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# Cover Page

**Order ID :** Q2458

**Project ID :** South River WM Replacement

**Client :** CDM Smith

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2458-01 | TP-76 |
| Q2458-02 | TP-55 |
| Q2458-03 | TP-68 |
| Q2458-04 | TP-67 |
| Q2458-05 | TP-66 |
| Q2458-06 | TP-60 |
| Q2458-07 | TP-62 |
| Q2458-08 | TP-63 |
| Q2458-09 | TP-59 |
| Q2458-10 | FB-06272025 |

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: 7/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**CDM Smith**
**Project Name: South River WM Replacement**
**Project # N/A**
**Order ID # Q2458**
**Test Name: Pesticide-TCL**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 06/27/2025.
1 Water sample was received on 06/27/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. 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 3510.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds due to matrix interference.
The MSD recoveries met the acceptable requirements due to matrix interference.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

**E. Additional Comments:**

Sample TP-60 was reported with J flag on form 1 for compound 4,4-DDD based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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Sample TP-62 was reported with J flag on form 1 for compound Heptachlor based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.
The soil samples results are based on a dry weight basis.

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____

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# 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 is 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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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q2458**

| | 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:** **PRADIP PRAJAPATI** **Date:** **07/09/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2458 | **OrderDate:** | 6/27/2025 4:22:00 PM |
| **Client:** | CDM Smith | **Project:** | South River WM Replacement |
| **Contact:** | Marcie Ann Encinas | **Location:** | D51,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2458-01** | **TP-76** | **SOIL** | | | **06/26/25** | | | **06/27/25** |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| **Q2458-02** | **TP-55** | **SOIL** | | | **06/26/25** | | | **06/27/25** |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/03/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| **Q2458-03** | **TP-68** | **SOIL** | | | **06/27/25** | | | **06/27/25** |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| **Q2458-04** | **TP-67** | **SOIL** | | | **06/27/25** | | | **06/27/25** |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| **Q2458-05** | **TP-66** | **SOIL** | | | **06/27/25** | | | **06/27/25** |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/03/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |

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# LAB CHRONICLE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Q2458-06** | **TP-60** | **SOIL** | | | **06/27/25** | | **06/27/25** |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/03/25 |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 |
| **Q2458-07** | **TP-62** | **SOIL** | | | **06/27/25** | | **06/27/25** |
| | | | Gasoline Range Organics | 8015D | | | 07/01/25 |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 |
| **Q2458-08** | **TP-63** | **SOIL** | | | **06/27/25** | | **06/27/25** |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 |
| **Q2458-09** | **TP-59** | **SOIL** | | | **06/27/25** | | **06/27/25** |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 |
| | | | PCB | 8082A | | 07/01/25 | 07/02/25 |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 |
| **Q2458-10** | **FB-06272025** | **Water** | | | **06/27/25** | | **06/27/25** |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 |
| | | | Gasoline Range Organics | 8015D | | | 07/01/25 |
| | | | PCB | 8082A | | 07/02/25 | 07/02/25 |
| | | | Pesticide-TCL | 8081B | | 07/03/25 | 07/03/25 |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2458 **Order ID:** Q2458

**Client:** CDM Smith **Project ID:** South River WM Replacement

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **TP-76** | | | | | | | |
| Q2458-01 | TP-76 | SOIL | Dieldrin | 1.90 | P | 0.15 | 1.90 | ug/kg |
| Q2458-01 | TP-76 | SOIL | Endrin | 0.66 | J | 0.15 | 1.90 | ug/kg |
| Q2458-01 | TP-76 | SOIL | 4,4-DDT | 1.20 | JP | 0.15 | 1.90 | ug/kg |
| | | | **Total Concentration:** | **3.760** | | | | |
| **Client ID :** | **TP-67** | | | | | | | |
| Q2458-04 | TP-67 | SOIL | 4,4-DDE | 0.34 | JP | 0.16 | 1.90 | ug/kg |
| Q2458-04 | TP-67 | SOIL | alpha-Chlordane | 0.48 | JP | 0.13 | 1.90 | ug/kg |
| Q2458-04 | TP-67 | SOIL | gamma-Chlordane | 0.29 | J | 0.17 | 1.90 | ug/kg |
| | | | **Total Concentration:** | **1.110** | | | | |
| **Client ID :** | **TP-66** | | | | | | | |
| Q2458-05 | TP-66 | SOIL | 4,4-DDT | 0.40 | JP | 0.16 | 1.90 | ug/kg |
| | | | **Total Concentration:** | **0.400** | | | | |
| **Client ID :** | **TP-60** | | | | | | | |
| Q2458-06 | TP-60 | SOIL | 4,4-DDD | 0.17 | J | 0.16 | 1.80 | ug/kg |
| Q2458-06 | TP-60 | SOIL | 4,4-DDT | 0.36 | JP | 0.15 | 1.80 | ug/kg |
| Q2458-06 | TP-60 | SOIL | alpha-Chlordane | 0.90 | JP | 0.13 | 1.80 | ug/kg |
| Q2458-06 | TP-60 | SOIL | gamma-Chlordane | 0.46 | J | 0.16 | 1.80 | ug/kg |
| | | | **Total Concentration:** | **1.890** | | | | |
| **Client ID :** | **TP-62** | | | | | | | |
| Q2458-07 | TP-62 | SOIL | Heptachlor | 0.17 | J | 0.13 | 1.90 | ug/kg |
| | | | **Total Concentration:** | **0.170** | | | | |
| **Client ID :** | **TP-63** | | | | | | | |
| Q2458-08 | TP-63 | SOIL | 4,4-DDD | 0.41 | J | 0.17 | 2.00 | ug/kg |
| Q2458-08 | TP-63 | SOIL | 4,4-DDT | 0.44 | JP | 0.16 | 2.00 | ug/kg |
| Q2458-08 | TP-63 | SOIL | alpha-Chlordane | 0.58 | J | 0.14 | 2.00 | ug/kg |
| Q2458-08 | TP-63 | SOIL | gamma-Chlordane | 0.40 | J | 0.17 | 2.00 | ug/kg |
| | | | **Total Concentration:** | **1.830** | | | | |


# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q2458

**Client:** CDM Smith

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PD088990.D | PIBLK-PD088990.D | Decachlorobiphen | 1 | 20 | 18.2 | 91 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 16.1 | 80 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 18.6 | 93 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.7 | 88 | | 61 | 148 |
| I.BLK-PD089264.D | PIBLK-PD089264.D | Decachlorobiphen | 1 | 20 | 22.9 | 115 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 20.6 | 103 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 23.3 | 117 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 22.7 | 114 | | 61 | 148 |
| PB168672BL | PB168672BL | Decachlorobiphen | 1 | 20 | 16.9 | 85 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 16.9 | 84 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 17.3 | 87 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.0 | 100 | | 19 | 148 |
| PB168672BS | PB168672BS | Decachlorobiphen | 1 | 20 | 20.6 | 103 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 18.3 | 92 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 19.5 | 98 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.8 | 104 | | 19 | 148 |
| I.BLK-PD089276.D | PIBLK-PD089276.D | Decachlorobiphen | 1 | 20 | 23.0 | 115 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 20.9 | 105 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 22.4 | 112 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 23.2 | 116 | | 61 | 148 |
| Q2458-01 | TP-76 | Decachlorobiphen | 1 | 20 | 13.9 | 70 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 16.5 | 83 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 13.1 | 66 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.8 | 89 | | 19 | 148 |
| Q2458-02 | TP-55 | Decachlorobiphen | 1 | 20 | 9.41 | 47 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 11.0 | 55 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 7.45 | 37 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 11.8 | 59 | | 19 | 148 |
| Q2458-03 | TP-68 | Decachlorobiphen | 1 | 20 | 13.1 | 66 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 16.2 | 81 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 10.9 | 55 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.9 | 89 | | 19 | 148 |
| I.BLK-PD089287.D | PIBLK-PD089287.D | Decachlorobiphen | 1 | 20 | 22.1 | 110 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 21.0 | 105 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 20.1 | 100 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 23.4 | 117 | | 61 | 148 |
| Q2458-04 | TP-67 | Decachlorobiphen | 1 | 20 | 14.9 | 75 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 19.1 | 95 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 15.0 | 75 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.0 | 100 | | 19 | 148 |
| Q2458-04MS | TP-67MS | Decachlorobiphen | 1 | 20 | 16.3 | 82 | | 20 | 144 |

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## Surrogate Summary

**SDG No.:** Q2458

**Client:** CDM Smith

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| Q2458-04MS | TP-67MS | Tetrachloro-m-xyl | 1 | 20 | 19.5 | 98 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 16.5 | 82 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 21.3 | 107 | | 19 | 148 |
| Q2458-04MSD | TP-67MSD | Decachlorobiphen | 1 | 20 | 16.2 | 81 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 19.7 | 98 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 16.6 | 83 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 21.6 | 108 | | 19 | 148 |
| Q2458-05 | TP-66 | Decachlorobiphen | 1 | 20 | 10.6 | 53 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 11.6 | 58 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 10.4 | 52 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 12.6 | 63 | | 19 | 148 |
| Q2458-06 | TP-60 | Decachlorobiphen | 1 | 20 | 11.6 | 58 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 12.4 | 62 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 7.43 | 37 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 13.7 | 68 | | 19 | 148 |
| Q2458-07 | TP-62 | Decachlorobiphen | 1 | 20 | 12.5 | 62 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 15.8 | 79 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 10.5 | 52 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.6 | 88 | | 19 | 148 |
| Q2458-08 | TP-63 | Decachlorobiphen | 1 | 20 | 10.2 | 51 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 11.6 | 58 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 7.67 | 38 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 12.7 | 64 | | 19 | 148 |
| Q2458-09 | TP-59 | Decachlorobiphen | 1 | 20 | 12.9 | 65 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 17.6 | 88 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 11.4 | 57 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.0 | 95 | | 19 | 148 |
| I.BLK-PD089298.D | PIBLK-PD089298.D | Decachlorobiphen | 1 | 20 | 21.1 | 106 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 21.6 | 108 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 18.2 | 91 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 24.2 | 121 | | 61 | 148 |
| I.BLK-PD089326.D | PIBLK-PD089326.D | Decachlorobiphen | 1 | 20 | 19.1 | 96 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 19.5 | 97 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 18.0 | 90 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 21.9 | 109 | | 61 | 148 |
| PB168718BL | PB168718BL | Decachlorobiphen | 1 | 20 | 18.8 | 94 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 18.2 | 91 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 19.0 | 95 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.4 | 102 | | 61 | 148 |
| PB168718BS | PB168718BS | Decachlorobiphen | 1 | 20 | 18.6 | 93 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 17.7 | 89 | | 61 | 148 |

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## Surrogate Summary

**SDG No.:** Q2458

**Client:** CDM Smith

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB168718BS | PB168718BS | Decachlorobiphen | 2 | 20 | 18.9 | 95 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.7 | 103 | | 61 | 148 |
| PB168718BSD | PB168718BSD | Decachlorobiphen | 1 | 20 | 18.4 | 92 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 17.6 | 88 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 19.0 | 95 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.7 | 104 | | 61 | 148 |
| Q2458-10 | FB-06272025 | Decachlorobiphen | 1 | 20 | 13.2 | 66 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 18.5 | 93 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 13.7 | 69 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 21.0 | 105 | | 61 | 148 |
| I.BLK-PD089337.D | PIBLK-PD089337.D | Decachlorobiphen | 1 | 20 | 19.0 | 95 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 19.8 | 99 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 19.1 | 95 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 22.4 | 112 | | 61 | 148 |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2458 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089291.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q2458-04MS (Column 1)** | **Client Sample ID:** | | **TP-67MS** | | | | | | | | |
| | alpha-BHC | 18.56 | 0 | 17.7 | ug/kg | 95 | | | | 60 | 144 | |
| | beta-BHC | 18.56 | 0 | 17.3 | ug/kg | 93 | | | | 54 | 143 | |
| | delta-BHC | 18.56 | 0 | 17.9 | ug/kg | 96 | | | | 29 | 151 | |
| | gamma-BHC (Lindane) | 18.56 | 0 | 17.5 | ug/kg | 94 | | | | 61 | 140 | |
| | Heptachlor | 18.56 | 0 | 16.5 | ug/kg | 89 | | | | 63 | 135 | |
| | Aldrin | 18.56 | 0 | 18.0 | ug/kg | 97 | | | | 49 | 139 | |
| | Heptachlor epoxide | 18.56 | 0 | 17.6 | ug/kg | 95 | | | | 41 | 156 | |
| | Endosulfan I | 18.56 | 0 | 17.8 | ug/kg | 96 | | | | 56 | 142 | |
| | Dieldrin | 18.56 | 0 | 17.6 | ug/kg | 95 | | | | 47 | 161 | |
| | 4,4'-DDE | 18.56 | 0.2077 | 18.0 | ug/kg | 95 | | | | 55 | 136 | |
| | Endrin | 18.56 | 0 | 16.6 | ug/kg | 89 | | | | 57 | 139 | |
| | Endosulfan II | 18.56 | 0 | 17.1 | ug/kg | 92 | | | | 40 | 163 | |
| | 4,4'-DDD | 18.56 | 0 | 18.4 | ug/kg | 99 | | | | 47 | 163 | |
| | Endosulfan sulfate | 18.56 | 0 | 16.4 | ug/kg | 88 | | | | 62 | 139 | |
| | 4,4'-DDT | 18.56 | 0 | 14.0 | ug/kg | 75 | | | | 51 | 146 | |
| | Methoxychlor | 18.56 | 0 | 13.4 | ug/kg | 72 | | | | 54 | 136 | |
| | Endrin ketone | 18.56 | 0 | 17.2 | ug/kg | 93 | | | | 60 | 129 | |
| | Endrin aldehyde | 18.56 | 0 | 16.8 | ug/kg | 91 | | | | 59 | 132 | |
| | alpha-Chlordane | 18.56 | 0.4784 | 18.0 | ug/kg | 94 | | | | 39 | 166 | |
| | gamma-Chlordane | 18.56 | 0.2856 | 18.2 | ug/kg | 97 | | | | 44 | 175 | |
| **Lab Sample ID:** | **Q2458-04MS (Column 2)** | **Client Sample ID:** | | **TP-67MS** | | | | | | | | |
| | alpha-BHC | 18.56 | 0 | 17.7 | ug/kg | 95 | | | | 60 | 144 | |
| | beta-BHC | 18.56 | 0 | 17.6 | ug/kg | 95 | | | | 54 | 143 | |
| | delta-BHC | 18.56 | 0 | 16.9 | ug/kg | 91 | | | | 29 | 151 | |
| | gamma-BHC (Lindane) | 18.56 | 0 | 17.5 | ug/kg | 94 | | | | 61 | 140 | |
| | Heptachlor | 18.56 | 0 | 16.3 | ug/kg | 88 | | | | 63 | 135 | |
| | Aldrin | 18.56 | 0 | 17.9 | ug/kg | 96 | | | | 49 | 139 | |
| | Heptachlor epoxide | 18.56 | 0 | 18.2 | ug/kg | 98 | | | | 41 | 156 | |
| | Endosulfan I | 18.56 | 0 | 17.6 | ug/kg | 95 | | | | 56 | 142 | |
| | Dieldrin | 18.56 | 0 | 17.7 | ug/kg | 95 | | | | 47 | 161 | |
| | 4,4'-DDE | 18.56 | 0.3449 | 17.9 | ug/kg | 96 | | | | 55 | 136 | |
| | Endrin | 18.56 | 0 | 16.9 | ug/kg | 91 | | | | 57 | 139 | |
| | Endosulfan II | 18.56 | 0 | 17.2 | ug/kg | 93 | | | | 40 | 163 | |
| | 4,4'-DDD | 18.56 | 0 | 17.0 | ug/kg | 92 | | | | 47 | 163 | |
| | Endosulfan sulfate | 18.56 | 0 | 16.1 | ug/kg | 87 | | | | 62 | 139 | |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2458 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089291.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | 18.56 | 0 | 14.2 | ug/kg | 77 | | | | 51 | 146 | |
| Methoxychlor | 18.56 | 0 | 13.3 | ug/kg | 72 | | | | 54 | 136 | |
| Endrin ketone | 18.56 | 0 | 16.3 | ug/kg | 88 | | | | 60 | 129 | |
| Endrin aldehyde | 18.56 | 0 | 16.6 | ug/kg | 89 | | | | 59 | 132 | |
| alpha-Chlordane | 18.56 | 0.293 | 17.9 | ug/kg | 96 | | | | 39 | 166 | |
| gamma-Chlordane | 18.56 | 0.2336 | 18.3 | ug/kg | 99 | | | | 44 | 175 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2458 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089292.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q2458-04MSD (Column 1)** | **Client Sample ID:** | | **TP-67MSD** | | | | | | | | |
| | alpha-BHC | 18.54 | 0 | 18.2 | ug/kg | 98 | | 3 | | 60 | 144 | 20 |
| | beta-BHC | 18.54 | 0 | 17.4 | ug/kg | 94 | | 1 | | 54 | 143 | 20 |
| | delta-BHC | 18.54 | 0 | 19.0 | ug/kg | 102 | | 6 | | 29 | 151 | 20 |
| | gamma-BHC (Lindane) | 18.54 | 0 | 18.2 | ug/kg | 98 | | 4 | | 61 | 140 | 20 |
| | Heptachlor | 18.54 | 0 | 16.9 | ug/kg | 91 | | 2 | | 63 | 135 | 20 |
| | Aldrin | 18.54 | 0 | 18.2 | ug/kg | 98 | | 1 | | 49 | 139 | 20 |
| | Heptachlor epoxide | 18.54 | 0 | 17.7 | ug/kg | 95 | | 0 | | 41 | 156 | 20 |
| | Endosulfan I | 18.54 | 0 | 17.9 | ug/kg | 97 | | 1 | | 56 | 142 | 20 |
| | Dieldrin | 18.54 | 0 | 17.8 | ug/kg | 96 | | 1 | | 47 | 161 | 20 |
| | 4,4'-DDE | 18.54 | 0.2077 | 18.0 | ug/kg | 95 | | 0 | | 55 | 136 | 20 |
| | Endrin | 18.54 | 0 | 16.9 | ug/kg | 91 | | 2 | | 57 | 139 | 20 |
| | Endosulfan II | 18.54 | 0 | 17.3 | ug/kg | 93 | | 1 | | 40 | 163 | 20 |
| | 4,4'-DDD | 18.54 | 0 | 19.0 | ug/kg | 102 | | 3 | | 47 | 163 | 20 |
| | Endosulfan sulfate | 18.54 | 0 | 17.1 | ug/kg | 92 | | 4 | | 62 | 139 | 20 |
| | 4,4'-DDT | 18.54 | 0 | 14.7 | ug/kg | 79 | | 5 | | 51 | 146 | 20 |
| | Methoxychlor | 18.54 | 0 | 13.8 | ug/kg | 74 | | 3 | | 54 | 136 | 20 |
| | Endrin ketone | 18.54 | 0 | 17.7 | ug/kg | 95 | | 2 | | 60 | 129 | 20 |
| | Endrin aldehyde | 18.54 | 0 | 17.3 | ug/kg | 93 | | 2 | | 59 | 132 | 20 |
| | alpha-Chlordane | 18.54 | 0.4784 | 18.2 | ug/kg | 96 | | 2 | | 39 | 166 | 20 |
| | gamma-Chlordane | 18.54 | 0.2856 | 18.2 | ug/kg | 98 | | 1 | | 44 | 175 | 20 |
| **Lab Sample ID:** | **Q2458-04MSD (Column 2)** | **Client Sample ID:** | | **TP-67MSD** | | | | | | | | |
| | alpha-BHC | 18.54 | 0 | 18.1 | ug/kg | 98 | | 3 | | 60 | 144 | 20 |
| | beta-BHC | 18.54 | 0 | 17.9 | ug/kg | 97 | | 2 | | 54 | 143 | 20 |
| | delta-BHC | 18.54 | 0 | 17.8 | ug/kg | 96 | | 5 | | 29 | 151 | 20 |
| | gamma-BHC (Lindane) | 18.54 | 0 | 18.0 | ug/kg | 97 | | 3 | | 61 | 140 | 20 |
| | Heptachlor | 18.54 | 0 | 16.8 | ug/kg | 91 | | 3 | | 63 | 135 | 20 |
| | Aldrin | 18.54 | 0 | 18.1 | ug/kg | 98 | | 2 | | 49 | 139 | 20 |
| | Heptachlor epoxide | 18.54 | 0 | 18.3 | ug/kg | 99 | | 1 | | 41 | 156 | 20 |
| | Endosulfan I | 18.54 | 0 | 17.9 | ug/kg | 97 | | 2 | | 56 | 142 | 20 |
| | Dieldrin | 18.54 | 0 | 17.9 | ug/kg | 97 | | 2 | | 47 | 161 | 20 |
| | 4,4'-DDE | 18.54 | 0.3449 | 17.9 | ug/kg | 97 | | 1 | | 55 | 136 | 20 |
| | Endrin | 18.54 | 0 | 17.2 | ug/kg | 93 | | 2 | | 57 | 139 | 20 |
| | Endosulfan II | 18.54 | 0 | 17.4 | ug/kg | 94 | | 1 | | 40 | 163 | 20 |
| | 4,4'-DDD | 18.54 | 0 | 17.4 | ug/kg | 94 | | 2 | | 47 | 163 | 20 |
| | Endosulfan sulfate | 18.54 | 0 | 16.9 | ug/kg | 91 | | 4 | | 62 | 139 | 20 |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2458 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089292.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | 18.54 | 0 | 15.0 | ug/kg | 81 | | 5 | | 51 | 146 | 20 |
| Methoxychlor | 18.54 | 0 | 14.2 | ug/kg | 77 | | 7 | | 54 | 136 | 20 |
| Endrin ketone | 18.54 | 0 | 17.0 | ug/kg | 92 | | 4 | | 60 | 129 | 20 |
| Endrin aldehyde | 18.54 | 0 | 17.2 | ug/kg | 93 | | 4 | | 59 | 132 | 20 |
| alpha-Chlordane | 18.54 | 0.293 | 18.0 | ug/kg | 97 | | 1 | | 39 | 166 | 20 |
| gamma-Chlordane | 18.54 | 0.2336 | 18.4 | ug/kg | 99 | | 0 | | 44 | 175 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2458 **Analytical Method:** 8081B

