | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-04 | PR-132-S16-119133-20251021 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3419-05 | PR-132-S16-094119-20251021 | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3422-01 | PR132-S15-000008-20251017  | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3424-01 | PR132-DP3-20251021         | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | Chemtech -SO |
| Q3424-02 | PR132-S11-010080-20251021  | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | Chemtech -SO |
| Q3424-03 | PR132-S14-00094-20251021   | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | Chemtech -SO |
| Q3427-01 | TP-8                       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3427-02 | TP-8-EPH                   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3427-03 | TP-8-VOC                   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/21/2025   | Chemtech -SO |
| Q3429-01 | 40309                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D51                         | 10/22/2025   | Chemtech -SO |
| Q3429-02 | 40310                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D51                         | 10/22/2025   | Chemtech -SO |
| Q3430-01 | BUR-25-0095                | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D51                         | 10/22/2025   | Chemtech -SO |
| Q3431-01 | EO-02-10222025             | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D41                         | 10/22/2025   | Chemtech -SO |
| Q3431-02 | EO-02-10222025-E2          | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D41                         | 10/22/2025   | Chemtech -SO |
| Q3434-01 | PR132-WC1-20251022         | Solid  | Percent Solids | Cool 4 deg C | AECO02   | D41                         | 10/22/2025   | Chemtech -SO |

Date/Time 10/22/25 15:00

Raw Sample Received by: JG WWC

Raw Sample Relinquished by: JG WWC

Date/Time

Raw Sample Received by: JG WWC

Raw Sample Relinquished by: JG WWC



SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Extraction Start Date : 10/23/2025

Matrix : Solid

Extraction Start Time : 08:35

Weigh By: EH

Extraction By: RJ

Extraction End Date : 10/23/2025

Balance check: EH

Filter By: RJ

Extraction End Time : 11:55

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 500 PPB             | PP24766             |
| Surrogate     | 1.0ML    | 200 PPB             | PP24663             |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used              | ML/SAMPLE USED | Lot Number |
|----------------------------|----------------|------------|
| Hexane/Acetone/1:1         | N/A            | EP2643     |
| Baked Na2SO4               | N/A            | EP2652     |
| Sand                       | N/A            | E3951      |
| Hexane                     | N/A            | E3978      |
| Florisil                   | N/A            | E3976      |
| 9:1 Hexane:Acetone Mixture | N/A            | EP2644     |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

Envap ID: N-EVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 10/23/25    | RS (Ext Lab)                            | RS, PLS Lab          |
| 12:00       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/23/2025

| Sample ID           | Client Sample ID                          | Test                     | g mL             | PH             | Surr/Spike By:    |                   | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|---------------------|-------------------------------------------|--------------------------|------------------|----------------|-------------------|-------------------|--------------------|-------|----------|-------------|
|                     |                                           |                          |                  |                | AddedBy           | VerifiedBy        |                    |       |          |             |
| PB170213BL          | PBLK213                                   | Pesticide-TCL            | 30.02            | N/A            | ritesh            | Evelyn            | 10                 |       |          | U4-1        |
| PB170213BS          | PLCS213                                   | Pesticide-TCL            | 30.03            | N/A            | ritesh            | Evelyn            | 10                 |       |          | 2           |
| Q3395-01            | PR132-S09-000051-2025<br>1017             | Pesticide-TCL            | 30.06            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 3           |
| Q3395-02            | PR132-S07-000102-2025<br>1017             | Pesticide-TCL            | 30.04            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 4           |
| Q3395-03            | Q3395-02MS                                | Pesticide-TCL            | 30.01            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 5           |
| Q3395-04            | Q3395-02MSD                               | Pesticide-TCL            | 30.08            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 6           |
| Q3395-05            | PR132-S07-102116-2025<br>1017             | Pesticide-TCL            | 30.05            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | U6-1        |
| Q3395-06            | PR132-COMP03-2025101<br>7                 | Pesticide-TCL            | 30.03            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 2           |
| <del>Q3395-07</del> | <del>PR132-S08-038048-2025<br/>1017</del> | <del>Pesticide-TCL</del> | <del>30.01</del> | <del>N/A</del> | <del>ritesh</del> | <del>Evelyn</del> | <del>10</del>      |       |          |             |
| Q3406-01            | ARS20-0037                                | Pesticide-TCL            | 30.01            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 3           |
| Q3412-01            | TP-6                                      | Pesticide-TCL            | 30.04            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 4           |
| Q3419-01            | PR-132-S16-015094-202<br>51021            | Pesticide-TCL            | 30.05            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 5           |
| Q3419-02            | Q3419-01MS                                | Pesticide-TCL            | 30.08            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 6           |
| Q3419-03            | Q3419-01MSD                               | Pesticide-TCL            | 30.02            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | U1-1        |
| Q3419-04            | PR-132-S16-119133-202<br>51021            | Pesticide-TCL            | 30.07            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 2           |
| Q3419-05            | PR-132-S16-094119-202<br>51021            | Pesticide-TCL            | 30.03            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 3           |
| Q3422-01            | PR132-S15-000008-2025<br>1017             | Pesticide-TCL            | 30.01            | N/A            | ritesh            | Evelyn            | 10                 | F     |          | 4           |
| Q3424-01            | PR132-DP3-20251021                        | Pesticide-TCL            | 30.06            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 5           |
| Q3424-02            | PR132-S11-010080-2025<br>1021             | Pesticide-TCL            | 30.09            | N/A            | ritesh            | Evelyn            | 10                 | F     |          | 6           |
| Q3424-03            | PR132-S14-00094-20251<br>021              | Pesticide-TCL            | 30.08            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | U2-1        |
| Q3427-01            | TP-8                                      | Pesticide-TCL            | 30.02            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 2           |
| Q3431-01            | EO-02-10222025                            | Pesticide-TCL            | 30.03            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 3           |
| Q3434-01            | PR132-WC1-20251022                        | Pesticide-TCL            | 30.05            | N/A            | ritesh            | Evelyn            | 10                 | E     |          | 4           |

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3419

WorkList ID : 192631

Department : Extraction

Date : 10-23-2025 08:31:48

| Sample   | Customer Sample            | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|----------------------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| Q3395-01 | PR132-S09-000051-20251017  | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/17/2025   | 8081B  |
| Q3395-02 | PR132-S07-000102-20251017  | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/17/2025   | 8081B  |
| Q3395-03 | Q3395-02MS                 | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/17/2025   | 8081B  |
| Q3395-04 | Q3395-02MSD                | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/17/2025   | 8081B  |
| Q3395-05 | PR132-S07-102116-20251017  | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/17/2025   | 8081B  |
| Q3395-06 | PR132-COMP03-20251017      | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/17/2025   | 8081B  |
| Q3406-01 | ARS20-0037                 | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | D41                         | 10/20/2025   | 8081B  |
| Q3412-01 | TP-6                       | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | D31                         | 10/20/2025   | 8081B  |
| Q3419-01 | PR-132-S16-015094-20251021 | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | 8081B  |
| Q3419-02 | Q3419-01MS                 | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | 8081B  |
| Q3419-03 | Q3419-01MSD                | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | 8081B  |
| Q3419-04 | PR-132-S16-119133-20251021 | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | 8081B  |
| Q3419-05 | PR-132-S16-094119-20251021 | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | 8081B  |
| Q3422-01 | PR132-S15-000008-20251017  | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D41                         | 10/21/2025   | 8081B  |
| Q3424-01 | PR132-DP3-20251021         | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | 8081B  |
| Q3424-02 | PR132-S11-010080-20251021  | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | 8081B  |
| Q3424-03 | PR132-S14-00094-20251021   | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D31                         | 10/21/2025   | 8081B  |
| Q3427-01 | TP-8                       | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | D41                         | 10/21/2025   | 8081B  |
| Q3431-01 | EO-02-10222025             | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG05   | D41                         | 10/22/2025   | 8081B  |
| Q3434-01 | PR132-WC1-20251022         | Solid  | Pesticide-TCL | Cool 4 deg C | AECO02   | D41                         | 10/22/2025   | 8081B  |

Date/Time 10/23/25 8:31  
 Raw Sample Received by: RJ (Ext-1066)  
 Raw Sample Relinquished by: RJ (Ext-1066)

Date/Time 10/23/25 9:10  
 Raw Sample Received by: RJ (Ext-1066)  
 Raw Sample Relinquished by: RJ (Ext-1066)

## Prep Standard - Chemical Standard Summary

**Order ID :** Q3419

**Test :** Pesticide-TCL

**Prepbatch ID :** PB170213

**Sequence ID/Qc Batch ID:** Pd102325,pd102425,PD101725

**Standard ID :**

EP2643,EP2652,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

**Chemical ID :**

E3875,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3976,E3978,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P24754,P9053,

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 230              | 1:1ACETONE/HEXANE | <a href="#">EP2643</a> | 09/16/2025       | 03/16/2026             | Evelyn Huang       | None           | None             | Riteshkumar Patel    |
| 09/16/2025       |                   |                        |                  |                        |                    |                |                  |                      |

**FROM** 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

| <u>Recipe ID</u> | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                      | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|-------------------------------------|------------------|----------------------|
| 3923             | Baked Sodium Sulfate | <a href="#">EP2652</a> | 10/10/2025       | 01/28/2026             | Evelyn Huang       | Extraction_SC<br>ALE_2<br>(EX-SC-2) | None             | Riteshkumar Patel    |
| 10/10/2025       |                      |                        |                  |                        |                    |                                     |                  |                      |

**FROM** 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                             | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 4027             | Pesticide resolution Check Mixture 8081 | <a href="#">PP24651</a> | 06/16/2025       | 12/11/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                         |                         |                  |                        |                    |                |                  | 07/22/2025           |

**FROM** 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP24663</a> | 06/24/2025       | 12/24/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 07/21/2025           |

**FROM** 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                   | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3629             | 20 PPM PEST stock Solution 1st source(RESTEK) | <a href="#">PP24738</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                               |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1472             | 20 PPM Pest Stock Solution 2nd Source | <a href="#">PP24739</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                       |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1273             | 20 PPM Mirex Stock (Primary Source) | <a href="#">PP24740</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                     |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                               | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3663             | 20 PPM MIREX Stock STD (Secondary source) | <a href="#">PP24741</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                           |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml



## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP24742</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3630             | 100/100 PPB PEST Working std.1st Source(RESTEK) | <a href="#">PP24744</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml



## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 80               | 100/100 PPB Pesticide Working Solution 2nd Source | <a href="#">PP24745</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel<br>07/24/2025 |

**FROM** 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 386              | 1000/100 PPB Chlordane STD (Restek) | <a href="#">PP24746</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel<br>07/24/2025 |

**FROM** 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3746             | 1000/100 ppb Chlordane<br>STD-RESTEK 2ND SOURCE | <a href="#">PP24747</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 383              | 1000/100 PPB Toxaphene STD<br>(Restek) | <a href="#">PP24748</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                        |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3669             | 1000/100 PPB TOXAPHENE STD<br>2nd source (RESTEK) | <a href="#">PP24749</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3631             | 75 PPB ICAL PEST<br>STD(RESTEK) | <a href="#">PP24750</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3632             | 50 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24751</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                              |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3633             | 25 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24752</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                              |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3634             | 5 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24753</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3988             | 50 PPB PEST ICV STD(RESTEK) | <a href="#">PP24754</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 528              | CHLOR 750 PPB STD | <a href="#">PP24755</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 529              | CHLOR 500 PPB STD | <a href="#">PP24756</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 530              | CHLOR 250 PPB STD | <a href="#">PP24757</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3408             | CHLOR 50 PPB STD | <a href="#">PP24758</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                  |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml



## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 532              | CHLOR 500 PPB ICV STD | <a href="#">PP24759</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                       |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 533              | TOX 750 PPB STD | <a href="#">PP24760</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 534              | TOX 500 PPB STD | <a href="#">PP24761</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 535              | TOX 250 PPB STD | <a href="#">PP24762</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 2217             | TOX 100 PPB STD | <a href="#">PP24763</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                   | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3670             | TOX 500 PPB ICV std ( RESTEK) | <a href="#">PP24764</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                               |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of PP24749 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 79               | 500 PPB Pesticide Spike Solution | <a href="#">PP24766</a> | 07/28/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 08/19/2025           |

**FROM** 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 758              | PEM Mix w/Surr | <a href="#">PP24942</a> | 09/24/2025       | 03/24/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                |                         |                  |                        |                    |                |                  | 10/10/2025           |

**FROM** 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 ml

## CHEMICAL RECEIPT LOG BOOK

| Supplier                    | ItemCode / ItemName                                    | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 417203 | 07/28/2026      | 07/28/2025 / RUPESH     | 01/29/2025 / Rajesh         | E3875          |

| Supplier         | ItemCode / ItemName                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 12/11/2025      | 06/11/2025 / Rajesh     | 06/04/2025 / Rajesh         | E3941          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/24/2027      | 06/20/2025 / RUPESH     | 05/14/2025 / RUPESH         | E3944          |

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 25A2756718 | 12/31/2028      | 07/09/2025 / RUPESH     | 04/28/2020 / RUPESH         | E3951          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 04/18/2027      | 07/16/2025 / RUPESH     | 07/16/2025 / RUPESH         | E3955          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026      | 07/16/2025 / RUPESH     | 07/16/2025 / RUPESH         | E3956          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026      | 09/15/2025 / Evelyn     | 09/04/2025 / Riteshkumar    | E3971          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/24/2027      | 09/16/2025 / Evelyn     | 09/04/2025 / Riteshkumar    | E3972          |

| Supplier                | ItemCode / ItemName                  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|--------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Agela Technologies Inc. | FS0006 / Cleanert Florisil cartridge | M07456 | 04/03/2026      | 10/03/2025 / Evelyn     | 10/03/2025 / Evelyn         | E3976          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362006 | 04/13/2026      | 10/13/2025 / RUPESH     | 10/08/2025 / Riteshkumar    | E3978          |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0197993 | 01/21/2026      | 07/21/2025 / Abdul      | 07/03/2023 / Abdul          | P12604         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0197993 | 01/21/2026      | 07/21/2025 / Abdul      | 07/03/2023 / Abdul          | P12610         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0200423 | 01/21/2026      | 07/21/2025 / Abdul      | 12/26/2023 / Abdul          | P13038         |

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0199099 | 07/21/2026      | 07/21/2025 / Abdul      | 12/26/2023 / Abdul          | P13041         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 042022 | 01/21/2026      | 07/21/2025 / Abdul      | 01/17/2024 / Abdul          | P13196         |

| Supplier                 | ItemCode / ItemName                             | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 19161 / 8081 pesticide resolution check mixture | 013124 | 12/17/2025      | 06/17/2025 / Abdul      | 02/09/2024 / Abdul          | P13246         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203038 | 01/21/2026      | 07/21/2025 / Abdul      | 05/03/2024 / Ankita         | P13774         |

| Supplier | ItemCode / ItemName                                      | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32074 / Pesticide Performance Evaluation Mix w/Surrogate | A0213999 | 03/24/2026      | 09/24/2025 / Abdul      | 11/19/2024 / Ankita         | P13780         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0214495 | 12/24/2025      | 06/24/2025 / Abdul      | 11/19/2024 / Ankita         | P13786         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0214495 | 01/21/2026      | 07/21/2025 / Abdul      | 11/19/2024 / Ankita         | P13788         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0210240 | 01/21/2026      | 07/21/2025 / Abdul      | 12/09/2024 / Abdul          | P13862         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 112018 | 01/21/2026      | 07/21/2025 / Abdul      | 11/01/2019 / Stephen        | P9053          |