**Client:** CDM Smith **Datafile :** PD089275.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168672BS (Column 1) | alpha-BHC | 16.65 | 18.7 | ug/kg | 112 | | | | 84 | 123 | |
| | beta-BHC | 16.65 | 17.7 | ug/kg | 106 | | | | 82 | 123 | |
| | delta-BHC | 16.65 | 19.2 | ug/kg | 115 | | | | 83 | 126 | |
| | gamma-BHC (Lindane) | 16.65 | 18.6 | ug/kg | 112 | | | | 83 | 125 | |
| | Heptachlor | 16.65 | 18.2 | ug/kg | 109 | | | | 83 | 122 | |
| | Aldrin | 16.65 | 18.7 | ug/kg | 112 | | | | 82 | 124 | |
| | Heptachlor epoxide | 16.65 | 18.0 | ug/kg | 108 | | | | 83 | 120 | |
| | Endosulfan I | 16.65 | 18.3 | ug/kg | 110 | | | | 81 | 124 | |
| | Dieldrin | 16.65 | 18.4 | ug/kg | 111 | | | | 85 | 121 | |
| | 4,4'-DDE | 16.65 | 18.4 | ug/kg | 111 | | | | 81 | 123 | |
| | Endrin | 16.65 | 16.5 | ug/kg | 99 | | | | 76 | 130 | |
| | Endosulfan II | 16.65 | 17.9 | ug/kg | 108 | | | | 80 | 125 | |
| | 4,4'-DDD | 16.65 | 18.7 | ug/kg | 112 | | | | 80 | 131 | |
| | Endosulfan sulfate | 16.65 | 17.7 | ug/kg | 106 | | | | 81 | 122 | |
| | 4,4'-DDT | 16.65 | 16.3 | ug/kg | 98 | | | | 70 | 129 | |
| | Methoxychlor | 16.65 | 16.3 | ug/kg | 98 | | | | 60 | 119 | |
| | Endrin ketone | 16.65 | 18.3 | ug/kg | 110 | | | | 77 | 132 | |
| | Endrin aldehyde | 16.65 | 17.8 | ug/kg | 107 | | | | 79 | 124 | |
| | alpha-Chlordane | 16.65 | 18.1 | ug/kg | 109 | | | | 84 | 120 | |
| | gamma-Chlordane | 16.65 | 18.5 | ug/kg | 111 | | | | 83 | 122 | |
| PB168672BS (Column 2) | alpha-BHC | 16.65 | 18.6 | ug/kg | 112 | | | | 84 | 123 | |
| | beta-BHC | 16.65 | 18.0 | ug/kg | 108 | | | | 82 | 123 | |
| | delta-BHC | 16.65 | 18.3 | ug/kg | 110 | | | | 83 | 126 | |
| | gamma-BHC (Lindane) | 16.65 | 18.4 | ug/kg | 111 | | | | 83 | 125 | |
| | Heptachlor | 16.65 | 17.6 | ug/kg | 106 | | | | 83 | 122 | |
| | Aldrin | 16.65 | 18.4 | ug/kg | 111 | | | | 82 | 124 | |
| | Heptachlor epoxide | 16.65 | 19.3 | ug/kg | 116 | | | | 83 | 120 | |
| | Endosulfan I | 16.65 | 18.4 | ug/kg | 111 | | | | 81 | 124 | |
| | Dieldrin | 16.65 | 18.0 | ug/kg | 108 | | | | 85 | 121 | |
| | 4,4'-DDE | 16.65 | 17.9 | ug/kg | 108 | | | | 81 | 123 | |
| | Endrin | 16.65 | 16.5 | ug/kg | 99 | | | | 76 | 130 | |
| | Endosulfan II | 16.65 | 17.8 | ug/kg | 107 | | | | 80 | 125 | |
| | 4,4'-DDD | 16.65 | 17.9 | ug/kg | 108 | | | | 80 | 131 | |
| | Endosulfan sulfate | 16.65 | 17.6 | ug/kg | 106 | | | | 81 | 122 | |
| | 4,4'-DDT | 16.65 | 15.9 | ug/kg | 95 | | | | 70 | 129 | |
| | Methoxychlor | 16.65 | 16.6 | ug/kg | 100 | | | | 60 | 119 | |
| | Endrin ketone | 16.65 | 17.8 | ug/kg | 107 | | | | 77 | 132 | |
| | Endrin aldehyde | 16.65 | 17.6 | ug/kg | 106 | | | | 79 | 124 | |
| | alpha-Chlordane | 16.65 | 18.2 | ug/kg | 109 | | | | 84 | 120 | |
| | gamma-Chlordane | 16.65 | 17.9 | ug/kg | 108 | | | | 83 | 122 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2458 **Analytical Method:** 8081B

**Client:** CDM Smith **Datafile :** PD089330.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168718BS (Column 1) | alpha-BHC | 0.5 | 0.56 | ug/L | 111 | | | | 85 | 130 | |
| | beta-BHC | 0.5 | 0.53 | ug/L | 106 | | | | 83 | 126 | |
| | delta-BHC | 0.5 | 0.59 | ug/L | 117 | | | | 69 | 141 | |
| | gamma-BHC (Lindane) | 0.5 | 0.55 | ug/L | 110 | | | | 82 | 129 | |
| | Heptachlor | 0.5 | 0.54 | ug/L | 107 | | | | 79 | 127 | |
| | Aldrin | 0.5 | 0.56 | ug/L | 113 | | | | 79 | 126 | |
| | Heptachlor epoxide | 0.5 | 0.55 | ug/L | 110 | | | | 81 | 124 | |
| | Endosulfan I | 0.5 | 0.56 | ug/L | 112 | | | | 85 | 122 | |
| | Dieldrin | 0.5 | 0.57 | ug/L | 113 | | | | 83 | 125 | |
| | 4,4'-DDE | 0.5 | 0.56 | ug/L | 112 | | | | 80 | 127 | |
| | Endrin | 0.5 | 0.49 | ug/L | 98 | | | | 81 | 128 | |
| | Endosulfan II | 0.5 | 0.57 | ug/L | 113 | | | | 82 | 123 | |
| | 4,4'-DDD | 0.5 | 0.59 | ug/L | 118 | | | | 77 | 131 | |
| | Endosulfan sulfate | 0.5 | 0.55 | ug/L | 110 | | | | 76 | 129 | |
| | 4,4'-DDT | 0.5 | 0.48 | ug/L | 96 | | | | 80 | 133 | |
| | Methoxychlor | 0.5 | 0.42 | ug/L | 83 | | | | 78 | 108 | |
| | Endrin ketone | 0.5 | 0.56 | ug/L | 111 | | | | 80 | 131 | |
| | Endrin aldehyde | 0.5 | 0.56 | ug/L | 112 | | | | 82 | 127 | |
| | alpha-Chlordane | 0.5 | 0.56 | ug/L | 111 | | | | 82 | 125 | |
| | gamma-Chlordane | 0.5 | 0.57 | ug/L | 114 | | | | 82 | 125 | |
| PB168718BS (Column 2) | alpha-BHC | 0.5 | 0.56 | ug/L | 112 | | | | 85 | 130 | |
| | beta-BHC | 0.5 | 0.54 | ug/L | 109 | | | | 83 | 126 | |
| | delta-BHC | 0.5 | 0.55 | ug/L | 110 | | | | 69 | 141 | |
| | gamma-BHC (Lindane) | 0.5 | 0.56 | ug/L | 111 | | | | 82 | 129 | |
| | Heptachlor | 0.5 | 0.52 | ug/L | 105 | | | | 79 | 127 | |
| | Aldrin | 0.5 | 0.56 | ug/L | 111 | | | | 79 | 126 | |
| | Heptachlor epoxide | 0.5 | 0.55 | ug/L | 111 | | | | 81 | 124 | |
| | Endosulfan I | 0.5 | 0.55 | ug/L | 111 | | | | 85 | 122 | |
| | Dieldrin | 0.5 | 0.55 | ug/L | 110 | | | | 83 | 125 | |
| | 4,4'-DDE | 0.5 | 0.55 | ug/L | 110 | | | | 80 | 127 | |
| | Endrin | 0.5 | 0.48 | ug/L | 95 | | | | 81 | 128 | |
| | Endosulfan II | 0.5 | 0.55 | ug/L | 110 | | | | 82 | 123 | |
| | 4,4'-DDD | 0.5 | 0.56 | ug/L | 112 | | | | 77 | 131 | |
| | Endosulfan sulfate | 0.5 | 0.55 | ug/L | 109 | | | | 76 | 129 | |
| | 4,4'-DDT | 0.5 | 0.47 | ug/L | 95 | | | | 80 | 133 | |
| | Methoxychlor | 0.5 | 0.44 | ug/L | 88 | | | | 78 | 108 | |
| | Endrin ketone | 0.5 | 0.55 | ug/L | 110 | | | | 80 | 131 | |
| | Endrin aldehyde | 0.5 | 0.55 | ug/L | 110 | | | | 82 | 127 | |
| | alpha-Chlordane | 0.5 | 0.55 | ug/L | 109 | | | | 82 | 125 | |
| | gamma-Chlordane | 0.5 | 0.55 | ug/L | 109 | | | | 82 | 125 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2458 **Analytical Method:** 8081B

**Client:** CDM Smith **Datafile :** PD089331.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168718BSD (Column 1) | alpha-BHC | 0.5 | 0.55 | ug/L | 110 | 1 | | | 85 | 130 | 20 |
| | beta-BHC | 0.5 | 0.52 | ug/L | 104 | 2 | | | 83 | 126 | 20 |
| | delta-BHC | 0.5 | 0.57 | ug/L | 114 | 3 | | | 69 | 141 | 20 |
| | gamma-BHC (Lindane) | 0.5 | 0.55 | ug/L | 109 | 1 | | | 82 | 129 | 20 |
| | Heptachlor | 0.5 | 0.53 | ug/L | 106 | 1 | | | 79 | 127 | 20 |
| | Aldrin | 0.5 | 0.56 | ug/L | 111 | 2 | | | 79 | 126 | 20 |
| | Heptachlor epoxide | 0.5 | 0.54 | ug/L | 109 | 1 | | | 81 | 124 | 20 |
| | Endosulfan I | 0.5 | 0.55 | ug/L | 110 | 2 | | | 85 | 122 | 20 |
| | Dieldrin | 0.5 | 0.56 | ug/L | 112 | 1 | | | 83 | 125 | 20 |
| | 4,4'-DDE | 0.5 | 0.55 | ug/L | 110 | 2 | | | 80 | 127 | 20 |
| | Endrin | 0.5 | 0.48 | ug/L | 97 | 1 | | | 81 | 128 | 20 |
| | Endosulfan II | 0.5 | 0.56 | ug/L | 112 | 1 | | | 82 | 123 | 20 |
| | 4,4'-DDD | 0.5 | 0.58 | ug/L | 117 | 1 | | | 77 | 131 | 20 |
| | Endosulfan sulfate | 0.5 | 0.55 | ug/L | 109 | 1 | | | 76 | 129 | 20 |
| | 4,4'-DDT | 0.5 | 0.47 | ug/L | 95 | 1 | | | 80 | 133 | 20 |
| | Methoxychlor | 0.5 | 0.42 | ug/L | 83 | 0 | | | 78 | 108 | 20 |
| | Endrin ketone | 0.5 | 0.55 | ug/L | 110 | 1 | | | 80 | 131 | 20 |
| | Endrin aldehyde | 0.5 | 0.55 | ug/L | 111 | 1 | | | 82 | 127 | 20 |
| | alpha-Chlordane | 0.5 | 0.55 | ug/L | 110 | 1 | | | 82 | 125 | 20 |
| | gamma-Chlordane | 0.5 | 0.56 | ug/L | 113 | 1 | | | 82 | 125 | 20 |
| PB168718BSD (Column 2) | alpha-BHC | 0.5 | 0.56 | ug/L | 111 | 1 | | | 85 | 130 | 20 |
| | beta-BHC | 0.5 | 0.54 | ug/L | 108 | 1 | | | 83 | 126 | 20 |
| | delta-BHC | 0.5 | 0.55 | ug/L | 110 | 0 | | | 69 | 141 | 20 |
| | gamma-BHC (Lindane) | 0.5 | 0.55 | ug/L | 111 | 0 | | | 82 | 129 | 20 |
| | Heptachlor | 0.5 | 0.52 | ug/L | 104 | 1 | | | 79 | 127 | 20 |
| | Aldrin | 0.5 | 0.55 | ug/L | 111 | 0 | | | 79 | 126 | 20 |
| | Heptachlor epoxide | 0.5 | 0.55 | ug/L | 111 | 0 | | | 81 | 124 | 20 |
| | Endosulfan I | 0.5 | 0.55 | ug/L | 110 | 1 | | | 85 | 122 | 20 |
| | Dieldrin | 0.5 | 0.55 | ug/L | 110 | 0 | | | 83 | 125 | 20 |
| | 4,4'-DDE | 0.5 | 0.55 | ug/L | 109 | 1 | | | 80 | 127 | 20 |
| | Endrin | 0.5 | 0.48 | ug/L | 96 | 1 | | | 81 | 128 | 20 |
| | Endosulfan II | 0.5 | 0.54 | ug/L | 109 | 1 | | | 82 | 123 | 20 |
| | 4,4'-DDD | 0.5 | 0.56 | ug/L | 112 | 0 | | | 77 | 131 | 20 |
| | Endosulfan sulfate | 0.5 | 0.55 | ug/L | 109 | 0 | | | 76 | 129 | 20 |
| | 4,4'-DDT | 0.5 | 0.47 | ug/L | 94 | 1 | | | 80 | 133 | 20 |
| | Methoxychlor | 0.5 | 0.44 | ug/L | 88 | 0 | | | 78 | 108 | 20 |
| | Endrin ketone | 0.5 | 0.55 | ug/L | 111 | 1 | | | 80 | 131 | 20 |
| | Endrin aldehyde | 0.5 | 0.55 | ug/L | 110 | 0 | | | 82 | 127 | 20 |
| | alpha-Chlordane | 0.5 | 0.54 | ug/L | 108 | 1 | | | 82 | 125 | 20 |
| | gamma-Chlordane | 0.5 | 0.55 | ug/L | 109 | 0 | | | 82 | 125 | 20 |

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168672BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2458

Lab Sample ID: PB168672BL | Lab File ID: PD089270.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/01/2025

Date Analyzed (1): 07/01/2025 | Date Analyzed (2): 07/01/2025

Time Analyzed (1): 14:33 | Time Analyzed (2): 14:33

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 SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| PB168672BS | PB168672BS | PD089275.D | 07/01/2025 | 07/01/2025 |
| TP-76 | Q2458-01 | PD089284.D | 07/01/2025 | 07/01/2025 |
| TP-55 | Q2458-02 | PD089285.D | 07/01/2025 | 07/01/2025 |
| TP-68 | Q2458-03 | PD089286.D | 07/01/2025 | 07/01/2025 |
| TP-67 | Q2458-04 | PD089290.D | 07/01/2025 | 07/01/2025 |
| TP-67MS | Q2458-04MS | PD089291.D | 07/01/2025 | 07/01/2025 |
| TP-67MSD | Q2458-04MSD | PD089292.D | 07/01/2025 | 07/01/2025 |
| TP-66 | Q2458-05 | PD089293.D | 07/01/2025 | 07/01/2025 |
| TP-60 | Q2458-06 | PD089294.D | 07/01/2025 | 07/01/2025 |
| TP-62 | Q2458-07 | PD089295.D | 07/01/2025 | 07/01/2025 |
| TP-63 | Q2458-08 | PD089296.D | 07/01/2025 | 07/01/2025 |
| TP-59 | Q2458-09 | PD089297.D | 07/01/2025 | 07/01/2025 |

COMMENTS:

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Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168718BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2458

Lab Sample ID: PB168718BL | Lab File ID: PD089329.D

Matrix: (soil/water) WATER | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/03/2025

Date Analyzed (1): 07/03/2025 | Date Analyzed (2): 07/03/2025

Time Analyzed (1): 13:55 | Time Analyzed (2): 13:55

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 SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| PB168718BS | PB168718BS | PD089330.D | 07/03/2025 | 07/03/2025 |
| PB168718BSD | PB168718BSD | PD089331.D | 07/03/2025 | 07/03/2025 |
| FB-06272025 | Q2458-10 | PD089332.D | 07/03/2025 | 07/03/2025 |

COMMENTS:


# SAMPLE DATA

Raw Data: **PD089284.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/26/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-76 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-01 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 90.6 Decanted: |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089284.D | 1 | 07/01/25 08:30 | 07/01/25 18:26 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 319-85-7 | beta-BHC | 0.20 | U | 0.20 | 1.90 | ug/kg |
| 319-86-8 | delta-BHC | 0.43 | U | 0.43 | 1.90 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 76-44-8 | Heptachlor | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 309-00-2 | Aldrin | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 959-98-8 | Endosulfan I | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 60-57-1 | Dieldrin | 1.90 | P | 0.15 | 1.90 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 72-20-8 | Endrin | 0.66 | J | 0.15 | 1.90 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.32 | U | 0.32 | 1.90 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.17 | U | 0.17 | 1.90 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 50-29-3 | 4,4-DDT | 1.20 | JP | 0.15 | 1.90 | ug/kg |
| 72-43-5 | Methoxychlor | 0.41 | U | 0.41 | 1.90 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.41 | U | 0.41 | 1.90 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.17 | U | 0.17 | 1.90 | ug/kg |
| 8001-35-2 | Toxaphene | 6.00 | U | 6.00 | 36.4 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.9 | | 20 - 144 | 70% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 17.8 | | 19 - 148 | 89% | SPK: 20 |

Raw Data: **PD089284.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/26/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-76 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-01 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 90.6 Decanted: |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089284.D | 1 | 07/01/25 08:30 | 07/01/25 18:26 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089284.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 18:26
Operator : AR\AJ
Sample : Q2458-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-76

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.879 | 47188302 | 301.5E6 | 16.539 | 17.787m |
| 28) | SA Decachlor... | 9.072 | 8.070 | 54771579 | 259.7E6 | 13.945m | 13.134 |
| | Target Compounds | | | | | | |
| 13) | MA Dieldrin | 6.351 | 5.511 | 6458897 | 116.9E6 | 1.346m | 5.038m# |
| 14) | MA Endrin | 6.576 | 5.778 | 7395274 | 35884222 | 1.793 | 1.653m |
| 17) | MA 4,4'-DDT | 7.025 | 6.178 | 5295917 | 66983031 | 1.398 | 3.303 # |

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

Sample Results: **PD089284.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 18:26
Operator : AR\AJ
Sample : Q2458-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

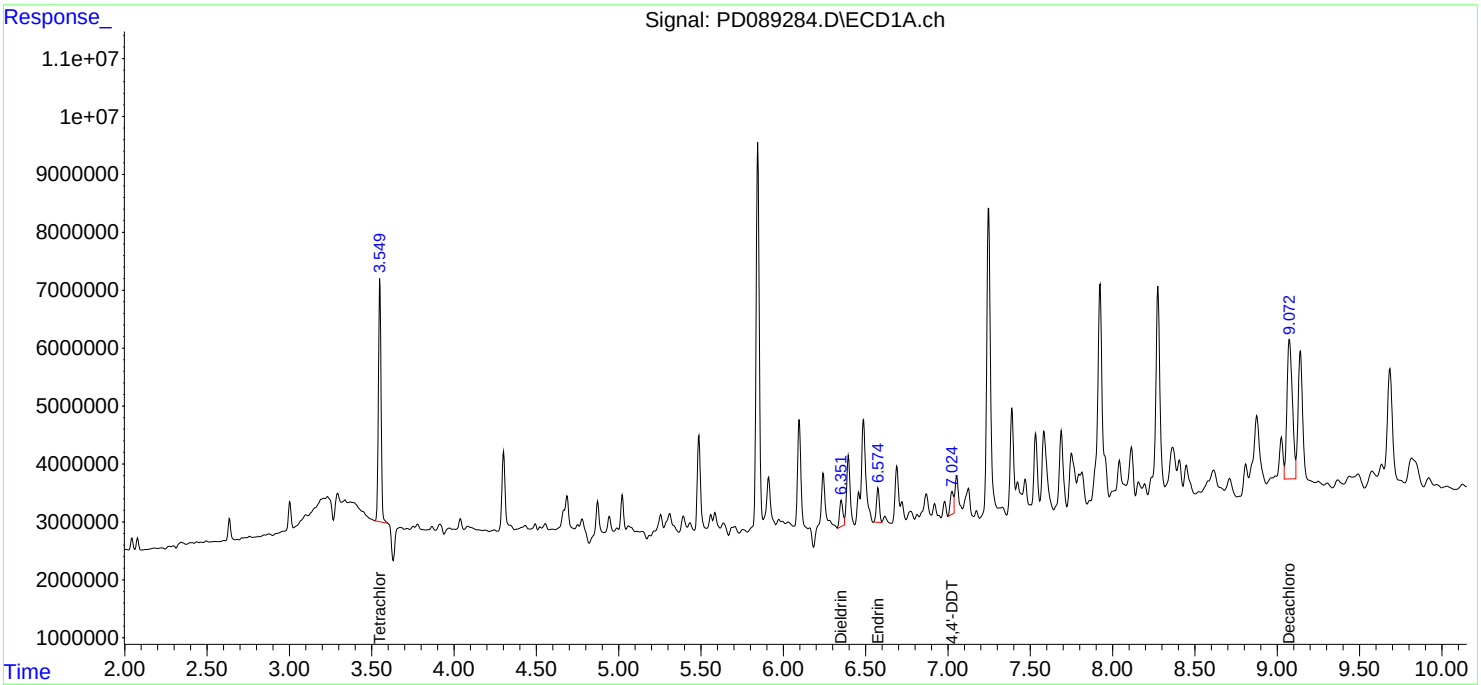
**Instrument :**
ECD_D
**ClientSampleId :**
TP-76

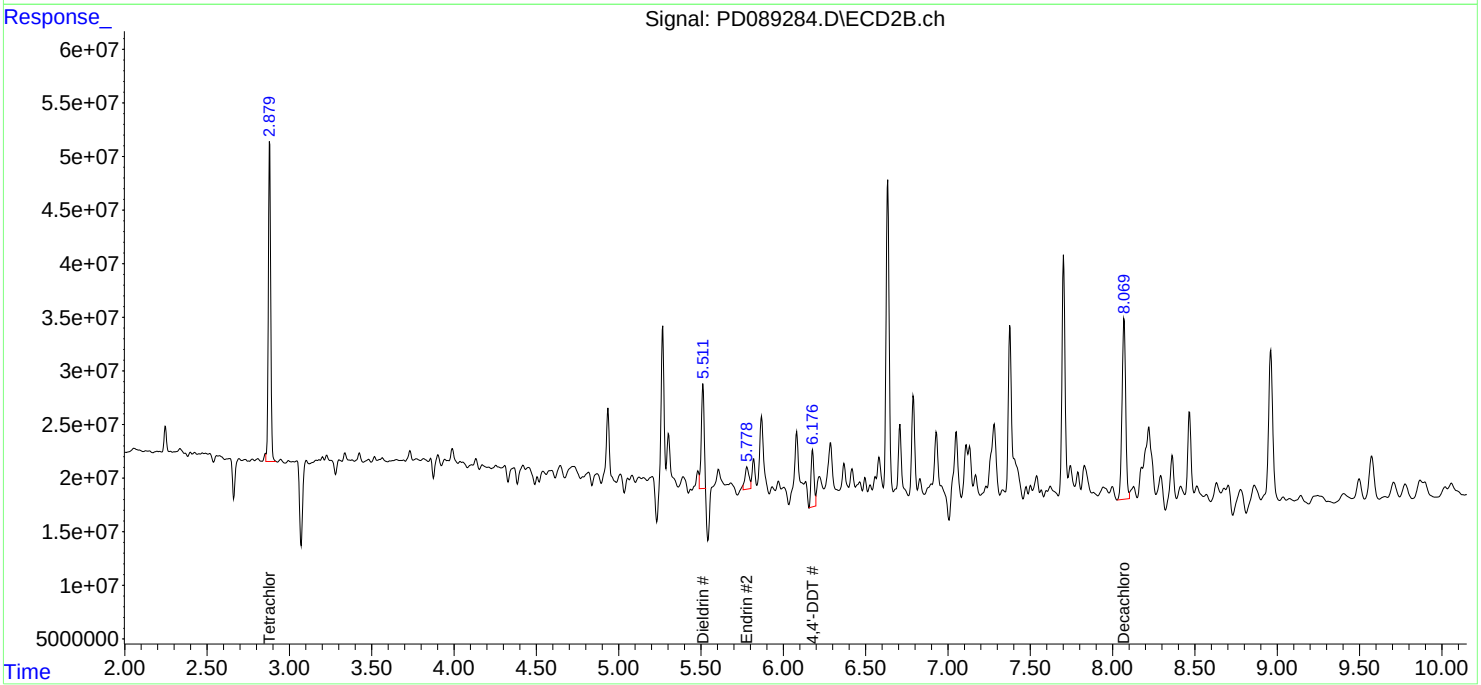
**Manual Integrations APPROVED**

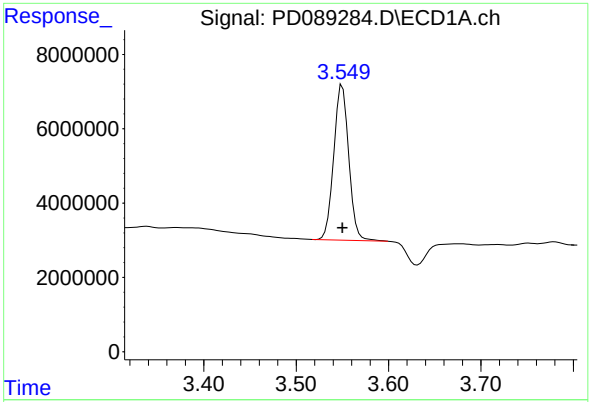
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





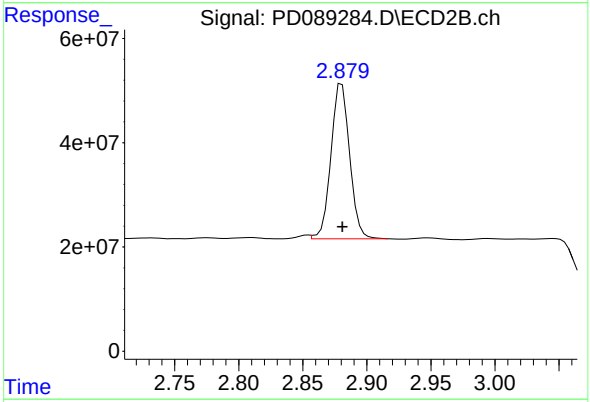

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 47188302
Conc: 16.54 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-76

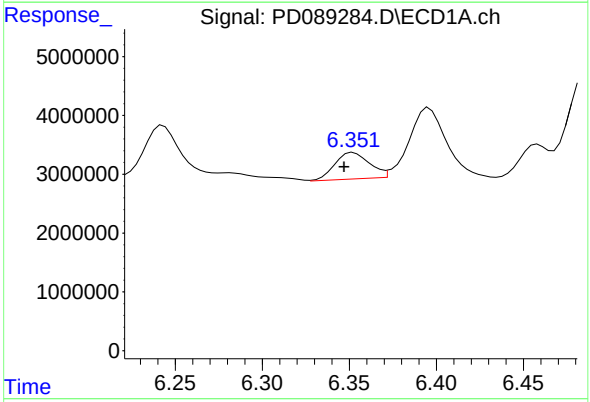
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



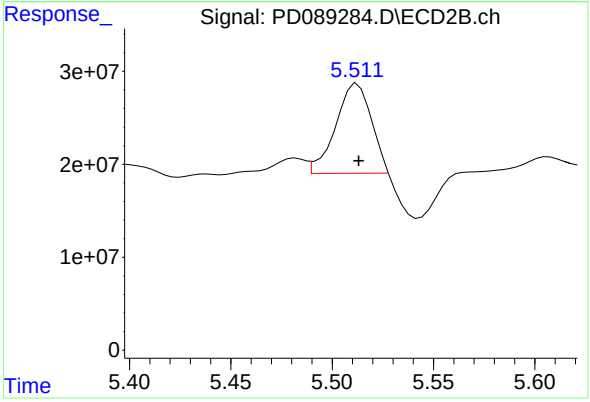

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 301544783
Conc: 17.79 ng/ml m



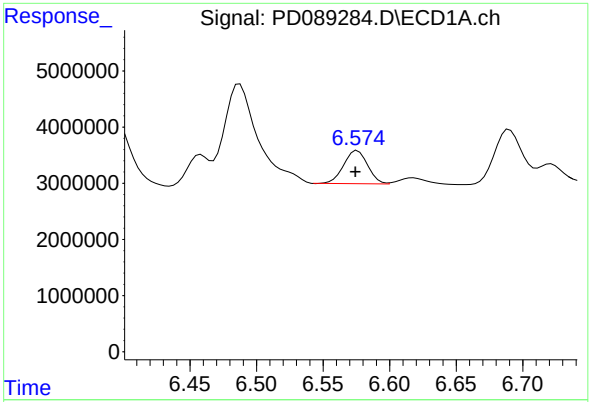

#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.004 min
Response: 6458897
Conc: 1.35 ng/ml m




#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 116924415
Conc: 5.04 ng/ml m



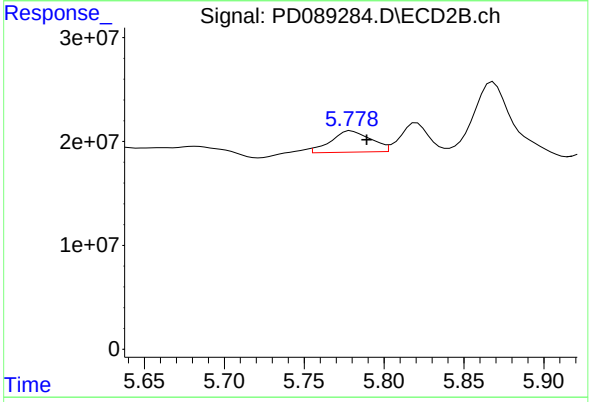

#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.001 min
Response: 7395274
Conc: 1.79 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-76

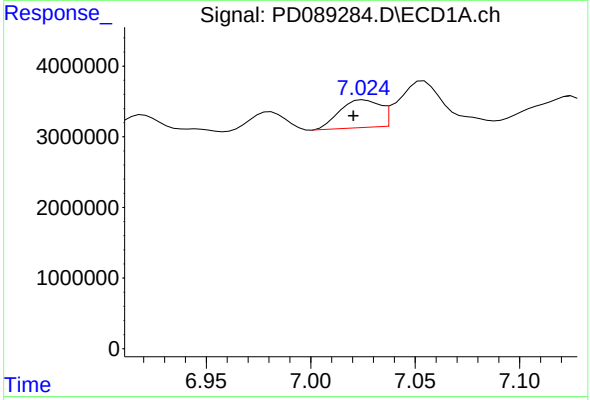
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



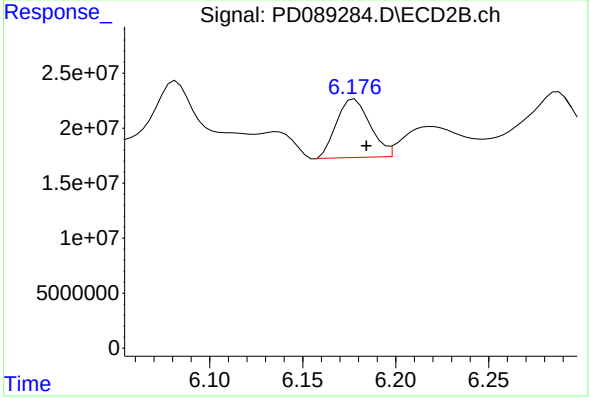

#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.011 min
Response: 35884222
Conc: 1.65 ng/ml m



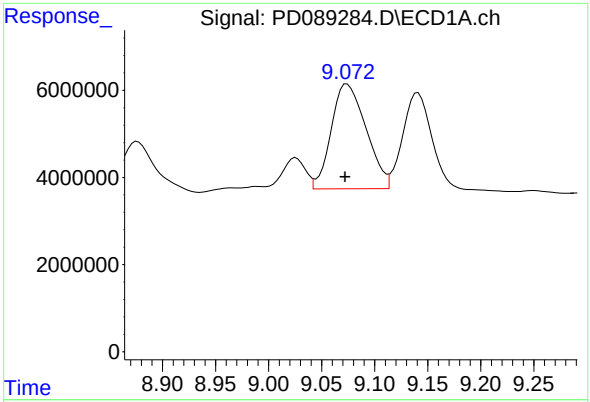

#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.005 min
Response: 5295917
Conc: 1.40 ng/ml




#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.006 min
Response: 66983031
Conc: 3.30 ng/ml



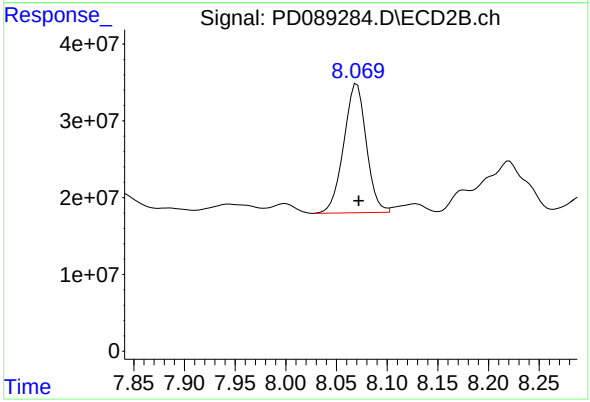

#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 54771579
Conc: 13.95 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-76

**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025




#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 259659292
Conc: 13.13 ng/ml

Raw Data: **PD089285.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/26/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-55 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-02 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 91.4 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089285.D | 1 | 07/01/25 08:30 | 07/01/25 18:40 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 319-85-7 | beta-BHC | 0.20 | U | 0.20 | 1.90 | ug/kg |
| 319-86-8 | delta-BHC | 0.43 | U | 0.43 | 1.90 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 76-44-8 | Heptachlor | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 309-00-2 | Aldrin | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 959-98-8 | Endosulfan I | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 60-57-1 | Dieldrin | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 72-20-8 | Endrin | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.32 | U | 0.32 | 1.90 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 72-43-5 | Methoxychlor | 0.40 | U | 0.40 | 1.90 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.40 | U | 0.40 | 1.90 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 8001-35-2 | Toxaphene | 5.90 | U | 5.90 | 36.1 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 9.41 | | 20 - 144 | 47% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 11.8 | | 19 - 148 | 59% | SPK: 20 |

Raw Data: **PD089285.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/26/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-55 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-02 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 91.4 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089285.D | 1 | 07/01/25 08:30 | 07/01/25 18:40 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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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\PD070225\
Data File : PD089285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 18:40
Operator : AR\AJ
Sample : Q2458-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-55

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 31512300 | 200.2E6 | 11.045 | 11.806 |
| 28) | SA Decachlor... | 9.073 | 8.072 | 36952271 | 147.3E6 | 9.408 | 7.449 |
| | Target Compounds | | | | | | |