**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MÉXICO  
CP 64070  
TEL +52 81 13 52 67 67  
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

|                       |                                   |               |                                 |
|-----------------------|-----------------------------------|---------------|---------------------------------|
| PRODUCT :             | SODIUM SULFATE CRYSTALS ANHYDROUS |               |                                 |
| QUALITY :             | ACS (CODE RMB3375)                | FORMULA :     | Na <sub>2</sub> SO <sub>4</sub> |
| SPECIFICATION NUMBER: | 6399                              | RELEASE DATE: | MAY/23/2024                     |
| LOT NUMBER :          | 417203                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.8 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.2         |
| Insoluble matter                         | Max. 0.01%     | 0.001 %     |
| Loss on ignition                         | Max. 0.5%      | 0.1 %       |
| Chloride (Cl)                            | Max. 0.001%    | <0.001 %    |
| Nitrogen compounds (as N)                | Max. 5 ppm     | <5 ppm      |
| Phosphate (PO <sub>4</sub> )             | Max. 0.001%    | <0.001 %    |
| Heavy metals (as Pb)                     | Max. 5 ppm     | <5 ppm      |
| Iron (Fe)                                | Max. 0.001%    | <0.001 %    |
| Calcium (Ca)                             | Max. 0.01%     | 0.001 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.001 %     |
| Extraction-concentration suitability     | Passes test    | Passes test |
| Appearance                               | Passes test    | Passes test |
| Identification                           | Passes test    | Passes test |
| Solubility and foreign matter            | Passes test    | Passes test |
| Retained on US Standard No. 10 sieve     | Max. 1%        | 0.2 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 96.2 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 3.5 %       |
| Through US Standard No. 100 sieve        | Max. 10%       | 0.1 %       |

## COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

|                   |                                                                                                                                                                                                   |                             |            |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| Catalog Number    | H303                                                                                                                                                                                              | Quality Test / Release Date | 11/07/2024 |
| Lot Number        | 243570                                                                                                                                                                                            |                             |            |
| Description       | HEXANES - OPTIMA                                                                                                                                                                                  |                             |            |
| Country of Origin | United States                                                                                                                                                                                     | Suggested Retest Date       | Nov/2029   |
| Chemical Origin   | Organic - non animal                                                                                                                                                                              |                             |            |
| BSE/TSE Comment   | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. |                             |            |

| N/A                         |            |                                 |                         |
|-----------------------------|------------|---------------------------------|-------------------------|
| Result Name                 | Units      | Specifications                  | Test Value              |
| APPEARANCE                  |            | REPORT                          | Clear, colorless liquid |
| ASSAY (N-HEXANE)            | %          | >= 60                           | 69                      |
| ASSAY (SUM C6 HYDROCARBONS) | %          | >= 99.9                         | >99.9                   |
| COLOR                       | APHA       | <= 5                            | <5                      |
| DENSITY AT 25 DEGREES C     | GM/ML      | Inclusive Between 0.653 - 0.673 | 0.669                   |
| EVAPORATION RESIDUE         | ppm        | <= 1                            | <1                      |
| FLUORESCENCE BACKGROUND     | ppb        | <= 1                            | <1                      |
| IDENTIFICATION              | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| OPTICAL ABS AT 195 NM       | ABS. UNITS | <= 1                            | 0.74                    |
| OPTICAL ABS AT 210 NM       | ABS. UNITS | <= 0.25                         | 0.17                    |
| OPTICAL ABS AT 220 NM       | ABS. UNITS | <= 0.07                         | 0.05                    |
| OPTICAL ABS AT 254 NM       | ABS. UNITS | <= 0.005                        | 0.001                   |
| PESTICIDE RESIDUE ANALYSIS  | NG/L       | <= 10                           | <10                     |
| REFRACTIVE INDEX @ 25 DEG C |            | Inclusive Between 1.375 - 1.385 | 1.379                   |
| SUITABILITY FOR GC/MS       |            | = PASS TEST                     | PASS TEST               |
| SULFUR COMPOUNDS            | %          | <= 0.005                        | <0.005                  |
| THIOPHENE                   | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| WATER (H2O)                 | %          | <= 0.01                         | <0.01                   |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G      | <= 0.0003                       | 0.0001                  |



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
 If there are any questions with this certificate, please call at (800) 227-6701.  
 \*Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (μeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



|                      |                                |
|----------------------|--------------------------------|
| Material             | BDH9274-2.5KG                  |
| Material Description | BDH SAND STDD OTTAWA W+I 2.5KG |
| Grade                | NOT APPLICABLE                 |
| Batch                | 25A2756718                     |
| Reassay Date         | 12/31/2028                     |
| CAS Number           | 14808-60-7                     |
| Molecular Formula    | SiO <sub>2</sub>               |
| Molecular Mass       | 60.09                          |
| Date of Manufacture  | 12/05/2024                     |
| Storage              | Room Temperature               |

| Characteristics               | Specifications  | Measured Values |
|-------------------------------|-----------------|-----------------|
| Appearance                    | Beige granules. | Beige granules. |
| Moisture                      | <= 0.1 %        | 0.1 %           |
| Particle Size 30-40 mesh      | >= 80 %         | 99 %            |
| CUSTOMER PART # BDH9274-2.5KG |                 |                 |

*Received on 1/12/25.*

**E3951**

Internal ID #: 793

| Signature                                                                                                                                                                                                                                                                                                   | Additional Information                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>We certify that this batch conforms to the specifications listed above.</p> <p>This document has been electronically produced and is valid without a signature.</p> <p>Leona Edwardson, Quality Control Sr. Manager - Solon<br/> VWR Chemicals, LLC.<br/> 28600 Fountain Parkway, Solon OH 44139 USA</p> | <p>Analysis may have been rounded to significant digits in specification limits</p> <p>Product meets analytical specifications of the grades listed.</p> |

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 24H2762008  
Manufactured Date: 2024-04-18  
Expiration Date: 2027-04-18  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

*Received on 7/16/25*

**E 3955**

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis

 **avantors**<sup>™</sup>



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

*Received on 7/16/25*

**E3956**



Jamie Croak  
Director Quality Operations, Bioscience Production

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis



Material No.: 9262-03  
Batch No.: 25C0362005  
Manufactured Date: 2025-01-29  
Expiration Date: 2026-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

Jamie Croak  
Director Quality Operations, Bioscience Production

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



Cleanert Florisil

1g/6ml 30/pkg

LOT#:M07456

MFG#:G02147

CAT#FS0006



固相萃取产品

Made in China

Agela Technologies

E 3976



n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis

 **avantors<sup>TM</sup>**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 4           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.2 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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%

P13039  
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 P13043  
 5  
 1  
 JAW  
 12/26/23

## Quality Confirmation Test

**Column:**  
 30m x .25mm x .2um  
 Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
 helium-constant pressure 20 psi.