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

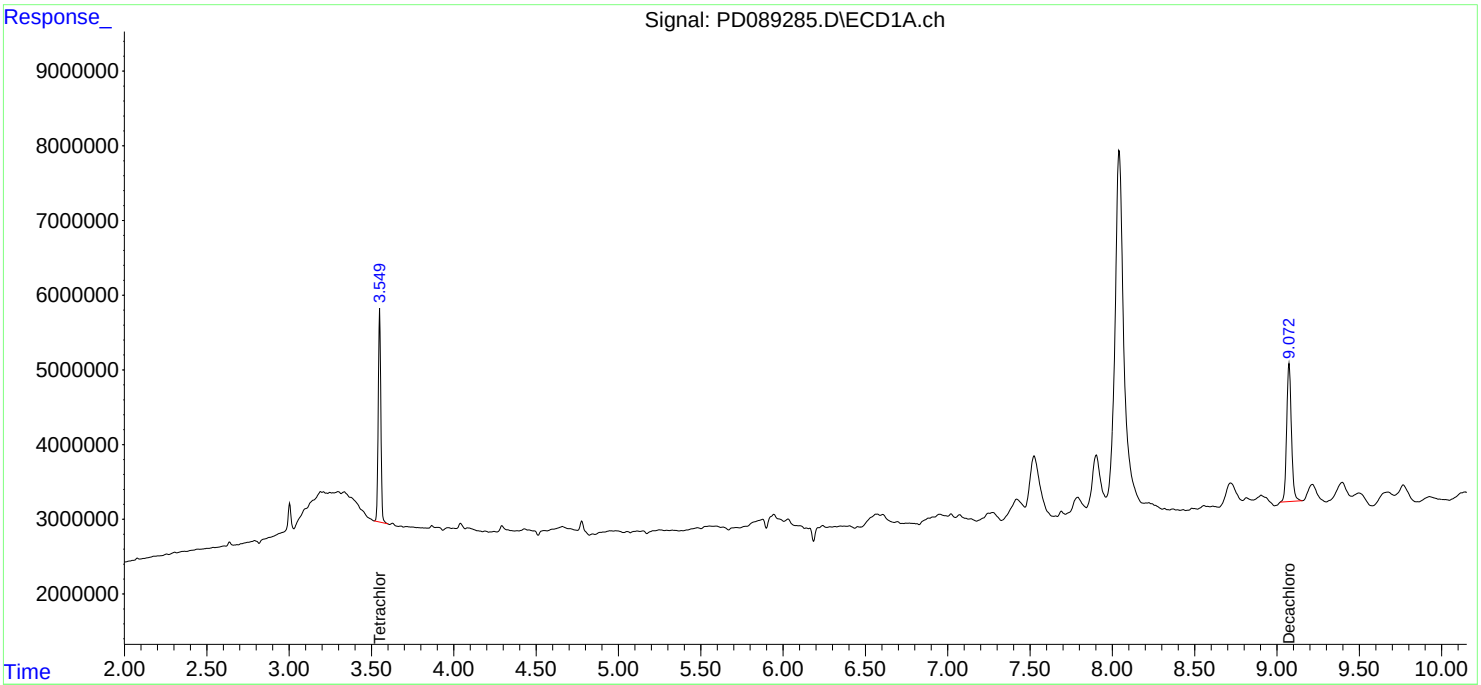
Sample Results: **PD089285.D**

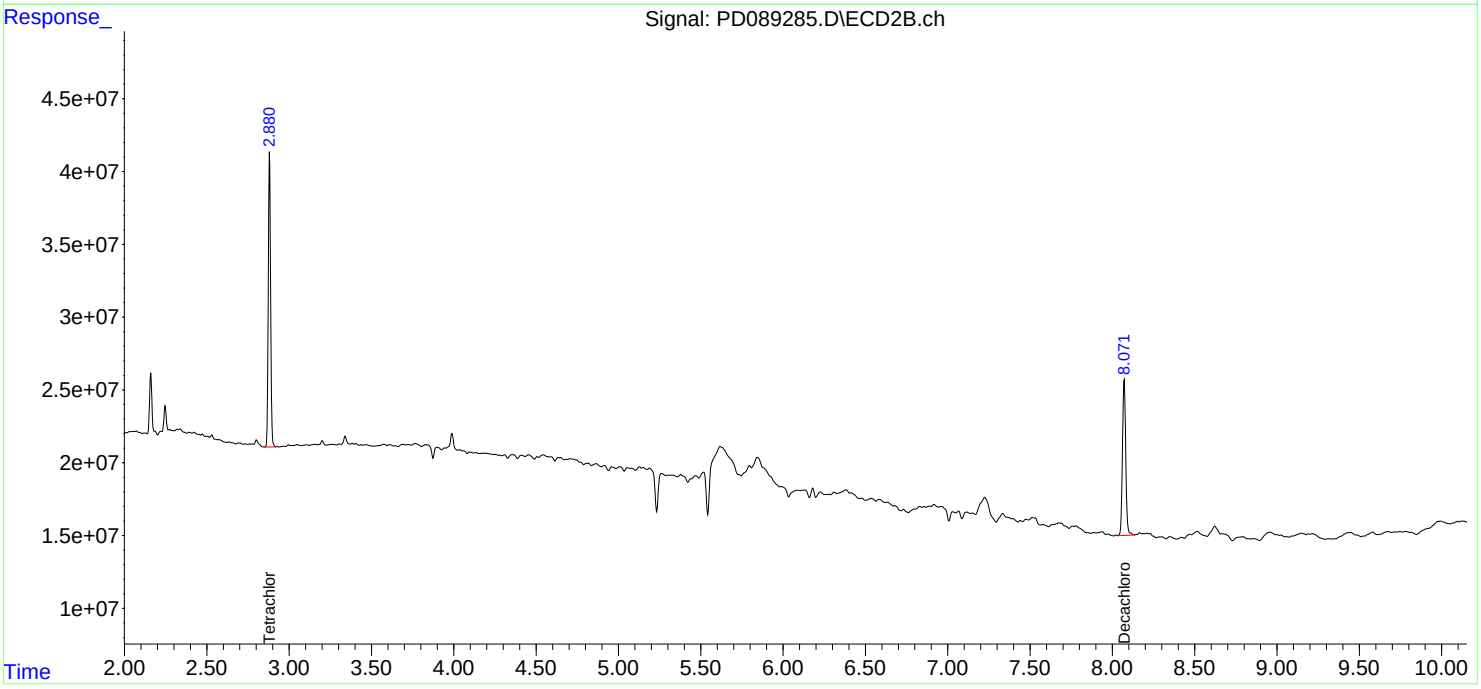
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 18:40
Operator : AR\AJ
Sample : Q2458-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

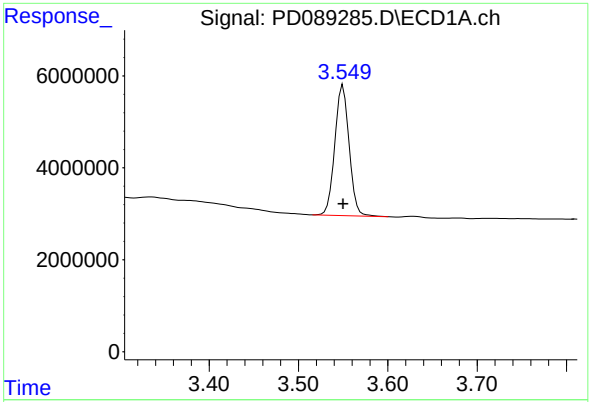
**Instrument :**
ECD_D
**ClientSampleId :**
TP-55

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



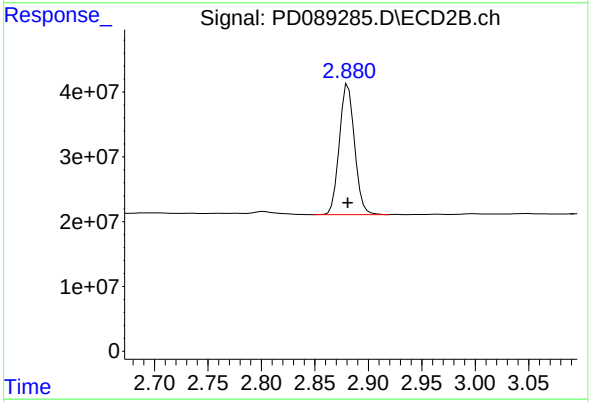






#1 Tetrachloro-m-xylene

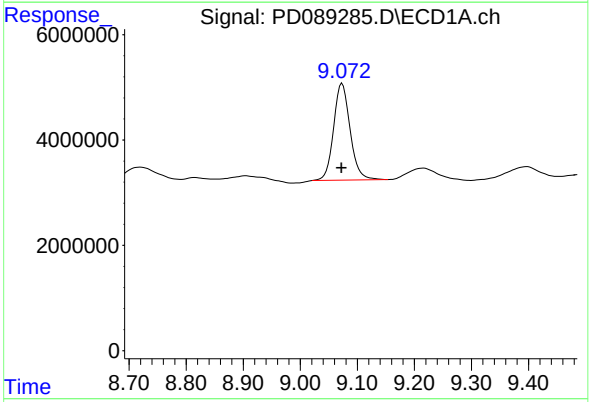
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 31512300
Conc: 11.04 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-55



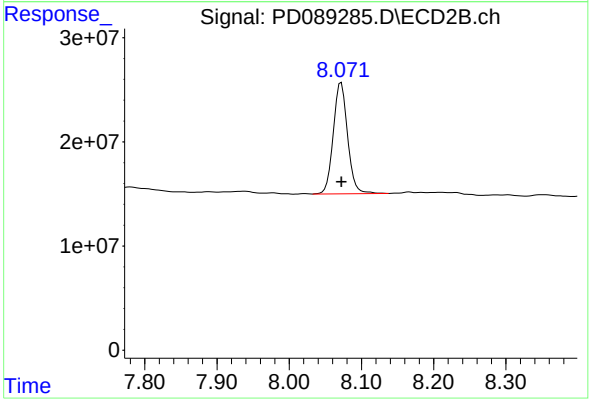

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 200155158
Conc: 11.81 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.002 min
Response: 36952271
Conc: 9.41 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 147262407
Conc: 7.45 ng/ml

Raw Data: **PD089286.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-68 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-03 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 92.3 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089286.D | 1 | 07/01/25 08:30 | 07/01/25 18:53 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.14 | U | 0.14 | 1.80 | ug/kg |
| 319-85-7 | beta-BHC | 0.20 | U | 0.20 | 1.80 | ug/kg |
| 319-86-8 | delta-BHC | 0.42 | U | 0.42 | 1.80 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 76-44-8 | Heptachlor | 0.13 | U | 0.13 | 1.80 | ug/kg |
| 309-00-2 | Aldrin | 0.13 | U | 0.13 | 1.80 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.21 | U | 0.21 | 1.80 | ug/kg |
| 959-98-8 | Endosulfan I | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 60-57-1 | Dieldrin | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 72-20-8 | Endrin | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.31 | U | 0.31 | 1.80 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.16 | U | 0.16 | 1.80 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.14 | U | 0.14 | 1.80 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 72-43-5 | Methoxychlor | 0.40 | U | 0.40 | 1.80 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.21 | U | 0.21 | 1.80 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.40 | U | 0.40 | 1.80 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.13 | U | 0.13 | 1.80 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.16 | U | 0.16 | 1.80 | ug/kg |
| 8001-35-2 | Toxaphene | 5.90 | U | 5.90 | 35.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.1 | | 20 - 144 | 66% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 17.9 | | 19 - 148 | 89% | SPK: 20 |

Raw Data: **PD089286.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-68 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-03 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 92.3 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089286.D | 1 | 07/01/25 08:30 | 07/01/25 18:53 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PD089286.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 18:53
Operator : AR\AJ
Sample : Q2458-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-68

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.879 | 46258267 | 302.6E6 | 16.213 | 17.852m |
| 28) | SA Decachlor... | 9.072 | 8.070 | 51575801 | 216.0E6 | 13.132m | 10.926 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 18:53
Operator : AR\AJ
Sample : Q2458-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

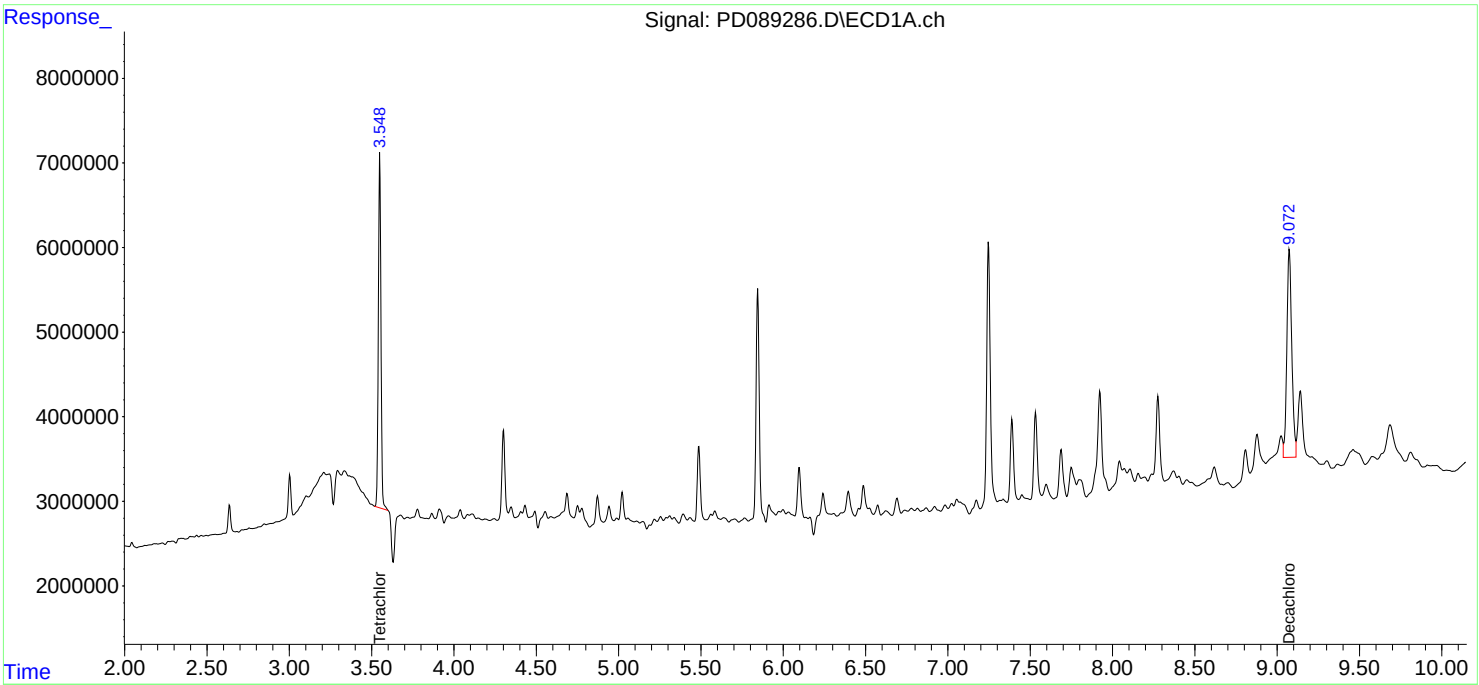
**Instrument :**
ECD_D
**ClientSampleId :**
TP-68

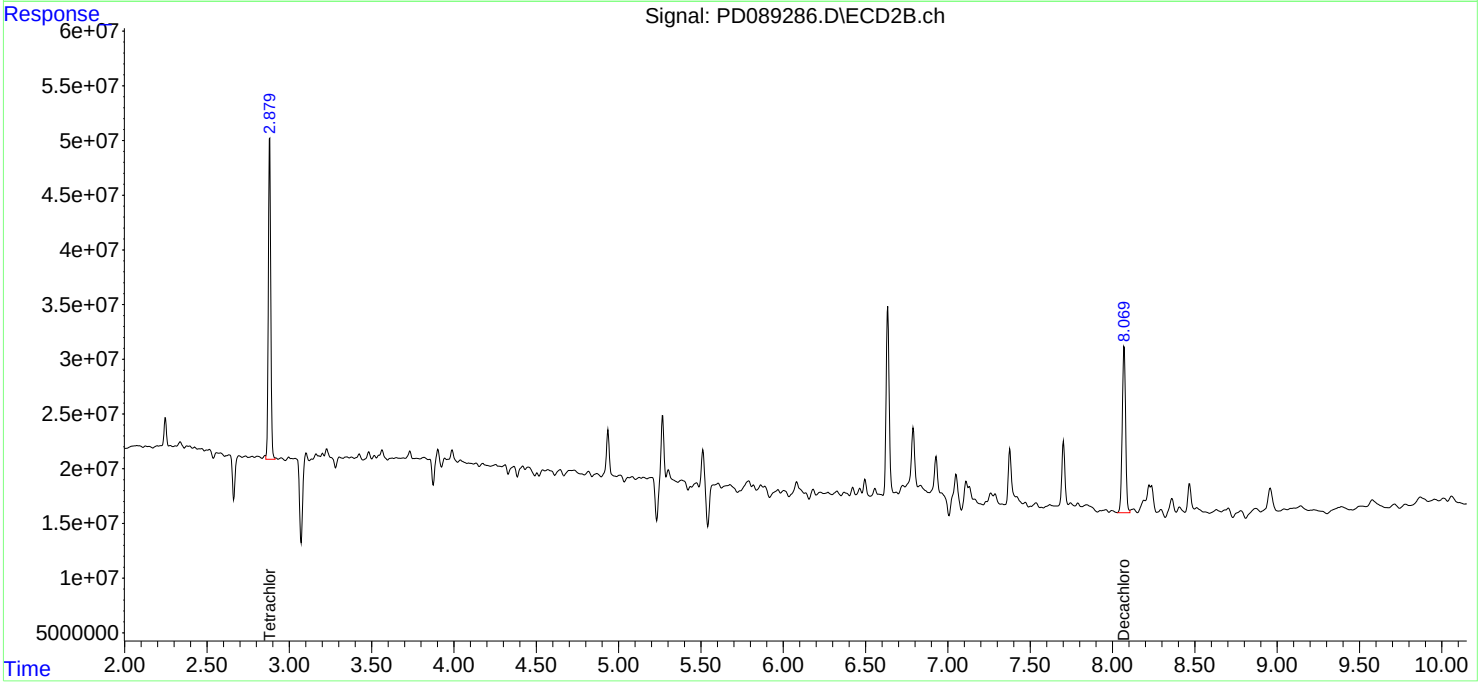
**Manual Integrations APPROVED**

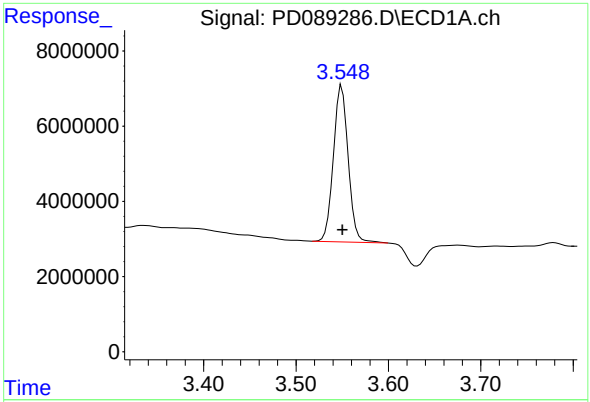
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





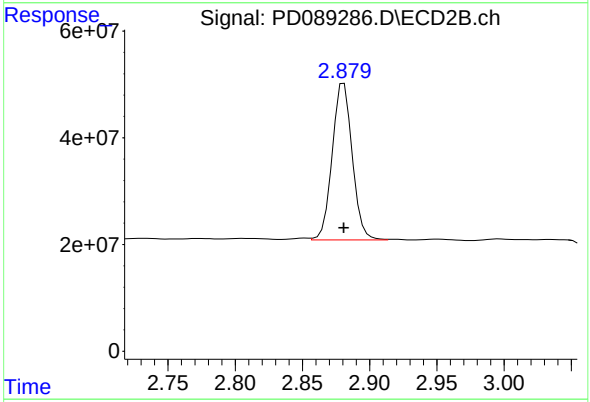

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 46258267
Conc: 16.21 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-68

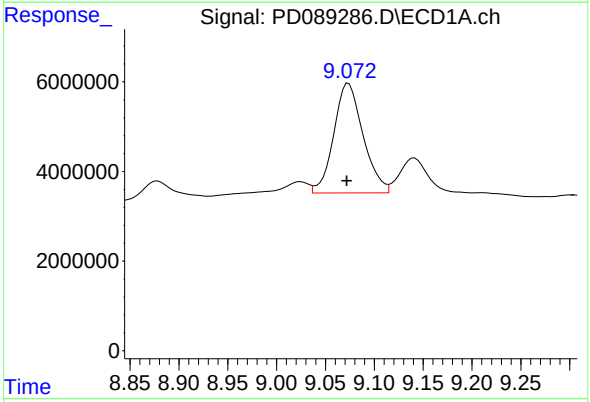
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



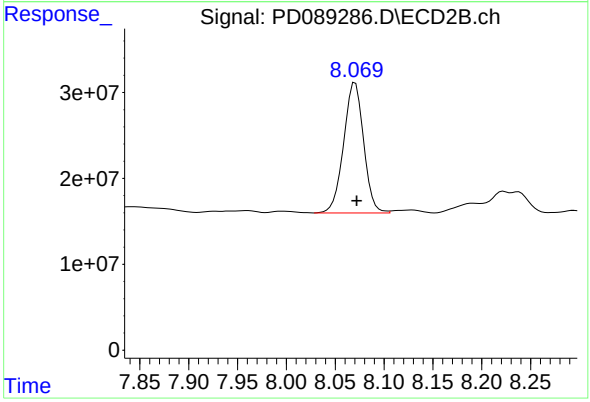

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 302645220
Conc: 17.85 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 51575801
Conc: 13.13 ng/ml m




#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 216010092
Conc: 10.93 ng/ml

Raw Data: **PD089290.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-67 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-04 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 89.7 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089290.D | 1 | 07/01/25 08:30 | 07/01/25 20:15 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 319-85-7 | beta-BHC | 0.20 | U | 0.20 | 1.90 | ug/kg |
| 319-86-8 | delta-BHC | 0.43 | U | 0.43 | 1.90 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 76-44-8 | Heptachlor | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 309-00-2 | Aldrin | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 959-98-8 | Endosulfan I | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 60-57-1 | Dieldrin | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.34 | JP | 0.16 | 1.90 | ug/kg |
| 72-20-8 | Endrin | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.32 | U | 0.32 | 1.90 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.17 | U | 0.17 | 1.90 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 72-43-5 | Methoxychlor | 0.41 | U | 0.41 | 1.90 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.41 | U | 0.41 | 1.90 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.48 | JP | 0.13 | 1.90 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.29 | J | 0.17 | 1.90 | ug/kg |
| 8001-35-2 | Toxaphene | 6.00 | U | 6.00 | 36.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 15.0 | | 20 - 144 | 75% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.0 | | 19 - 148 | 100% | SPK: 20 |

Raw Data: **PD089290.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-67 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-04 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 89.7 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089290.D | 1 | 07/01/25 08:30 | 07/01/25 20:15 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089290.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:15
Operator : AR\AJ
Sample : Q2458-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-67

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.880 | 54454459 | 339.4E6 | 19.086 | 20.019m |
| 28) | SA Decachlor... | 9.074 | 8.072 | 58649677 | 295.7E6 | 14.933 | 14.956 |
| | Target Compounds | | | | | | |
| 10) | B gamma-Chl... | 5.944 | 5.125 | 3682776 | 15008798 | 0.769m | 0.627m |
| 11) | B alpha-Chl... | 6.031 | 5.189 | 6243612 | 18011582 | 1.290 | 0.787m# |
| 12) | B 4,4'-DDE | 6.196 | 5.374 | 2459007 | 21389348 | 0.564 | 0.933m# |
| 17) | MA 4,4'-DDT | 7.020 | 6.183 | 1329797 | 21703639 | 0.351m | 1.070 # |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:15
Operator : AR\AJ
Sample : Q2458-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

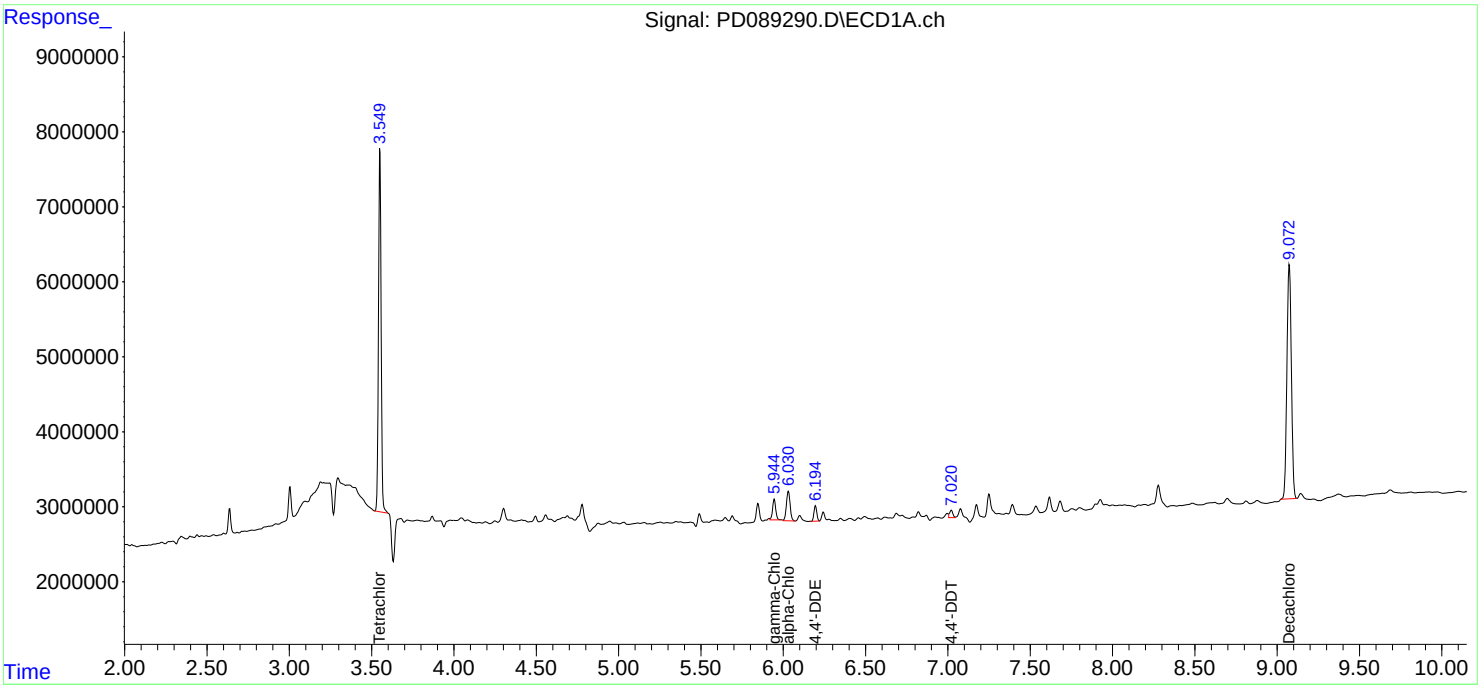
**Instrument :**
ECD_D
**ClientSampleId :**
TP-67

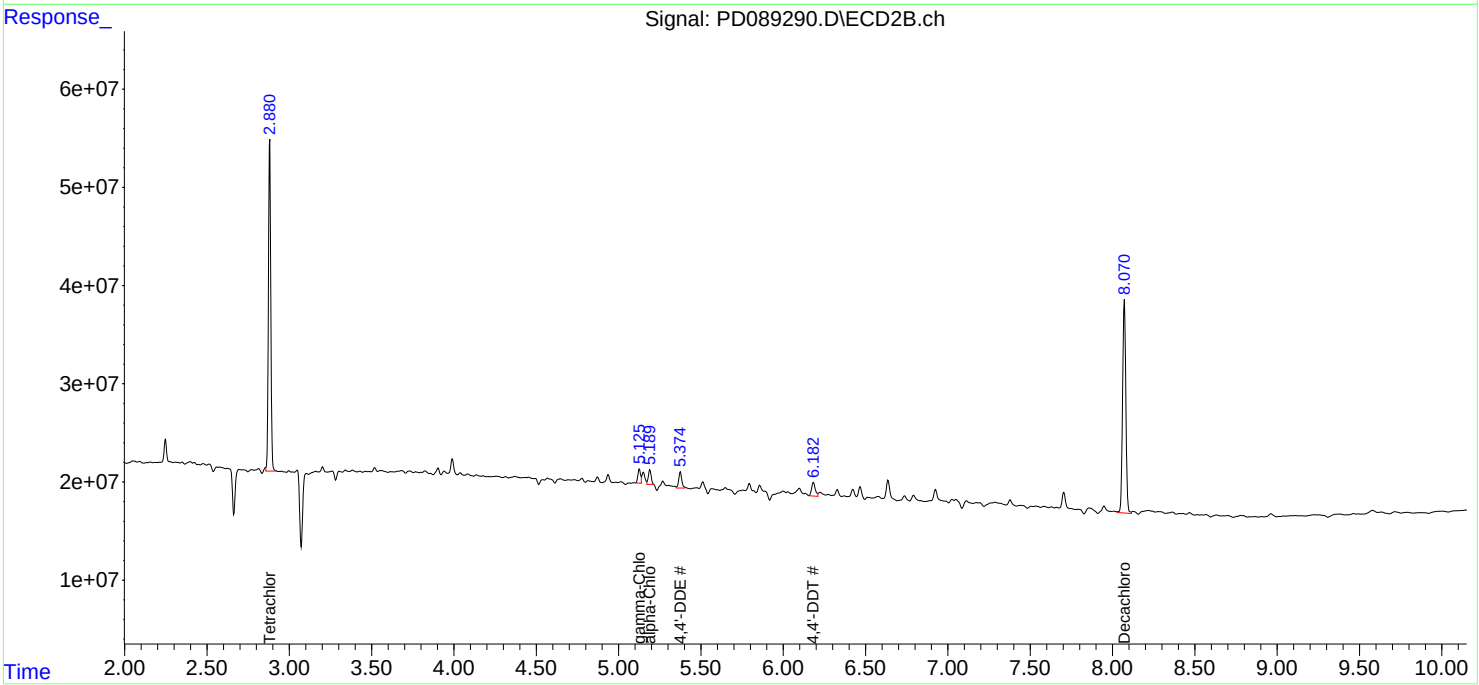
**Manual Integrations APPROVED**

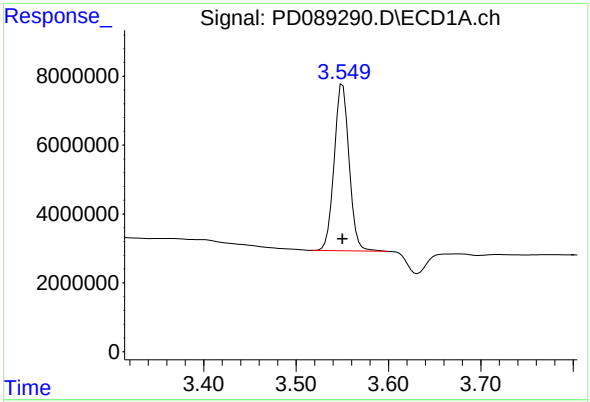
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





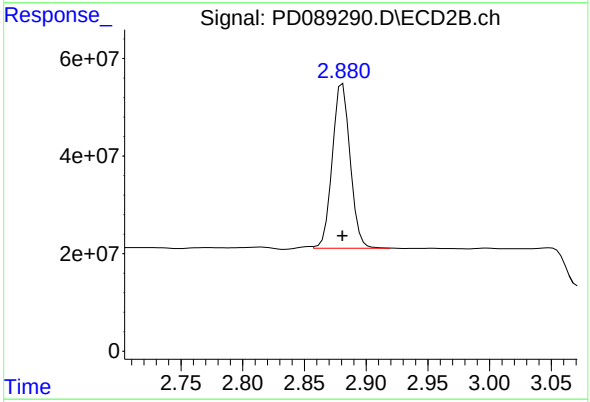

#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 54454459
Conc: 19.09 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-67

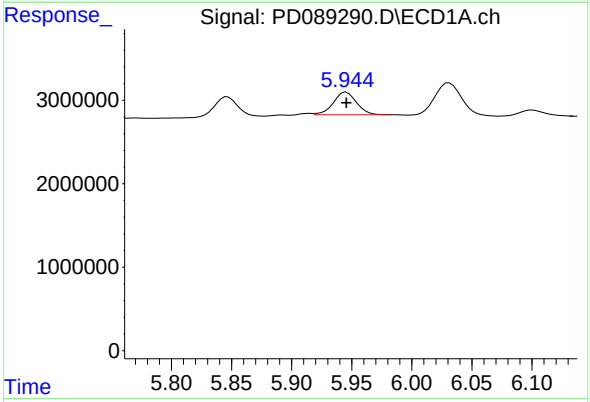
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



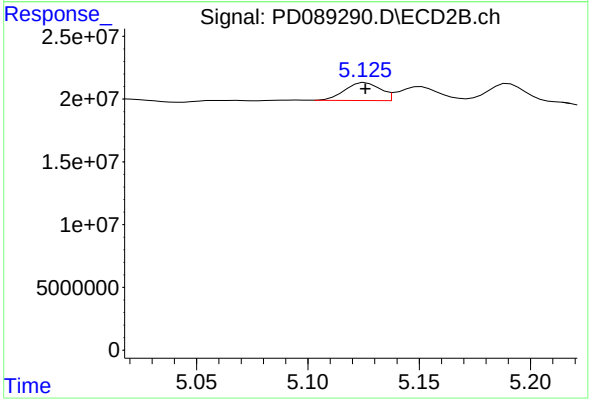

#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 339387727
Conc: 20.02 ng/ml m



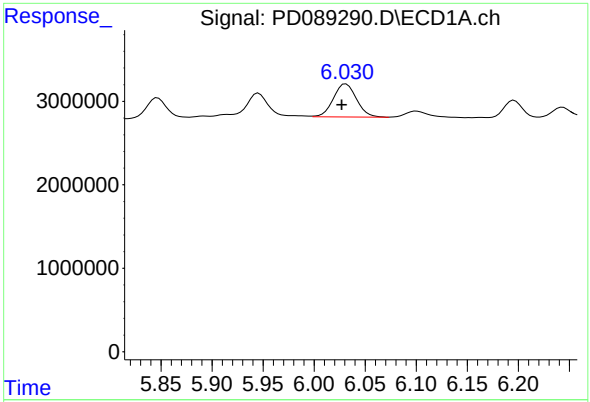

#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.001 min
Response: 3682776
Conc: 0.77 ng/ml m




#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.001 min
Response: 15008798
Conc: 0.63 ng/ml m



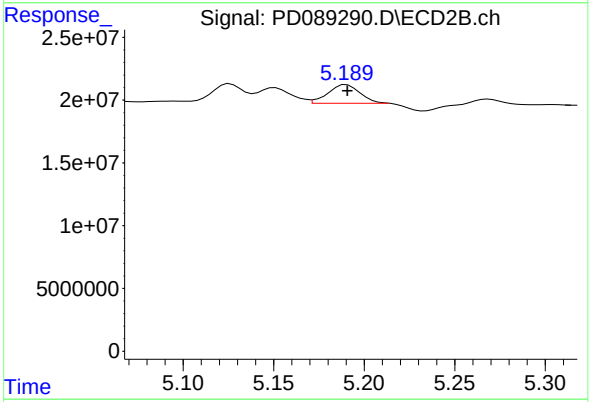

#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.004 min
Response: 6243612
Conc: 1.29 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-67

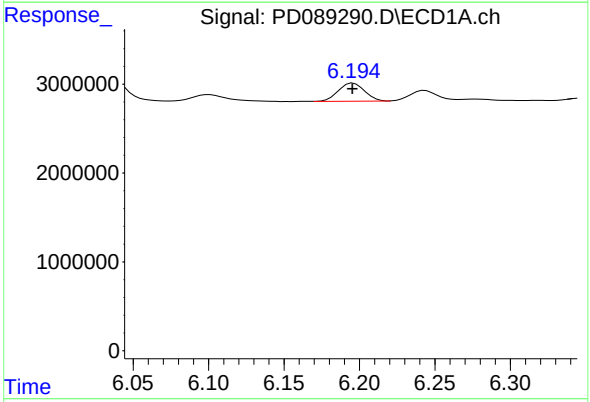
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



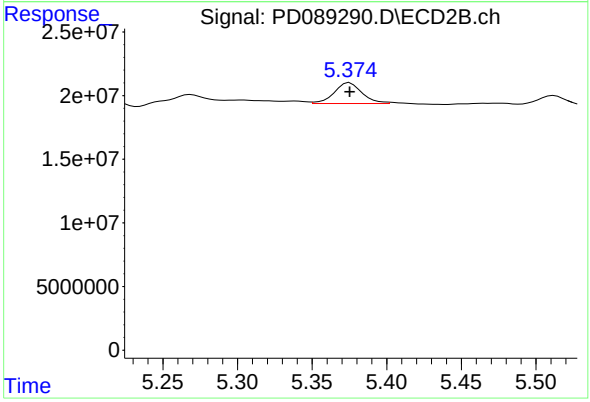

#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 18011582
Conc: 0.79 ng/ml m



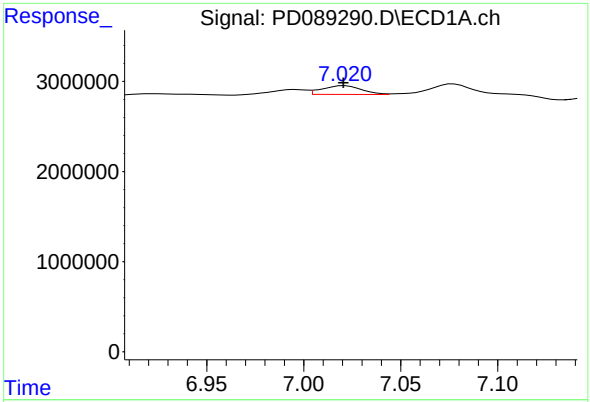

#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 2459007
Conc: 0.56 ng/ml




#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 21389348
Conc: 0.93 ng/ml m



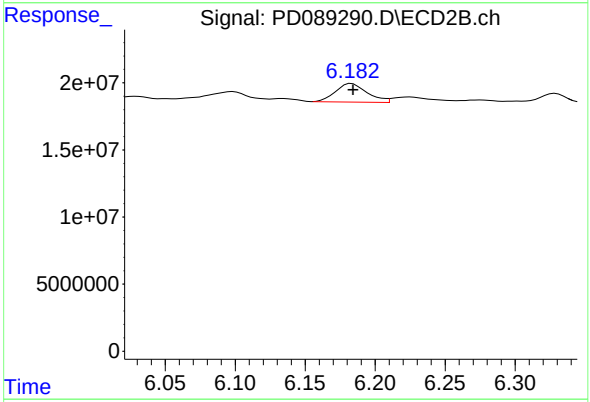

#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 1329797
Conc: 0.35 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-67

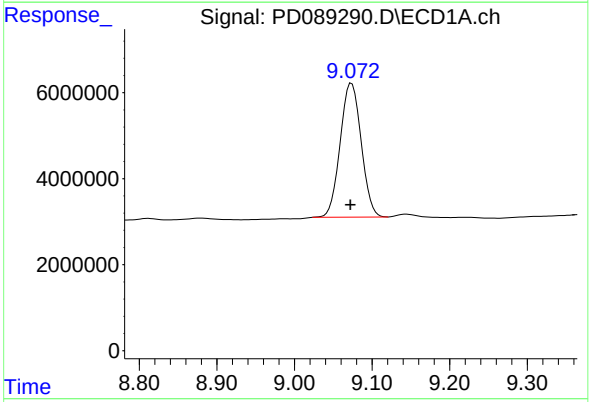
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



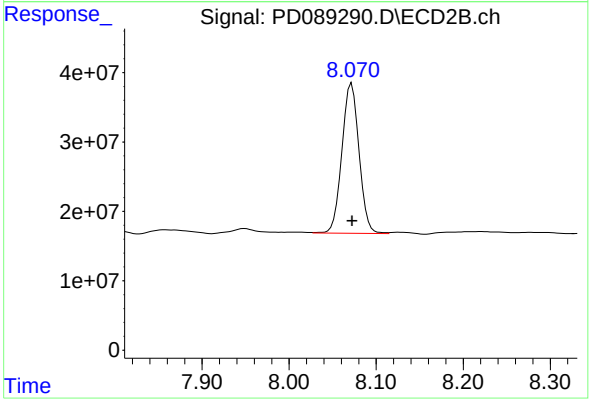

#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 21703639
Conc: 1.07 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 58649677
Conc: 14.93 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 295669920
Conc: 14.96 ng/ml