**Temp. Program:**  
 150°C to 300°C  
 @ 4°C/min. (hold 5 min.)

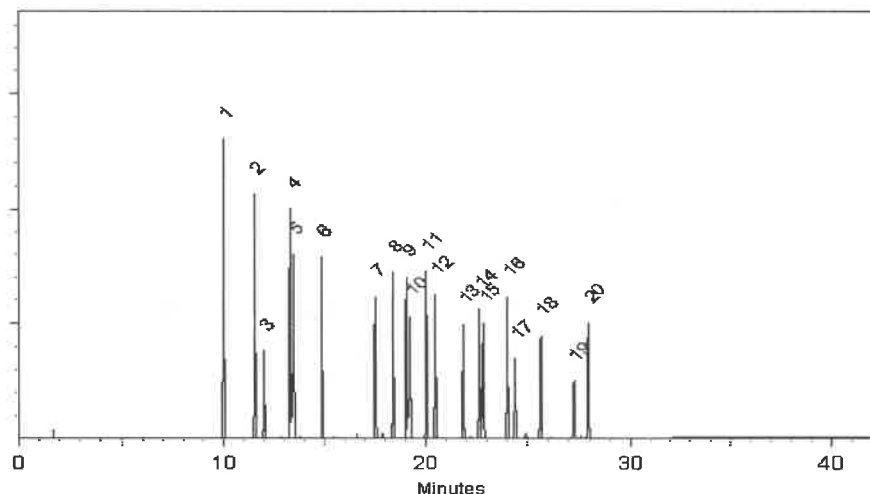
**Inj. Temp:**  
 200°C

**Det. Temp:**  
 300°C

**Det. Type:**  
 ECD

**Split Vent:**  
 Split ratio 50:1

**Inj. Vol**  
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Josh McCloskey*  
 Josh McCloskey - Operations Technician I

**Date Mixed:** 19-Jun-2023

**Balance Serial #** 1128360905

*Jennifer Pollino*  
 Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 23-Jun-2023

Manufactured under Restek's ISO 9001:2015  
 Registered Quality System  
 Certificate #FM 80397

**CERTIFIED WEIGHT REPORT**

|              |               |
|--------------|---------------|
| Part Number: | <u>79136</u>  |
| Lot Number:  | <u>042022</u> |
| Description: | <u>Milrex</u> |

|                    |             |
|--------------------|-------------|
| <b>Solvent(s):</b> | <b>Lot#</b> |
| Acetone            | 81025       |

Formulated By: Prashant Chauhan DATE 04/02/22

**Expiration Date:** 042027

**Recommended Storage:** Refrigerate (4 °C)

**Nominal Concentration ( $\mu\text{g/mL}$ ):**

**NIST Test ID#:**

**Weight(s) shown below were combined and diluted to (mL)::**

5E-05 Balance Uncertainty  
0.006 Flask Uncertainty

|              |                                                                                       |        |
|--------------|---------------------------------------------------------------------------------------|--------|
| Reviewed By: |  | 042022 |
|              | Pedro L. Ramos                                                                        | DATE   |

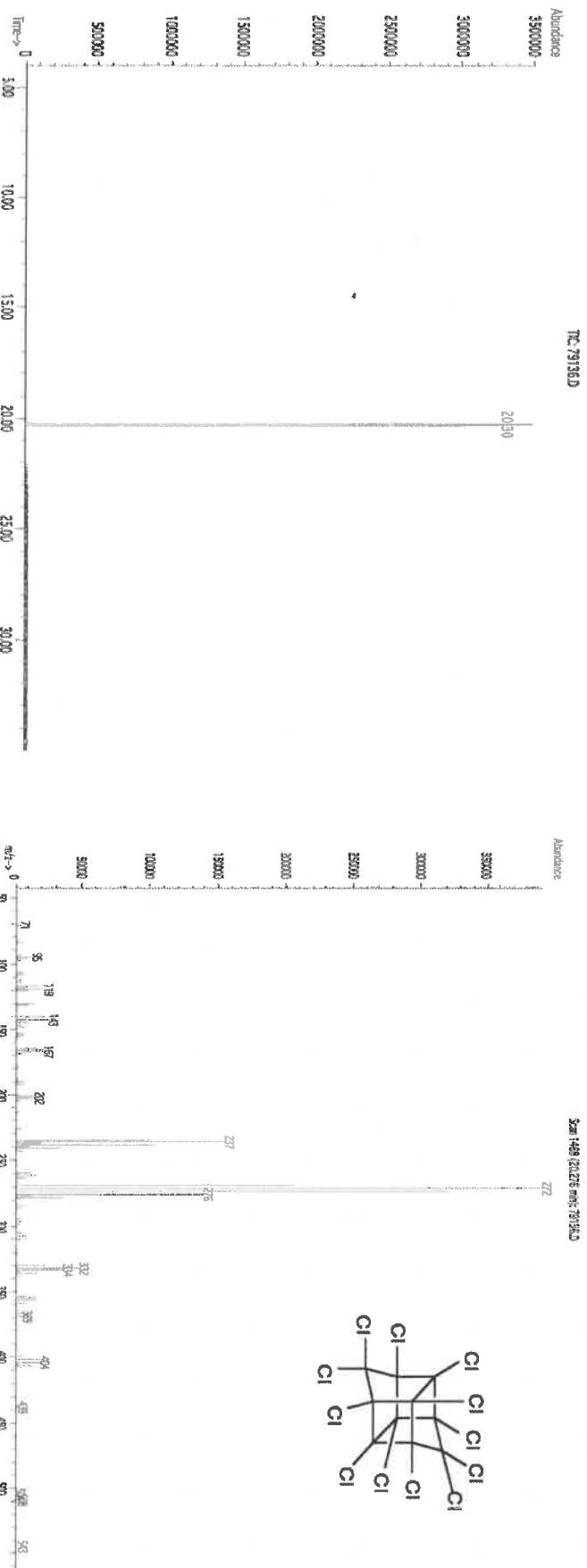
042022  
DATE

## SDS Information

[illegible]

| 1. Mirex | 437 | 9492400 | 1000 | 99.4 | 0.5 | 0.05034 | 0.05040 | 1001.1 | 10.3 | 2385-85-5 | N/A | oil-rat 306mg/kg |
|----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|------------------|
|----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|------------------|

**Method GC7MSD-1.M:** Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



\* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.  
 \* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).  
 \* Standards are certified ( $\pm$ ) 0.5% of the stated value, unless otherwise stated.

- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.

- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result,"

NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024  
JALIN

5



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

**Catalog No. :** 32021 **Lot No.:** A0197993  
**Description :** Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 10°C or colder  
**Ship:** Ambient

P 12603  
↓  
P 12605  
[3]  
Kauf  
7/3/2023

### CERTIFIED VALUES

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|----------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | ----%  | 1,005.0 µg/mL               | +/- 55.7700                            |

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

\* Expanded Uncertainty displayed in same units as Grav. Conc.

### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

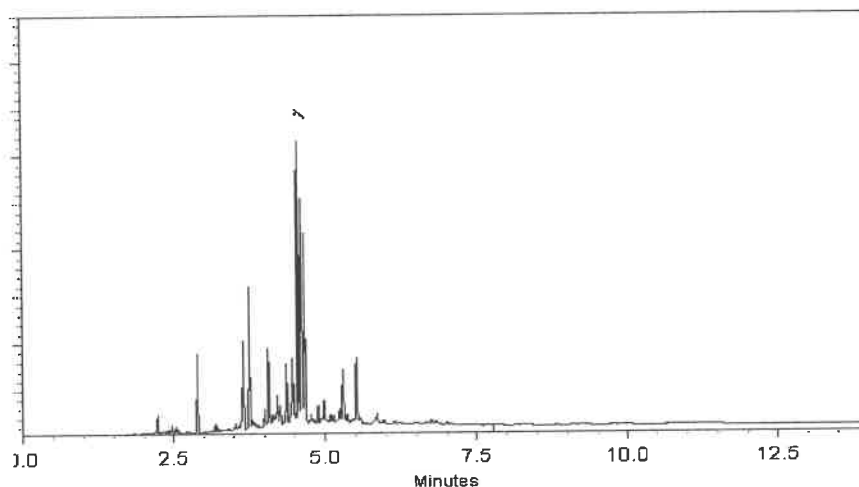
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Morgan Craighead - Mix Technician

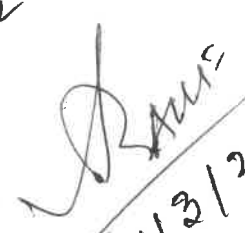
Date Mixed: 11-May-2023

Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 12603 } (3)  
↓  
P 12605  
  
7/3/2023





110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

### Certificate of Analysis *chromatographic plus*



#### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No.: 32021 Lot No.: A0197993  
Description: Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
Container Size: 2 mL Pkg Amt: > 1 mL  
Expiration Date: August 31, 2029 Storage: 10°C or colder  
Ship: Ambient