Raw Data: **PD089293.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-66 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-05 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 88.3 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089293.D | 1 | 07/01/25 08:30 | 07/01/25 20:57 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 319-85-7 | beta-BHC | 0.20 | U | 0.20 | 1.90 | ug/kg |
| 319-86-8 | delta-BHC | 0.44 | U | 0.44 | 1.90 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 76-44-8 | Heptachlor | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 309-00-2 | Aldrin | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 959-98-8 | Endosulfan I | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 60-57-1 | Dieldrin | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 72-20-8 | Endrin | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.33 | U | 0.33 | 1.90 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.17 | U | 0.17 | 1.90 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.40 | JP | 0.16 | 1.90 | ug/kg |
| 72-43-5 | Methoxychlor | 0.42 | U | 0.42 | 1.90 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.42 | U | 0.42 | 1.90 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.17 | U | 0.17 | 1.90 | ug/kg |
| 8001-35-2 | Toxaphene | 6.10 | U | 6.10 | 37.3 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 10.6 | | 20 - 144 | 53% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 12.6 | | 19 - 148 | 63% | SPK: 20 |

Raw Data: **PD089293.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-66 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-05 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 88.3 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089293.D | 1 | 07/01/25 08:30 | 07/01/25 20:57 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089293.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:57
Operator : AR\AJ
Sample : Q2458-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-66

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.881 | 33039023 | 213.6E6 | 11.580 | 12.598 |
| 28) | SA Decachlor... | 9.073 | 8.072 | 41602422 | 206.3E6 | 10.592 | 10.434 |
| | Target Compounds | | | | | | |
| 17) | MA 4,4'-DDT | 7.020 | 6.179 | 2447978 | 21604807 | 0.646m | 1.065m# |

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

Sample Results: **PD089293.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:57
Operator : AR\AJ
Sample : Q2458-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

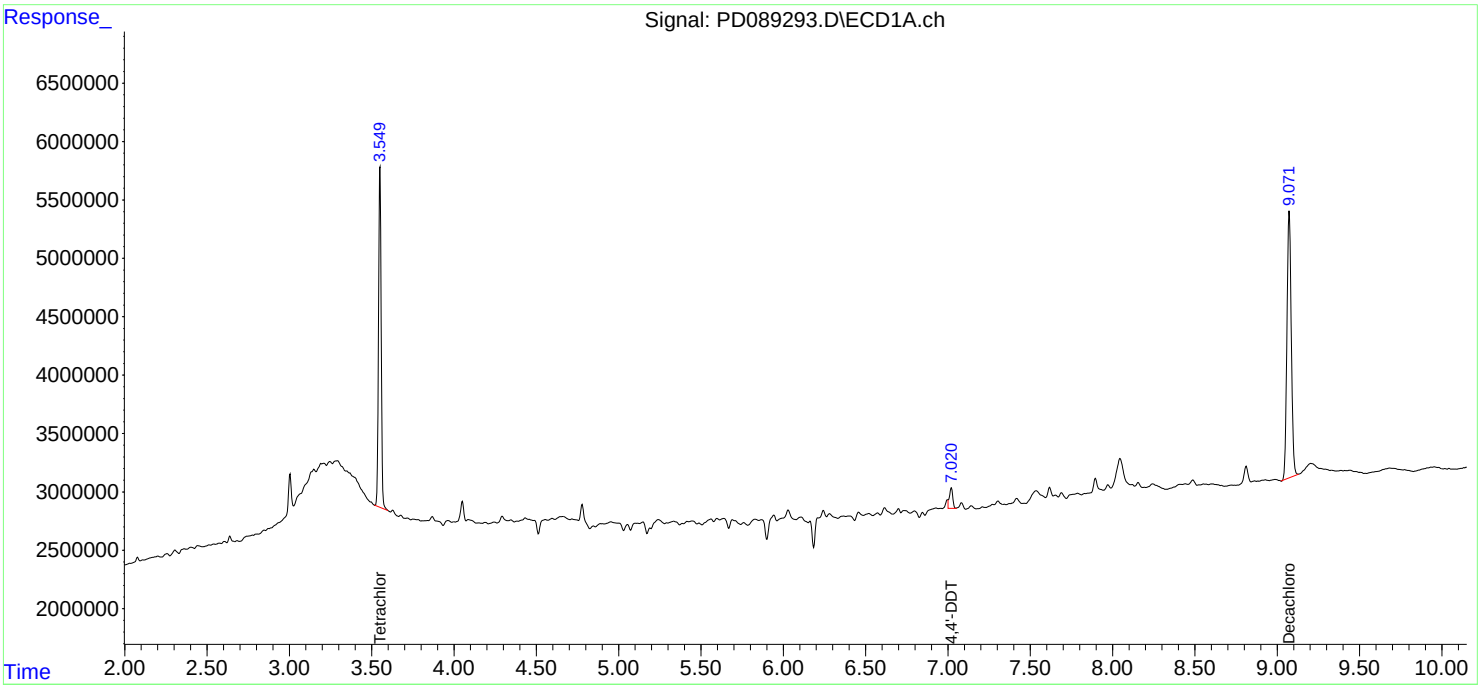
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

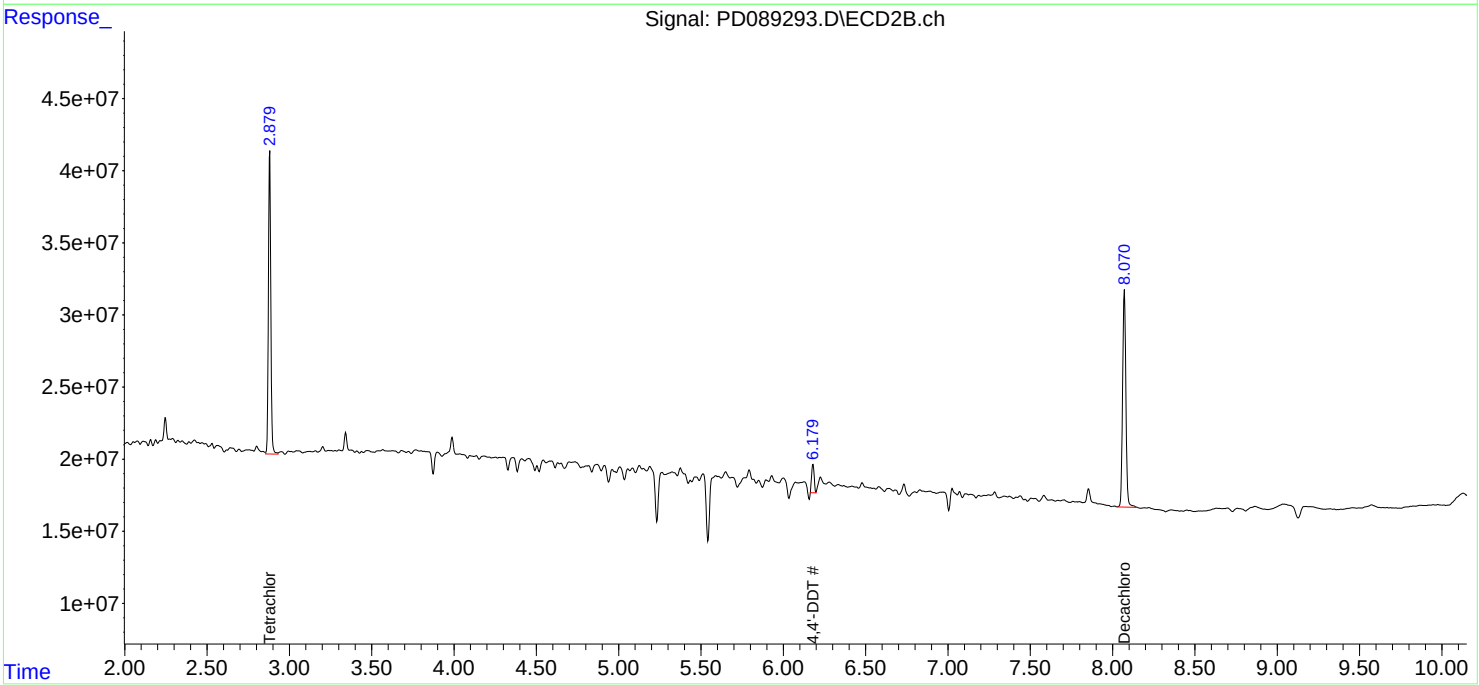
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

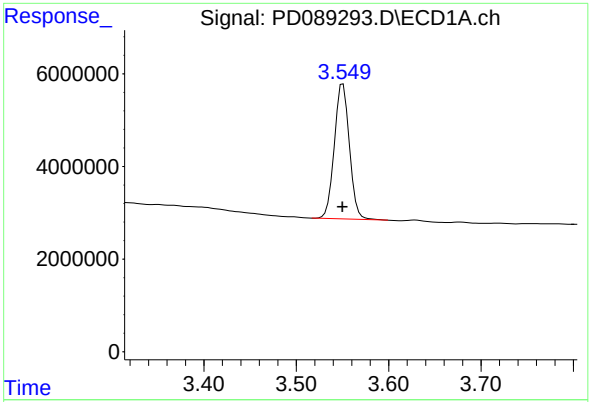
**Instrument :**
ECD_D
**ClientSampleId :**
TP-66

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025





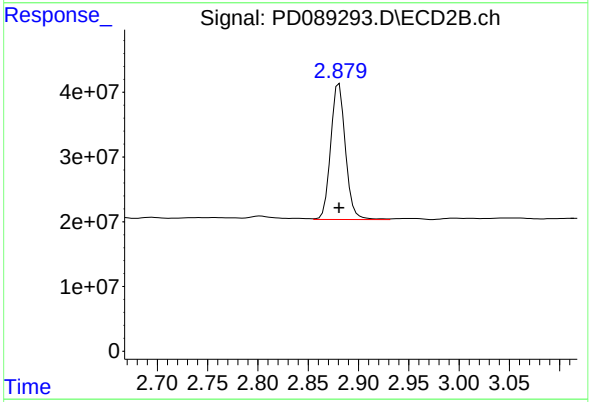

#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 33039023
Conc: 11.58 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-66

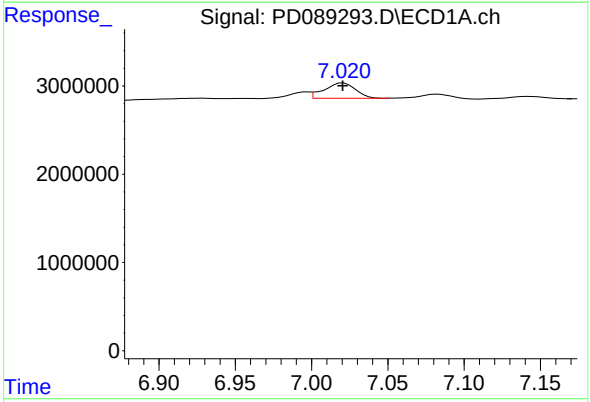
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



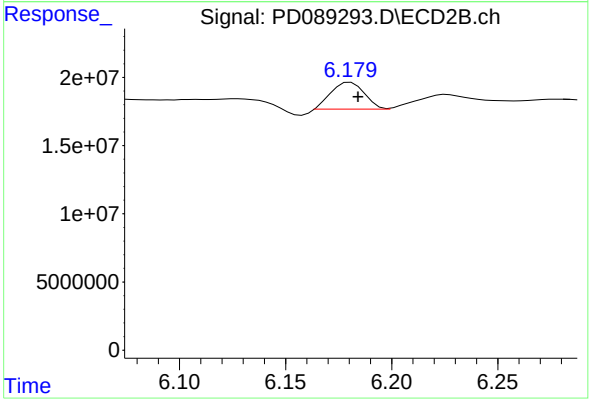

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 213570595
Conc: 12.60 ng/ml



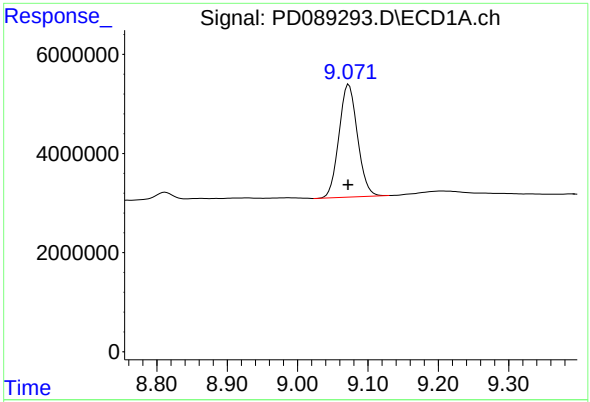

#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 2447978
Conc: 0.65 ng/ml m




#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.005 min
Response: 21604807
Conc: 1.07 ng/ml m



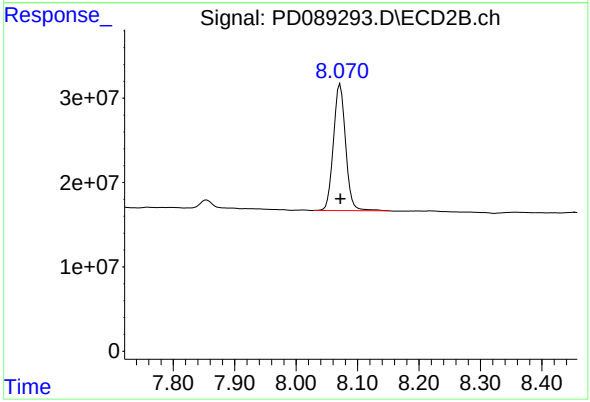

#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 41602422
Conc: 10.59 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-66

**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 206274214
Conc: 10.43 ng/ml

Raw Data: **PD089294.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-60 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-06 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 92.5 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089294.D | 1 | 07/01/25 08:30 | 07/01/25 21:10 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.14 | U | 0.14 | 1.80 | ug/kg |
| 319-85-7 | beta-BHC | 0.19 | U | 0.19 | 1.80 | ug/kg |
| 319-86-8 | delta-BHC | 0.42 | U | 0.42 | 1.80 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 76-44-8 | Heptachlor | 0.13 | U | 0.13 | 1.80 | ug/kg |
| 309-00-2 | Aldrin | 0.13 | U | 0.13 | 1.80 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.21 | U | 0.21 | 1.80 | ug/kg |
| 959-98-8 | Endosulfan I | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 60-57-1 | Dieldrin | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 72-20-8 | Endrin | 0.15 | U | 0.15 | 1.80 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.31 | U | 0.31 | 1.80 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.17 | J | 0.16 | 1.80 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.14 | U | 0.14 | 1.80 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.36 | JP | 0.15 | 1.80 | ug/kg |
| 72-43-5 | Methoxychlor | 0.40 | U | 0.40 | 1.80 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.21 | U | 0.21 | 1.80 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.40 | U | 0.40 | 1.80 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.90 | JP | 0.13 | 1.80 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.46 | J | 0.16 | 1.80 | ug/kg |
| 8001-35-2 | Toxaphene | 5.80 | U | 5.80 | 35.6 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 11.6 | | 20 - 144 | 58% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 13.7 | | 19 - 148 | 68% | SPK: 20 |

Raw Data: **PD089294.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-60 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-06 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 92.5 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089294.D | 1 | 07/01/25 08:30 | 07/01/25 21:10 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089294.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:10
Operator : AR\AJ
Sample : Q2458-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-60

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.550 | 2.881 | 35343982 | 231.5E6 | 12.388 | 13.653 |
| 28) SA | Decachlor... | 9.073 | 8.072 | 45383904 | 146.8E6 | 11.555 | 7.426 # |
| | Target Compounds | | | | | | |
| 10) B | gamma-Chl... | 5.944 | 5.124 | 6128061 | 21242718 | 1.280m | 0.888m# |
| 11) B | alpha-Chl... | 6.030 | 5.188 | 12141915 | 36822266 | 2.509m | 1.608m# |
| 16) A | 4,4'-DDD | 6.700 | 5.927 | 1350255 | 8828695 | 0.393m | 0.462m |
| 17) MA | 4,4'-DDT | 7.019 | 6.180 | 1592517 | 20054610 | 0.420m | 0.989 # |

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

Sample Results: **PD089294.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:10
Operator : AR\AJ
Sample : Q2458-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

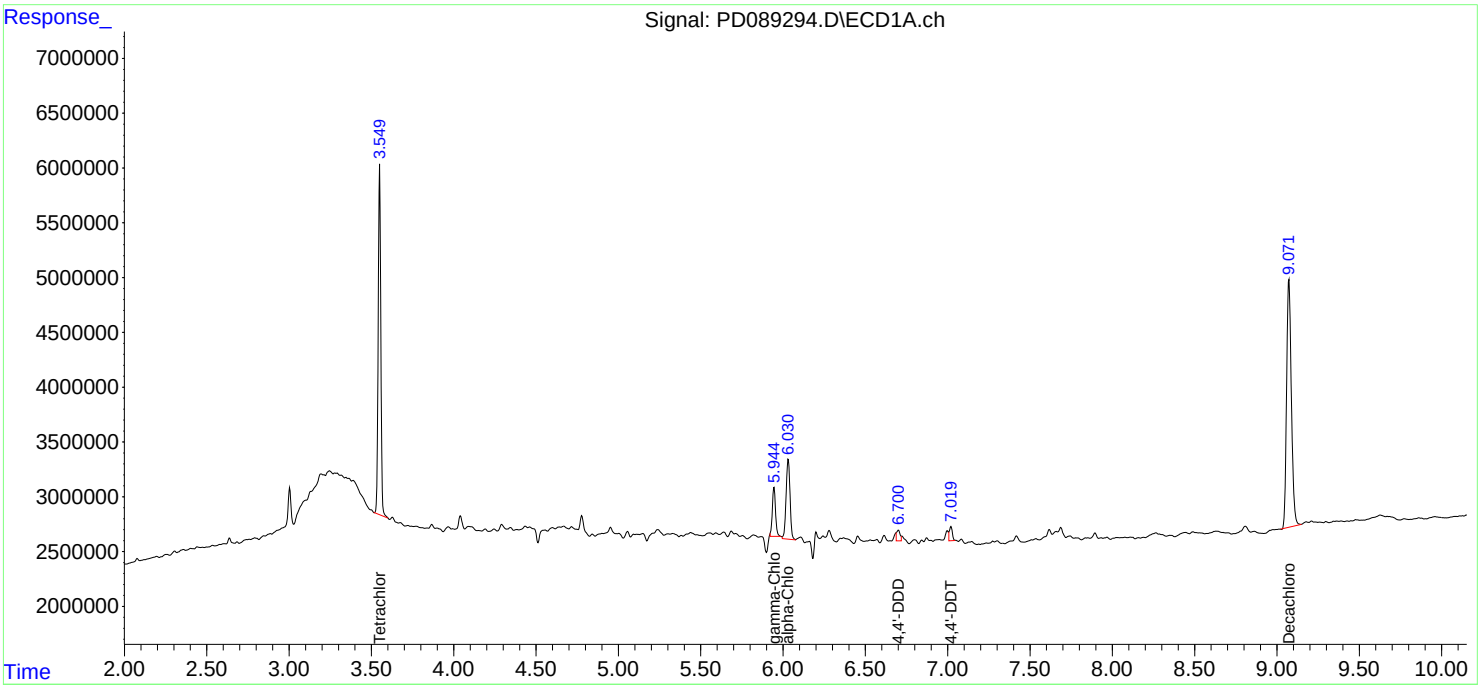
**Instrument :**
ECD_D
**ClientSampleId :**
TP-60