*Handwritten:* P 12606  
P 12610  
5 Five  
7/3/2023

#### CERTIFIED VALUES

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty* (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|---------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | ----   | 1,005.0 µg/mL               | +/- 55.7700                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

#### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. { hold 10 min.}

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

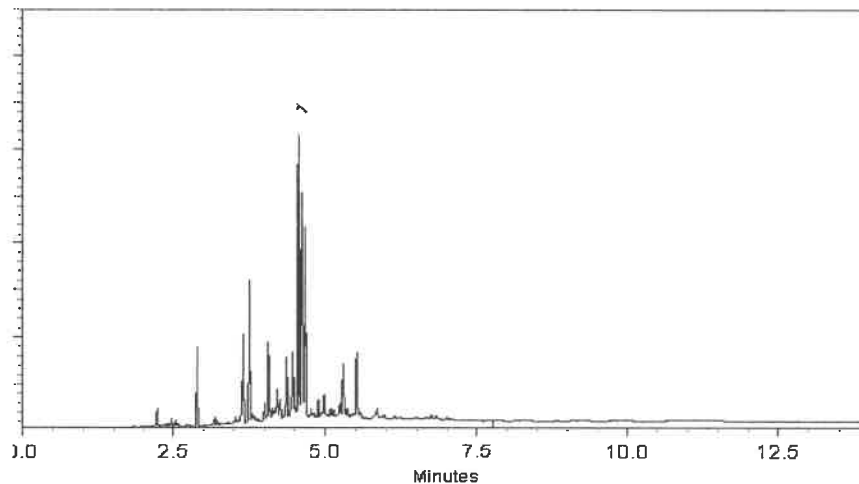
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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.: A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2027

Storage: 10°C or colder

Ship: Ambient

P 13034  
↓  
P 13038  
12.26.2023

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | alpha-BHC                     | 319-84-6   | 14434500   | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 2             | gamma-BHC (Lindane)           | 58-89-9    | 14184400   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 3             | beta-BHC                      | 319-85-7   | BCCC6425   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 4             | delta-BHC                     | 319-86-8   | 14450800   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 5             | Heptachlor                    | 76-44-8    | 813251     | 99%    | 202.0 µg/mL                 | +/- 9.0629                             |
| 6             | Aldrin                        | 309-00-2   | 14389400   | 98%    | 200.9 µg/mL                 | +/- 9.0136                             |
| 7             | Heptachlor epoxide (isomer B) | 1024-57-3  | 14448800   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 8             | trans-Chlordane               | 5103-74-2  | 34616      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 9             | cis-Chlordane                 | 5103-71-9  | 31766      | 98%    | 201.4 µg/mL                 | +/- 9.0356                             |
| 10            | Endosulfan I                  | 959-98-8   | BCCF4060   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 11            | 4,4'-DDE                      | 72-55-9    | GHYQG      | 99%    | 201.5 µg/mL                 | +/- 9.0405                             |
| 12            | Dieldrin                      | 60-57-1    | 14515000   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 13            | Endrin                        | 72-20-8    | 14485300   | 98%    | 200.4 µg/mL                 | +/- 8.9916                             |
| 14            | 4,4'-DDD                      | 72-54-8    | HAN02      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 15            | Endosulfan II                 | 33213-65-9 | 14374700   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 16            | 4,4'-DDT                      | 50-29-3    | 230410JLMA | 98%    | 201.9 µg/mL                 | +/- 9.0575                             |

|    |                    |            |          |     |             |            |
|----|--------------------|------------|----------|-----|-------------|------------|
| 17 | Endrin aldehyde    | 7421-93-4  | 30720    | 98% | 201.4 µg/mL | +/- 9.0356 |
| 18 | Endosulfan sulfate | 1031-07-8  | BCCH9010 | 99% | 200.5 µg/mL | +/- 8.9956 |
| 19 | Methoxychlor       | 72-43-5    | 14563200 | 98% | 200.9 µg/mL | +/- 9.0136 |
| 20 | Endrin ketone      | 53494-70-5 | 14537700 | 98% | 199.9 µg/mL | +/- 8.9696 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)  
**CAS #** 110-54-3/108-88-3  
**Purity** 99%

P13034  
P13038  
1  
5  
12/26/2023

## Quality Confirmation Test

**Column:**  
30m x .25mm x .2µm  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
150°C to 300°C  
@ 4°C/min. (hold 5 min.)

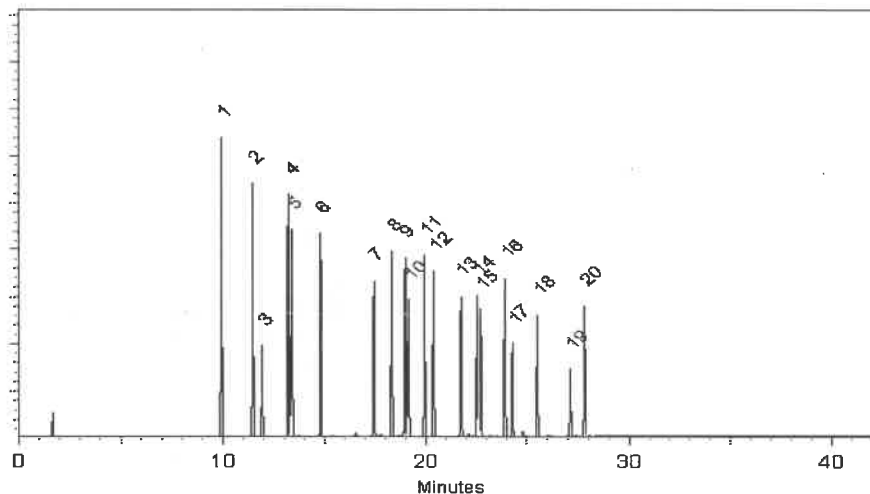
**Inj. Temp:**  
200°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
Split ratio 50:1

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

**Date Mixed:** 31-Jul-2023

**Balance Serial #** B442140311

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 03-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



**CERTIFIED WEIGHT REPORT**

Part Number:  
Lot Number:  
Description:

**19161**  
**013124**

CLP Pesticides & PCBs Resolution Check Standard

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Hexane

273615

Recommended Storage:

Refrigerate (4 °C)

Toluene

28508

(50%)  
(50%)

Nominal Concentration (µg/mL):

Varied

NIST Test ID#:

6UTB

5E-05

Balance Uncertainty  
Pipet Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

0.021

|                                      |  |        |
|--------------------------------------|--|--------|
| Formulated By: <i>Lawrence Barry</i> |  | 013124 |
| Reviewed By: <i>Pedro L. Rentes</i>  |  | 013124 |
| DATE                                 |  | DATE   |