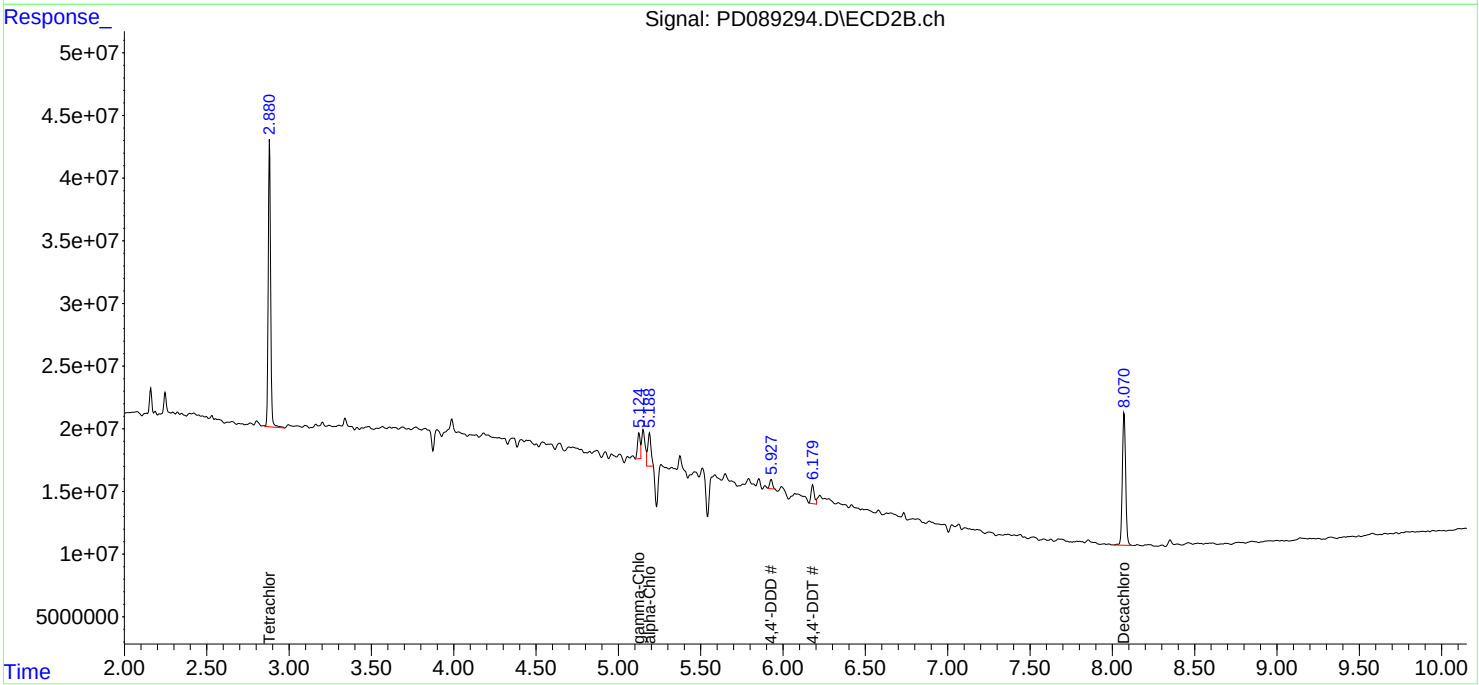
**Manual Integrations APPROVED**

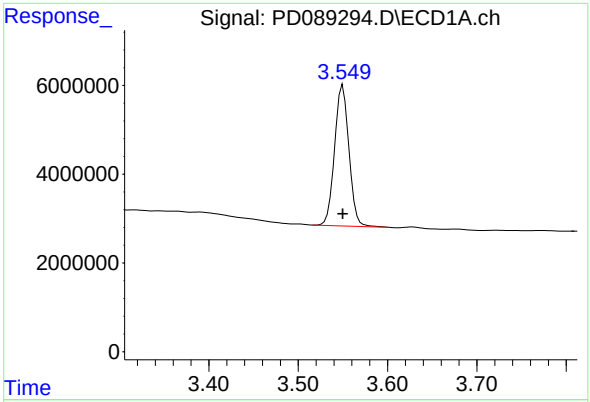
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





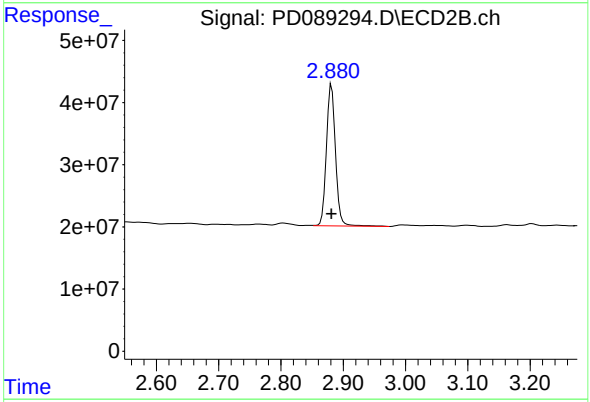

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 35343982
Conc: 12.39 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-60

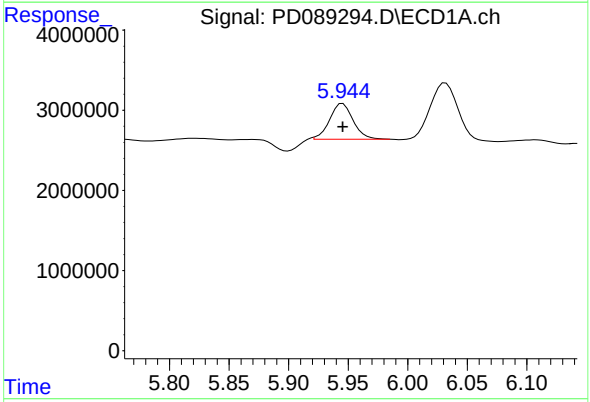
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



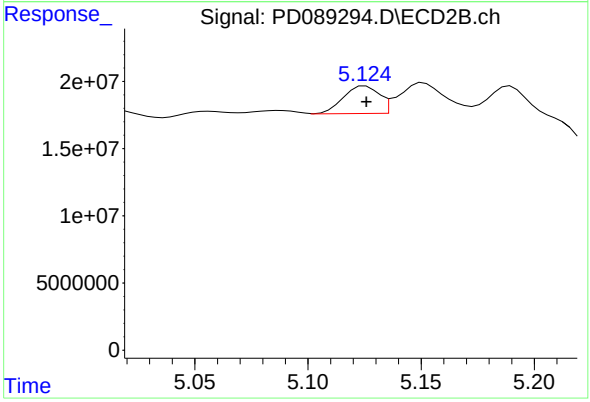

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 231465961
Conc: 13.65 ng/ml



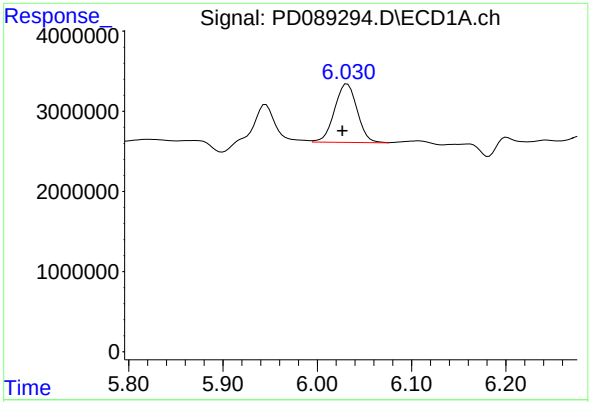

#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.001 min
Response: 6128061
Conc: 1.28 ng/ml m




#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 21242718
Conc: 0.89 ng/ml m



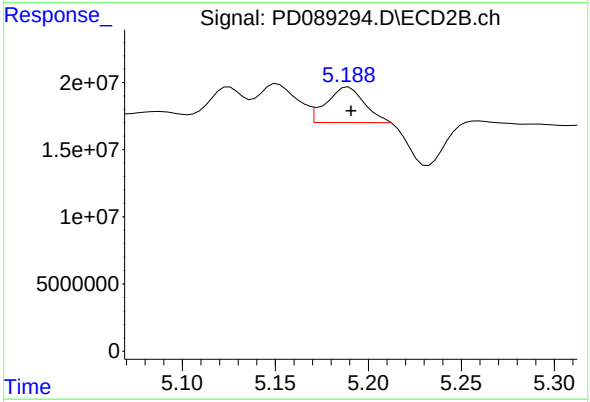

#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.004 min
Response: 12141915
Conc: 2.51 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-60

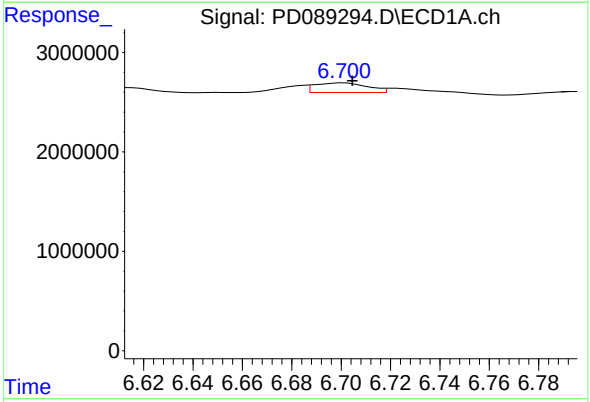
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



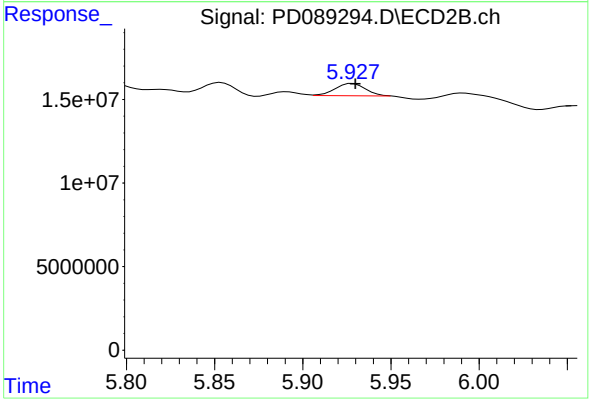

#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 36822266
Conc: 1.61 ng/ml m



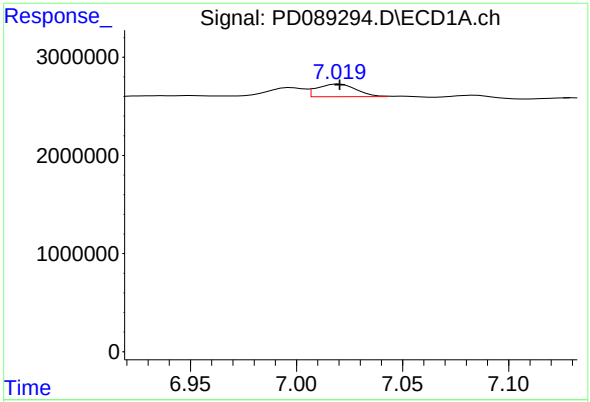

#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.005 min
Response: 1350255
Conc: 0.39 ng/ml m




#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 8828695
Conc: 0.46 ng/ml m



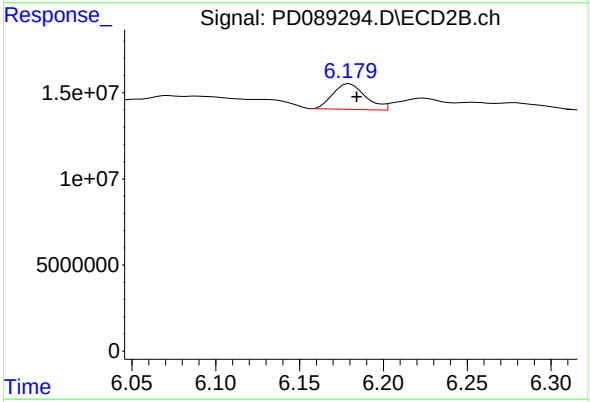

#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.002 min
Response: 1592517
Conc: 0.42 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-60

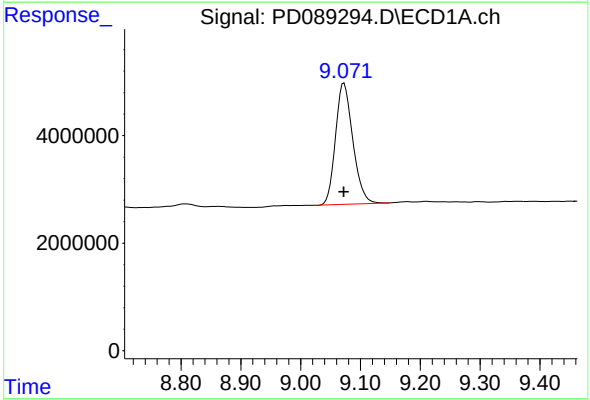
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



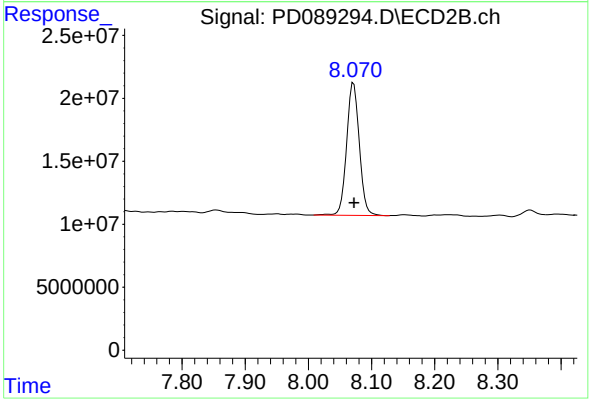

#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 20054610
Conc: 0.99 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 45383904
Conc: 11.56 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 146805452
Conc: 7.43 ng/ml

Raw Data: **PD089295.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-62 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-07 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 91.1 Decanted: |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089295.D | 1 | 07/01/25 08:30 | 07/01/25 21:24 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 319-85-7 | beta-BHC | 0.20 | U | 0.20 | 1.90 | ug/kg |
| 319-86-8 | delta-BHC | 0.43 | U | 0.43 | 1.90 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 76-44-8 | Heptachlor | 0.17 | J | 0.13 | 1.90 | ug/kg |
| 309-00-2 | Aldrin | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 959-98-8 | Endosulfan I | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 60-57-1 | Dieldrin | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 72-20-8 | Endrin | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.32 | U | 0.32 | 1.90 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.14 | U | 0.14 | 1.90 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.15 | U | 0.15 | 1.90 | ug/kg |
| 72-43-5 | Methoxychlor | 0.41 | U | 0.41 | 1.90 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.21 | U | 0.21 | 1.90 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.41 | U | 0.41 | 1.90 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.13 | U | 0.13 | 1.90 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.16 | U | 0.16 | 1.90 | ug/kg |
| 8001-35-2 | Toxaphene | 5.90 | U | 5.90 | 36.2 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 12.5 | | 20 - 144 | 62% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 17.6 | | 19 - 148 | 88% | SPK: 20 |

Raw Data: **PD089295.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-62 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-07 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 91.1 Decanted: |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089295.D | 1 | 07/01/25 08:30 | 07/01/25 21:24 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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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

Sample Results: **PD089295.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:24
Operator : AR\AJ
Sample : Q2458-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-62

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.880 | 44933438 | 298.9E6 | 15.749 | 17.630m |
| 28) | SA Decachlor... | 9.072 | 8.071 | 48993057 | 207.4E6 | 12.474 | 10.491 |
| | Target Compounds | | | | | | |
| 4) | MA Heptachlor | 4.936 | 4.082 | 2492245 | 8614864 | 0.457 | 0.344 |

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

Sample Results: **PD089295.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:24
Operator : AR\AJ
Sample : Q2458-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

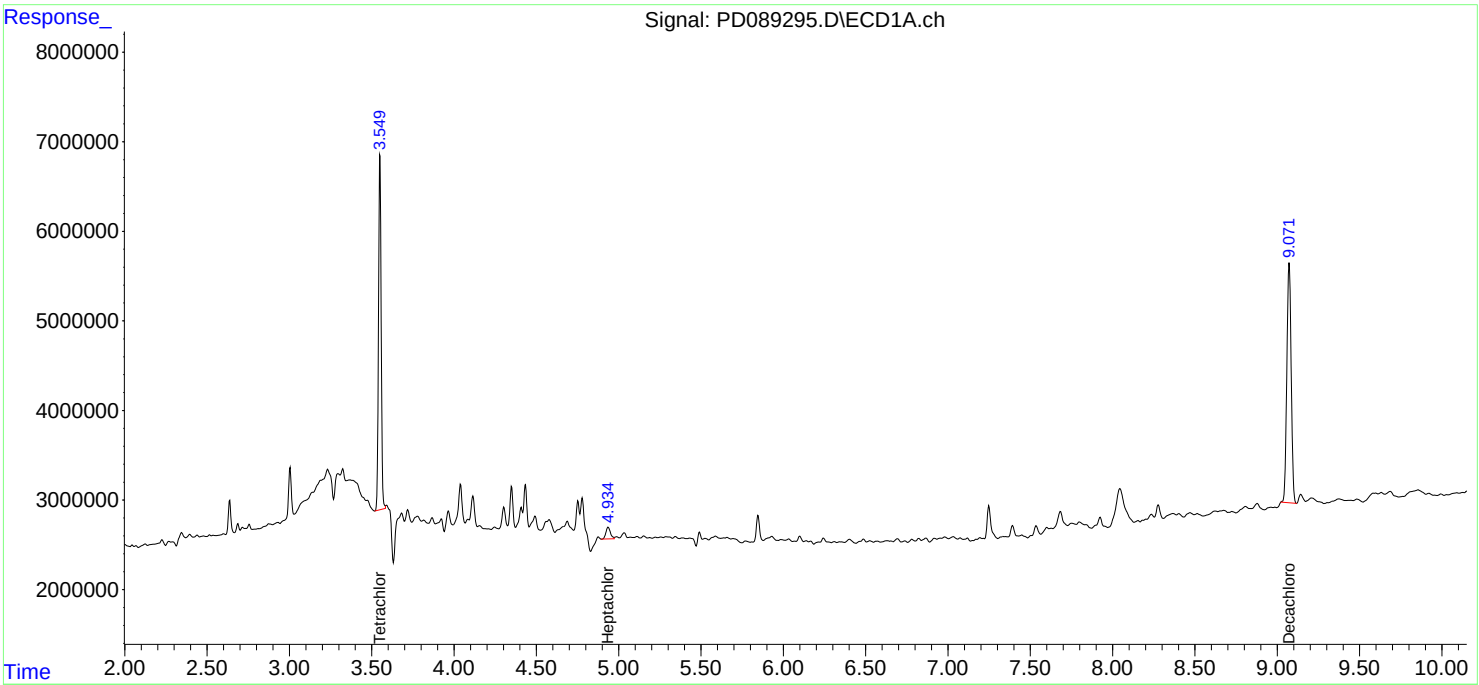
**Instrument :**
ECD_D
**ClientSampleId :**
TP-62