**SDS Information**

Compound: trans-Chlordane

| Part Number                     | Lot Number | Dil. Factor | Initial Vol. (mL) | Uncertainty (mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty (±) µg/mL | CAS#       | OSHA PEL (TWA)   | LD50              |
|---------------------------------|------------|-------------|-------------------|------------------|-----------------------|---------------------|--------------------------------|------------|------------------|-------------------|
| 1. trans-Chlordane              | 19361      | 0.010       | 1.00              | 0.004            | 101.3                 | 1.0                 | 0.02                           | 5103-74-2  | 0.5mg/m3 (skin)  | or-rat 500mg/kg   |
| 2. Endosulfan I                 | 19361      | 0.010       | 1.00              | 0.004            | 101.3                 | 1.0                 | 0.02                           | 959-98-8   | 0.1mg/m3 (skin)  | or-rat 18mg/kg    |
| 3. 4,4'-DDE                     | 19361      | 0.010       | 1.00              | 0.004            | 201.6                 | 2.0                 | 0.03                           | 72-55-9    | N/A              | or-rat 880mg/kg   |
| 4. Dieldrin                     | 19361      | 0.010       | 1.00              | 0.004            | 202.8                 | 2.0                 | 0.03                           | 60-57-1    | 0.25mg/m3 (skin) | or-rat 36300µg/kg |
| 5. Endosulfan sulfate           | 19361      | 0.010       | 1.00              | 0.004            | 204.2                 | 2.0                 | 0.03                           | 1031-07-8  | N/A              | or-rat 18mg/kg    |
| 6. Endrin ketone                | 19361      | 0.010       | 1.00              | 0.004            | 202.6                 | 2.0                 | 0.03                           | 53494-70-5 | N/A              | N/A               |
| 7. 4,4-Methoxychlor             | 19361      | 0.010       | 1.00              | 0.004            | 1000.7                | 10.0                | 0.09                           | 72-43-5    | 10mg/m3          | or-rat 6000mg/kg  |
| 8. 2,4,5,6-Tetrachloro-m-xylene | 19361      | 0.010       | 1.00              | 0.004            | 202.6                 | 2.0                 | 0.03                           | 877-09-8   | N/A              | N/A               |
| 9. Decachlorobiphenyl (209)     | 19361      | 0.010       | 1.00              | 0.004            | 202.0                 | 2.0                 | 0.03                           | 2051-24-3  | N/A              | N/A               |

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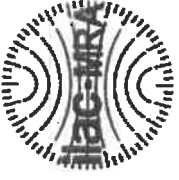


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## CERTIFIED REFERENCE MATERIAL

### Certificate of Analysis *chromatographic plus*



#### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32005 **Lot No.:** A0203038

**Description :** Toxaphene Standard

**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%

Handwritten notes and signatures:

- Signature: *[Signature]*
- Date: *11/19/24*
- Text: *P13779*
- Text: *P13773*

## 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.)

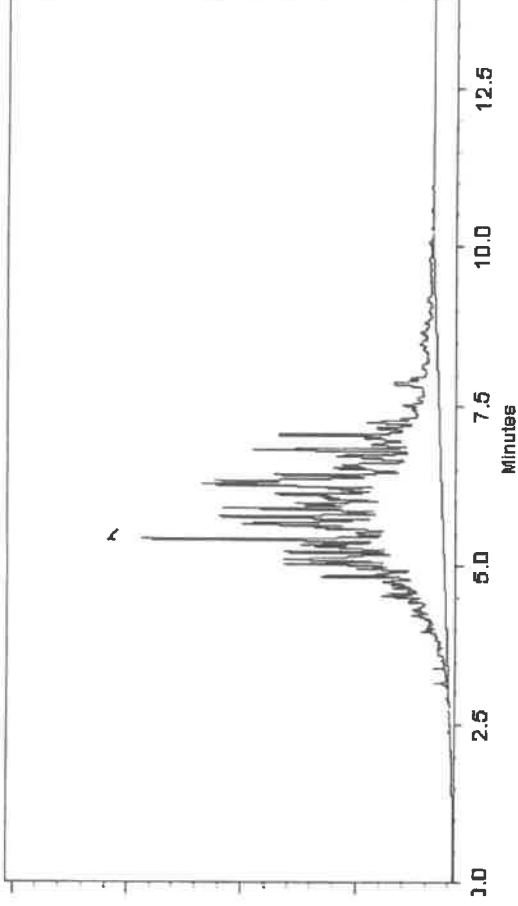
**Inj. Temp:**  
250°C

**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.

*J.P.*

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

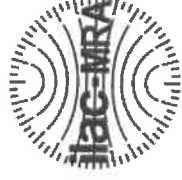
Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FW 80397

*(P)*  
P13773  
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10-50



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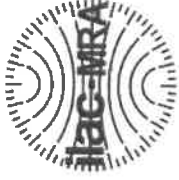
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## CERTIFIED REFERENCE MATERIAL

# 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.:** 32074 **Lot No.:** A0213999

**Description:** Pesticide Performance Eval Mix w/Surrogate

**Container Size:** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date:** July 31, 2028 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

PI8780 AJ  
11/19/24

PI8784

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #     | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|-----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407  | 99%    | 2.0 µg/mL                   | +/- 0.1506                             |
| 2             | alpha-BHC                    | 319-84-6  | 15279000  | 99%    | 1.0 µg/mL                   | +/- 0.0749                             |
| 3             | gamma-BHC (Lindane)          | 58-89-9   | 14931300  | 97%    | 1.0 µg/mL                   | +/- 0.0756                             |
| 4             | beta-BHC                     | 319-85-7  | BCCC6425  | 99%    | 1.0 µg/mL                   | +/- 0.0749                             |
| 5             | Endrin                       | 72-20-8   | 15076100  | 98%    | 5.0 µg/mL                   | +/- 0.3769                             |
| 6             | 4,4'-DDT                     | 50-29-3   | 231103JLM | 97%    | 10.0 µg/mL                  | +/- 0.7512                             |
| 7             | Methoxychlor                 | 72-43-5   | 14979500  | 98%    | 24.8 µg/mL                  | +/- 1.8543                             |
| 8             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638     | 99%    | 2.0 µg/mL                   | +/- 0.1513                             |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%



**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

**Quality Confirmation Test**

**Column:**

30m x .25mm x .2µm  
Rtx-CLP II (cat.# 111323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

150°C to 300°C  
@ 4°C/min. ( hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

300°C

**Det. Type:**

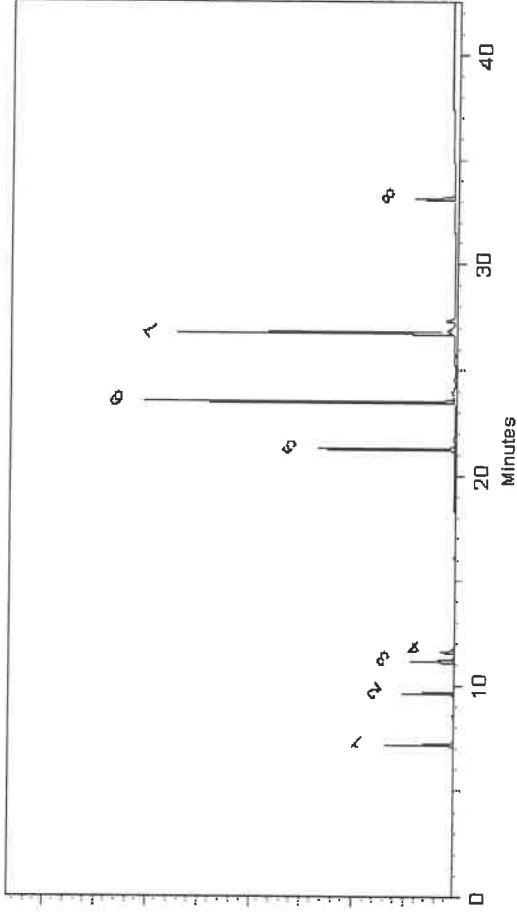
ECD

**Split Vent:**

Split ratio 50:1

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Malina Homan*

Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505

*Jennifer Pollino*

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

Manufactured under Restek's ISO 9001:2015  
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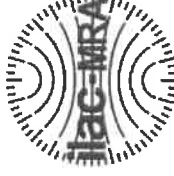
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Fax: 1-814-353-1309

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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. :** 32000      **Lot No.:** A0214495

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL      **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2030      **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use.      **Ship:** Ambient

P19785  
AJ  
11/19/24  
P19789

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.2 µg/mL                 | +/- 11.1087                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.4 µg/mL                 | +/- 11.1753                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

## Quality Confirmation Test

**Column:**  
30m x 25mm x 2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. (hold 10 min.)

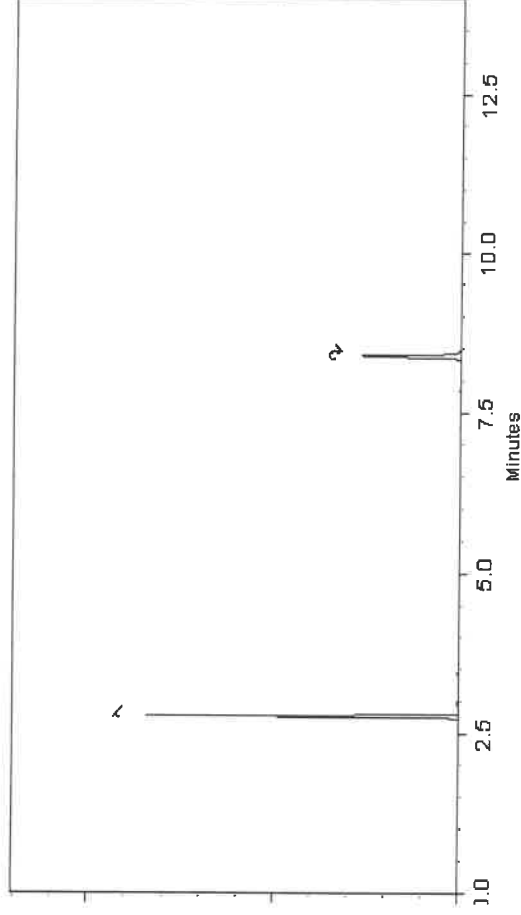
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
10 ml/min.

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A. O. P.*  
**Aaron Enyart - Operations Tech I**

**Date Mixed:** 29-Jul-2024      **Balance Serial #** B345965662

*Jennifer Pollino*  
**Jennifer Pollino - Operations Tech III - ARM QC**

**Date Passed:** 01-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



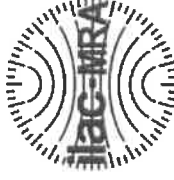
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32000 **Lot No.:** A0214495

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785  
AJ  
11/19/24  
P19789

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.2 µg/mL                 | +/- 11.1087                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.4 µg/mL                 | +/- 11.1753                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

## Quality Confirmation Test

**Column:**  
30m x 25mm x 2µm  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. (hold 10 min.)

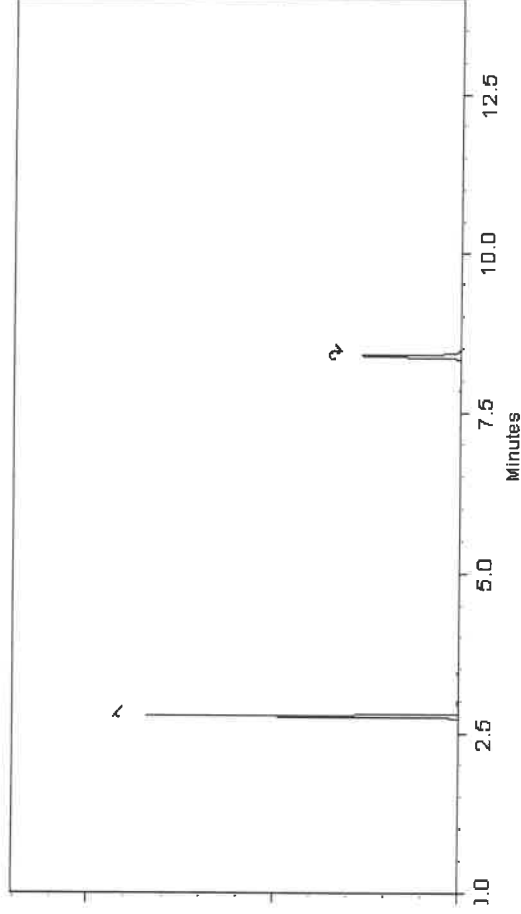
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
10 ml/min.

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A. O. P.*  
**Aaron Enyart - Operations Tech I**

**Date Mixed:** 29-Jul-2024      **Balance Serial #** B345965662

*Jennifer Pollino*  
**Jennifer Pollino - Operations Tech III - ARM QC**

**Date Passed:** 01-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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chromatographic plus



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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**Catalog No. :** 32005 **Lot No.:** A0210240  
**Description :** Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** July 31, 2028 **Storage:** 10°C or colder  
**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | ----%  | 1,009.3 µg/mL               | +/- 56.0105                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

P13861  
P13862

12/9/2024

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

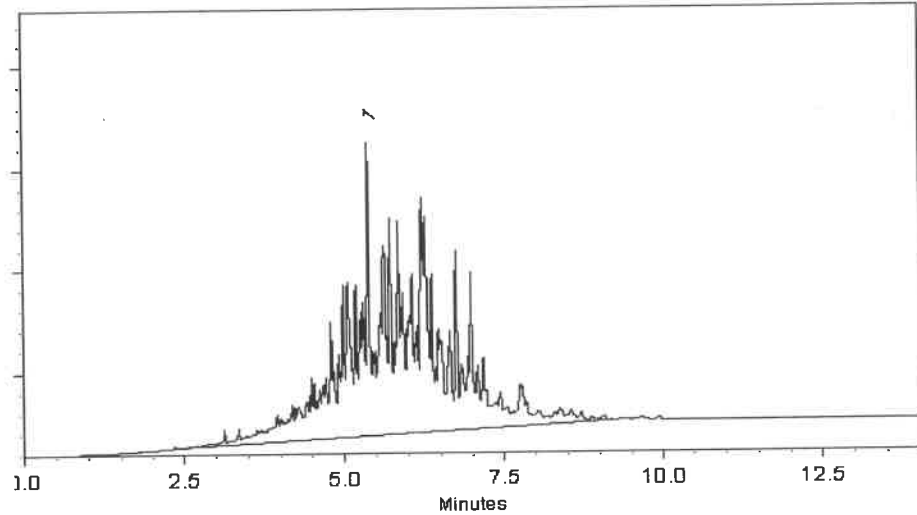
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

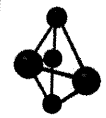
  
Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13861 } ②  
P13862 }

  
12/9/2024



CERTIFIED WEIGHT REPORT

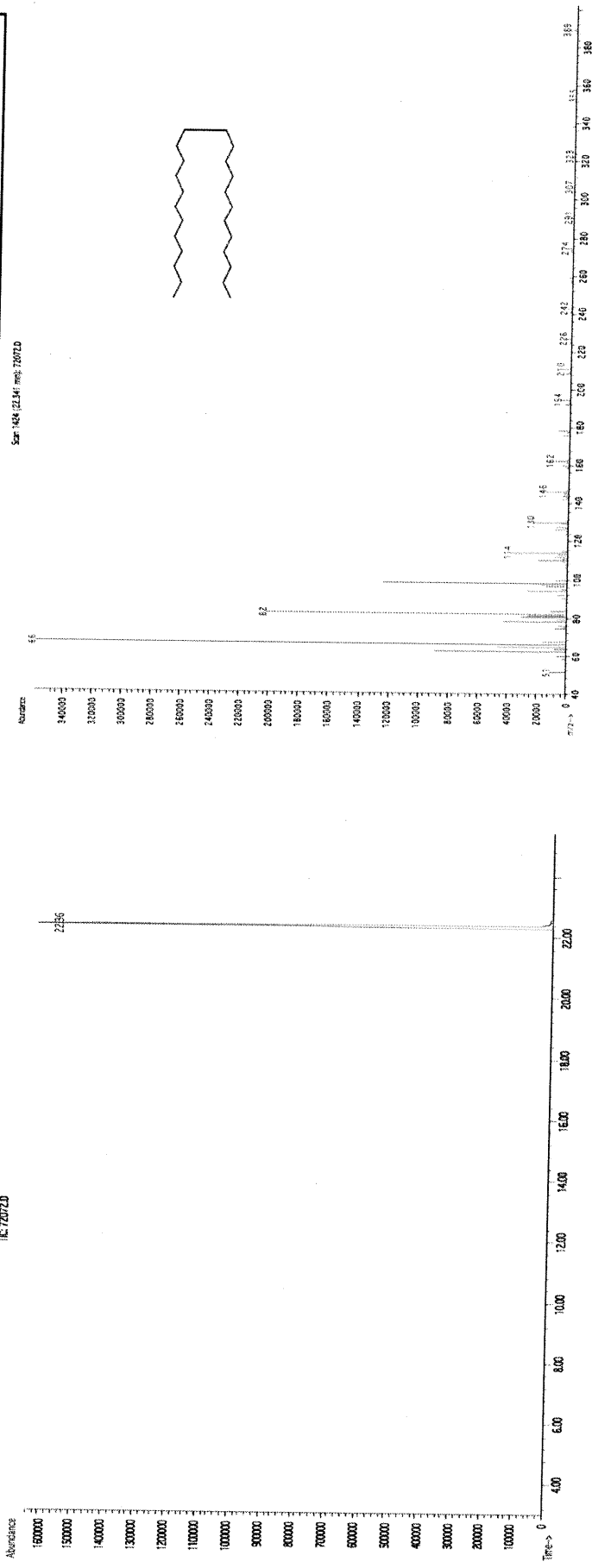
Part Number: 72072  
Lot Number: 112018  
Description: n-Tetracosane-d50  
Expiration Date: 112028  
Recommended Storage: Ambient (20 °C)  
Nominal Concentration (µg/mL): 1000  
NIST Test ID#: 2684186  
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Lot#  
Methylene chloride 102669  
Received by  
SG on 11/11/19  
p9044-p9053  
5E-05 Balance Uncertainty  
0.058 Flask Uncertainty

|                |                  |        |      |
|----------------|------------------|--------|------|
| Formulated By: | Prashant Chauhan | 112018 | DATE |
| Reviewed By:   | Pedro Rentas     | 112018 | DATE |

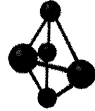
| Compound                                                                                                                                                                                                                                                     | RM#  | Lot Number        | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|----------------------|------------|-------------|-------------------|-------------------|---------------------|------------------------------------|--------------------------------------------------------|
| 1. n-Tetracosane-d50                                                                                                                                                                                                                                         | 2072 | PR-17753/09216TC1 | 1000                 | 98         | 0.2         | 0.20411           | 0.20415           | 1000.2              | 4.2                                | 18416-32-3 N/A                                         |
| Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren. |      |                   |                      |            |             |                   |                   |                     |                                    |                                                        |

TC 720720



The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.  
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).  
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.  
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).





## Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

### Comments

GC4-M1 Analysis by Melissa Stonier

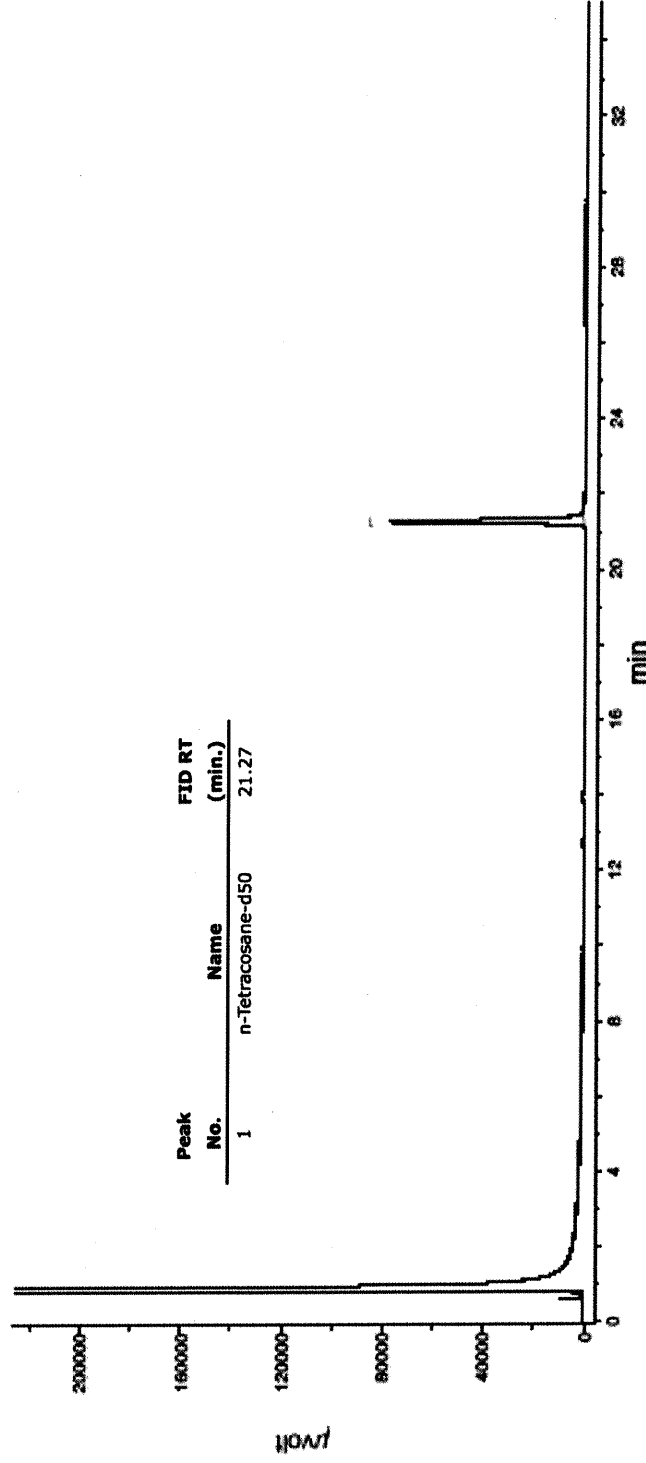
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





# SHIPPING DOCUMENTS



### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                       |               |                                                 |                                       |
|---------------------------------------|---------------|-------------------------------------------------|---------------------------------------|
| <b>Order ID :</b> Q3419               | <b>AECO02</b> | <b>Order Date :</b> 10/22/2025 11:01:00 AM      | <b>Project Mgr :</b>                  |
| <b>Client Name :</b> AECOM            |               | <b>Project Name :</b> AE1-CTY 3.2.Z-PR-DOCK     | <b>Report Type :</b> NYS ASP <i>B</i> |
| <b>Client Contact :</b> Rob Forstner  |               | <b>Receive DateTime :</b> 10/21/2025 5:40:00 PM | <b>EDD Type :</b> EQUIS               |
| <b>Invoice Name :</b> AECOM           |               | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>               |
| <b>Invoice Contact :</b> Rob Forstner |               |                                                 | <b>Date Signoff :</b>                 |

| LAB ID   | CLIENT ID                                              | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD | FAX DATE | DUE DATES    |
|----------|--------------------------------------------------------|--------|-------------|-------------|---------------|------------|--------|----------|--------------|
| Q3419-01 | PR-132-S16-015094-20251021                             | Solid  | 10/21/2025  | 09:31       |               |            |        |          |              |
|          |                                                        |        |             |             | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q3419-02 | Q3419-01MS                                             | Solid  | 10/21/2025  | 09:31       |               |            |        |          |              |
|          |                                                        |        |             |             | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q3419-03 | Q3419-01MSD                                            | Solid  | 10/21/2025  | 09:31       |               |            |        |          |              |
|          |                                                        |        |             |             | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q3419-04 | <i>PR132</i><br><del>PR-132</del> -S16-119133-20251021 | Solid  | 10/21/2025  | 09:35       |               |            |        |          |              |
|          |                                                        |        |             |             | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q3419-05 | <i>PR132</i><br><del>PR-132</del> -S16-094119-20251021 | Solid  | 10/21/2025  | 09:33       |               |            |        |          |              |
|          |                                                        |        |             |             | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |

Relinquished By : *[Signature]*

Date / Time : 10/22/25 1245

Received By : *[Signature]*

Date / Time : 10/22/25

Storage Area : VOA Refridgerator Room