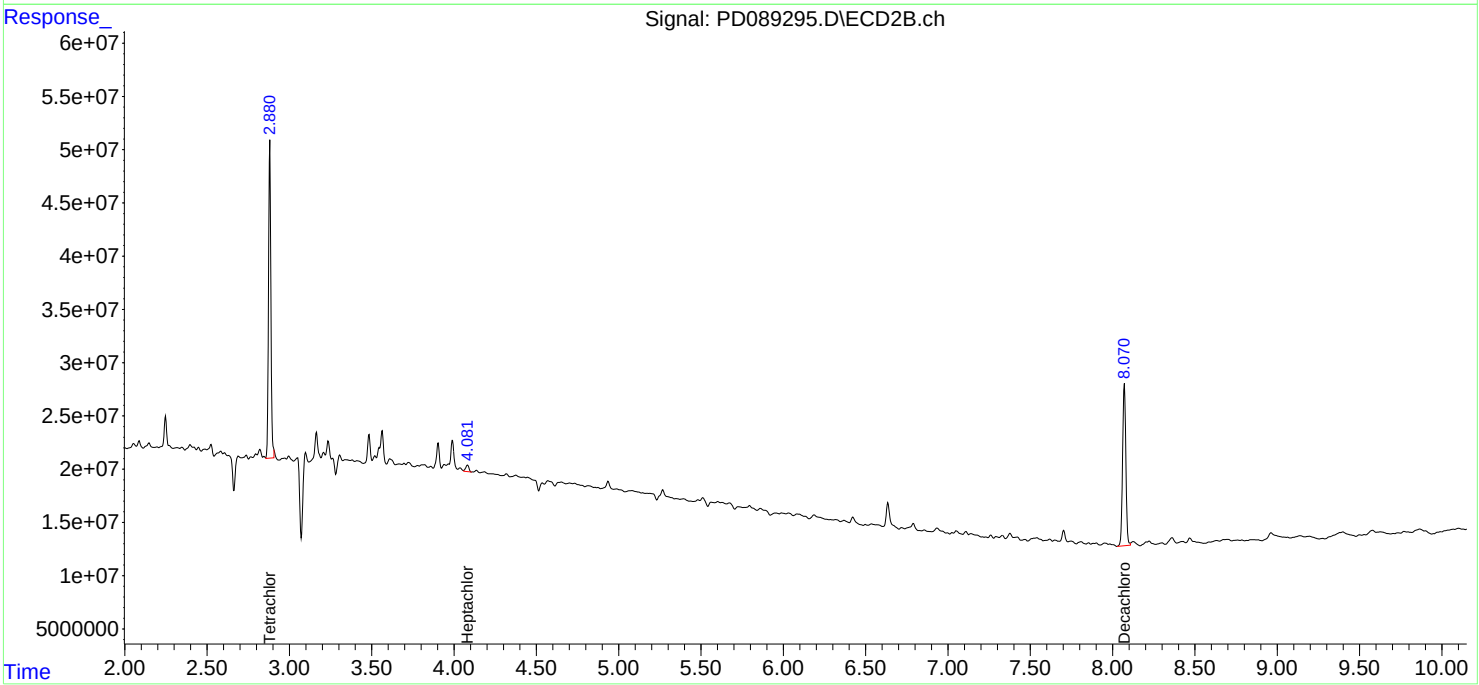
**Manual Integrations APPROVED**

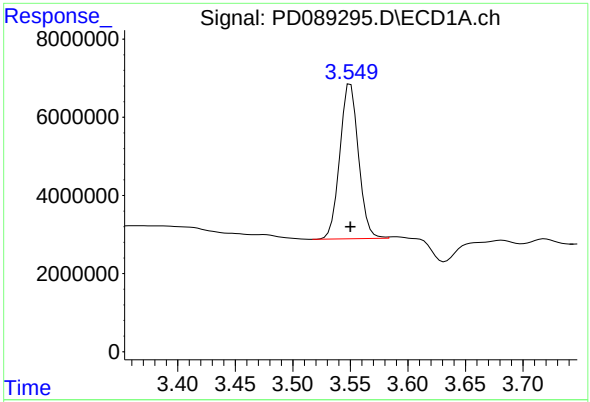
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





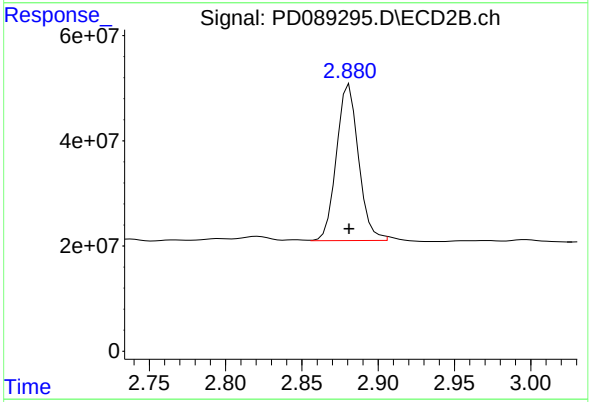

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 44933438
Conc: 15.75 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-62

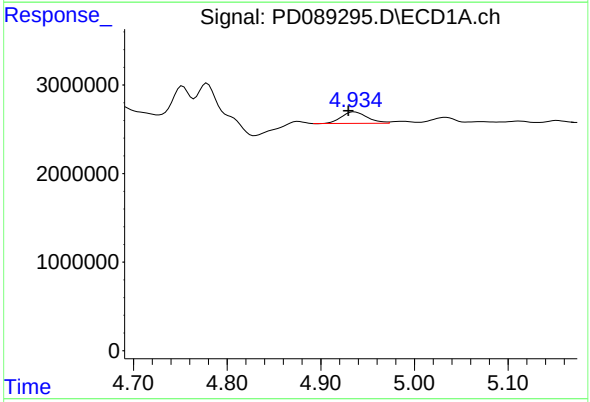
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



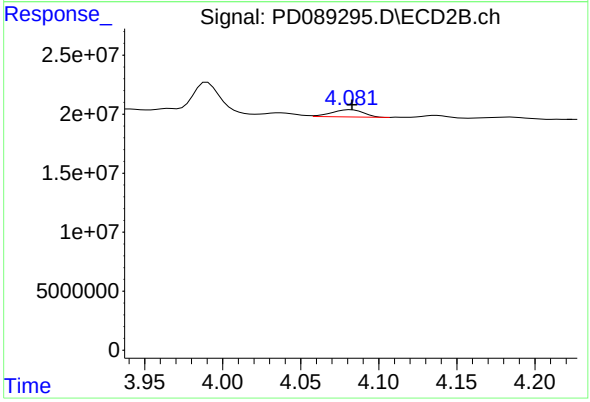

#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 298878304
Conc: 17.63 ng/ml m



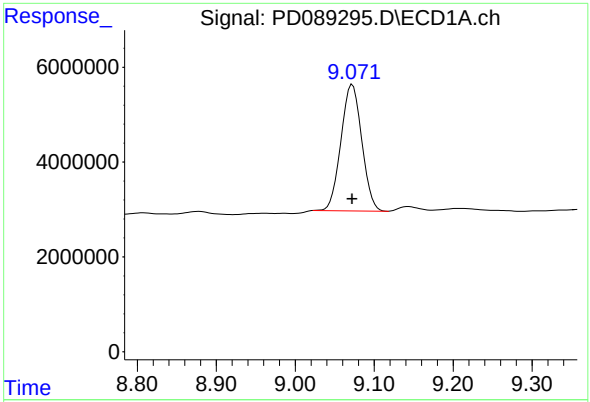

#4 Heptachlor

R.T.: 4.936 min
Delta R.T.: 0.006 min
Response: 2492245
Conc: 0.46 ng/ml




#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 8614864
Conc: 0.34 ng/ml



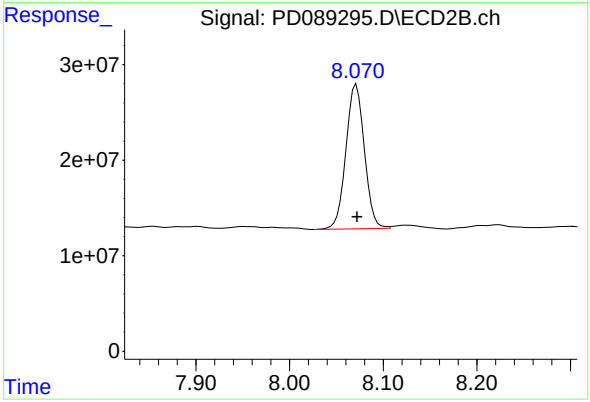

#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 48993057
Conc: 12.47 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-62

**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025




#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 207402121
Conc: 10.49 ng/ml

Raw Data: **PD089296.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-63 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-08 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 86.4 Decanted: |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089296.D | 1 | 07/01/25 08:30 | 07/01/25 21:37 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.15 | U | 0.15 | 2.00 | ug/kg |
| 319-85-7 | beta-BHC | 0.21 | U | 0.21 | 2.00 | ug/kg |
| 319-86-8 | delta-BHC | 0.45 | U | 0.45 | 2.00 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.16 | U | 0.16 | 2.00 | ug/kg |
| 76-44-8 | Heptachlor | 0.14 | U | 0.14 | 2.00 | ug/kg |
| 309-00-2 | Aldrin | 0.14 | U | 0.14 | 2.00 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.22 | U | 0.22 | 2.00 | ug/kg |
| 959-98-8 | Endosulfan I | 0.16 | U | 0.16 | 2.00 | ug/kg |
| 60-57-1 | Dieldrin | 0.16 | U | 0.16 | 2.00 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.16 | U | 0.16 | 2.00 | ug/kg |
| 72-20-8 | Endrin | 0.16 | U | 0.16 | 2.00 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.33 | U | 0.33 | 2.00 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.41 | J | 0.17 | 2.00 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.15 | U | 0.15 | 2.00 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.44 | JP | 0.16 | 2.00 | ug/kg |
| 72-43-5 | Methoxychlor | 0.43 | U | 0.43 | 2.00 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.22 | U | 0.22 | 2.00 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.43 | U | 0.43 | 2.00 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.58 | J | 0.14 | 2.00 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.40 | J | 0.17 | 2.00 | ug/kg |
| 8001-35-2 | Toxaphene | 6.20 | U | 6.20 | 38.1 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 10.2 | | 20 - 144 | 51% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 12.7 | | 19 - 148 | 64% | SPK: 20 |

Raw Data: **PD089296.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-63 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-08 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 86.4 Decanted: |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089296.D | 1 | 07/01/25 08:30 | 07/01/25 21:37 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089296.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:37
Operator : AR\AJ
Sample : Q2458-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-63

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | **System Monitoring Compounds** | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.880 | 33016136 | 216.0E6 | 11.572 | 12.740m |
| 28) | SA Decachlor... | 9.073 | 8.071 | 39895212 | 151.6E6 | 10.158 | 7.668 |
| | **Target Compounds** | | | | | | |
| 10) | B gamma-Chl... | 5.944 | 5.124 | 4921330 | 18057708 | 1.028m | 0.755m# |
| 11) | B alpha-Chl... | 6.029 | 5.188 | 7357490 | 27737576 | 1.521 | 1.211m |
| 14) | MA Endrin | 6.574 | 5.793 | 1364116 | 6827957 | 0.331 | 0.314 |
| 16) | A 4,4'-DDD | 6.703 | 5.929 | 3682947 | 15945348 | 1.073m | 0.834 |
| 17) | MA 4,4'-DDT | 7.020 | 6.180 | 2388886 | 23188038 | 0.631 | 1.143 # |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:37
Operator : AR\AJ
Sample : Q2458-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

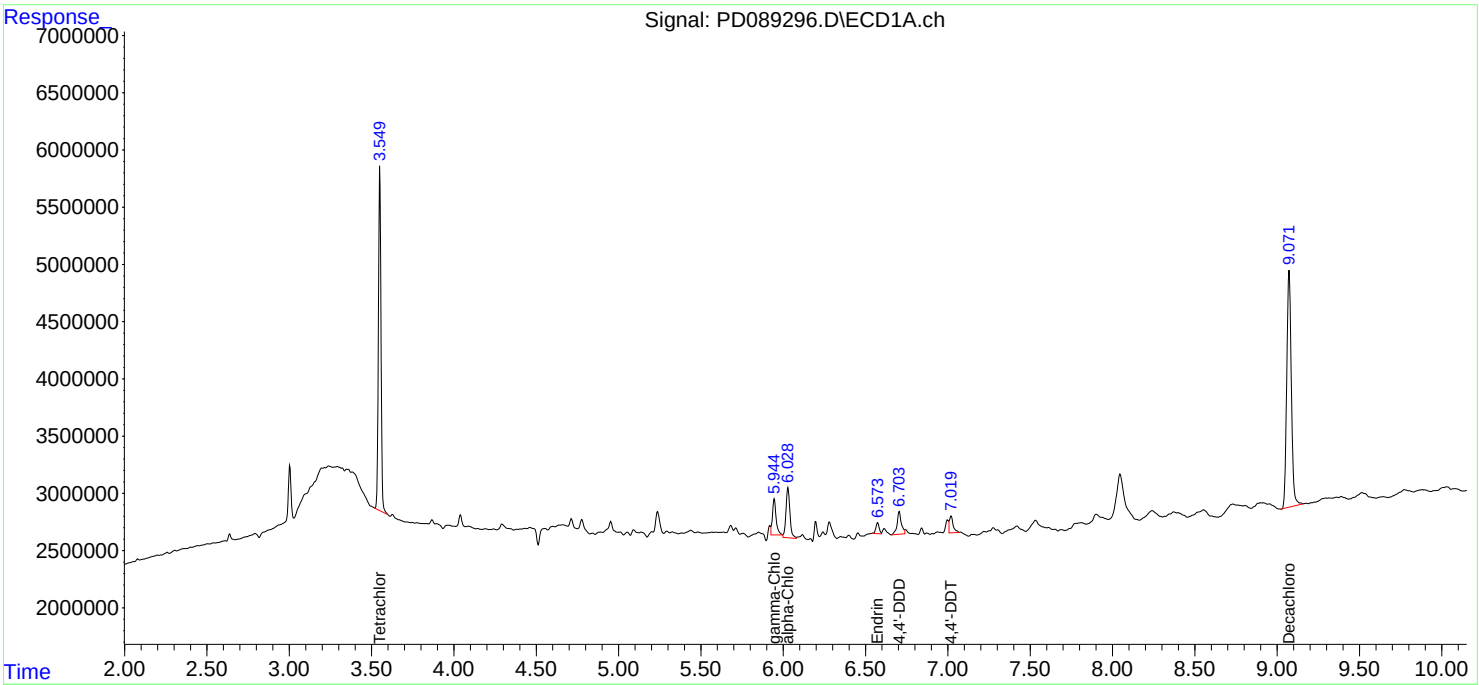
**Instrument :**
ECD_D
**ClientSampleId :**
TP-63

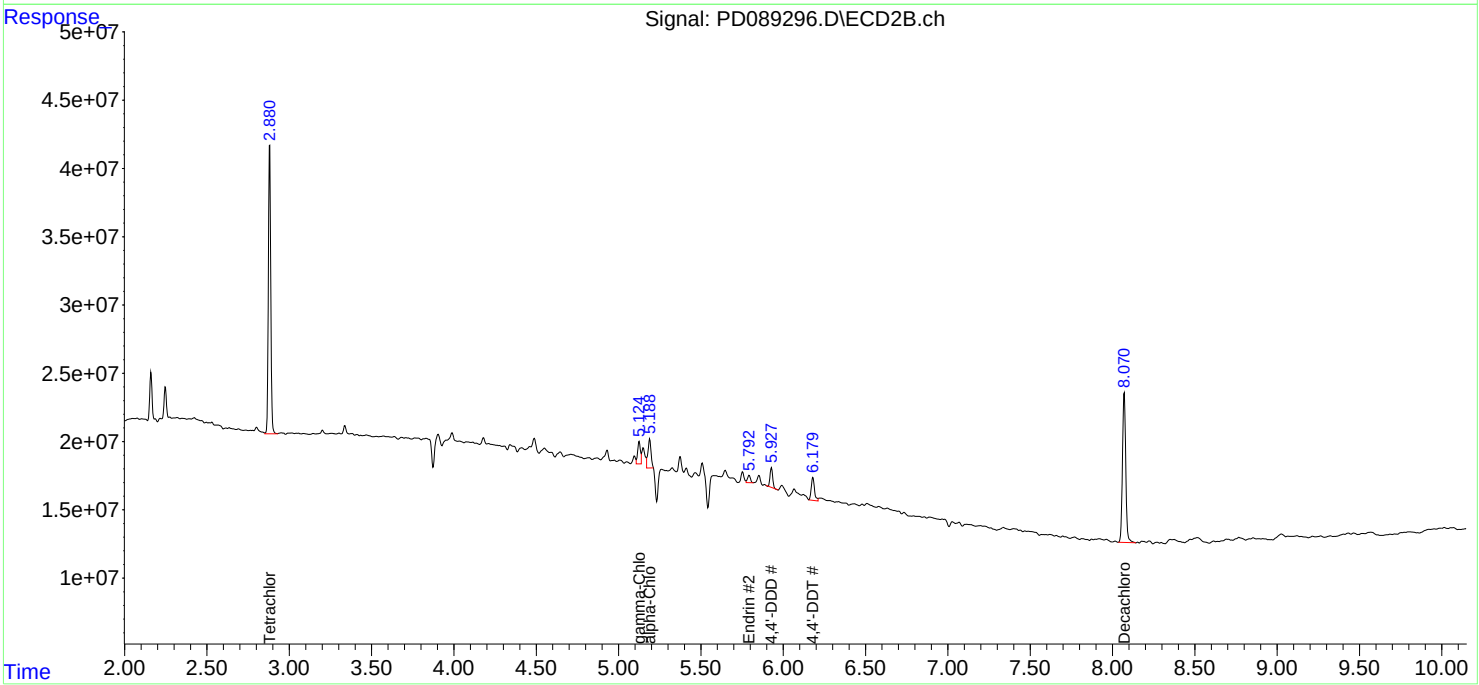
**Manual Integrations APPROVED**

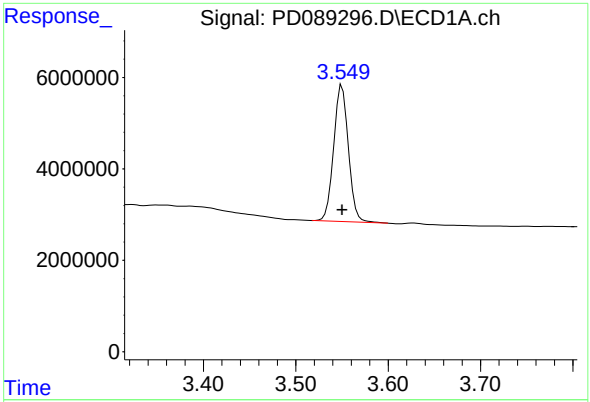
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





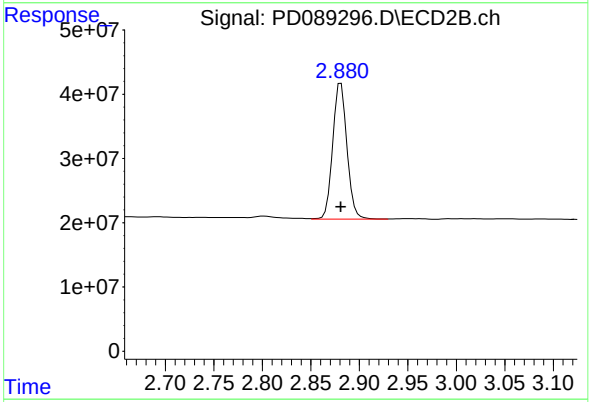

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 33016136
Conc: 11.57 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-63

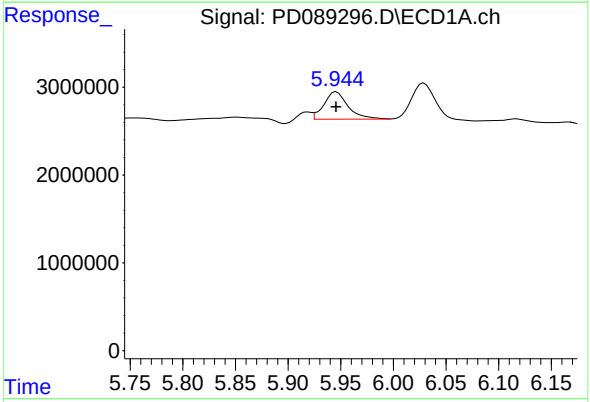
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



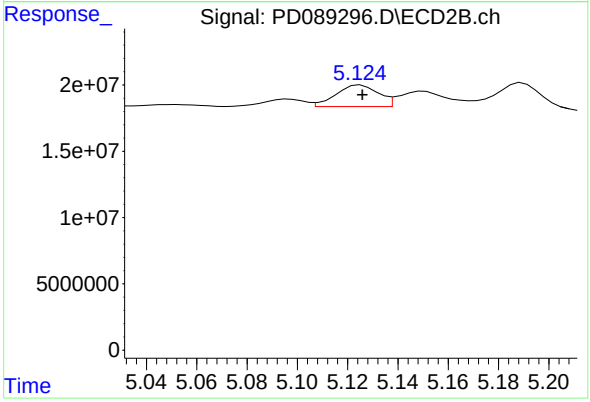

#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 215977192
Conc: 12.74 ng/ml m



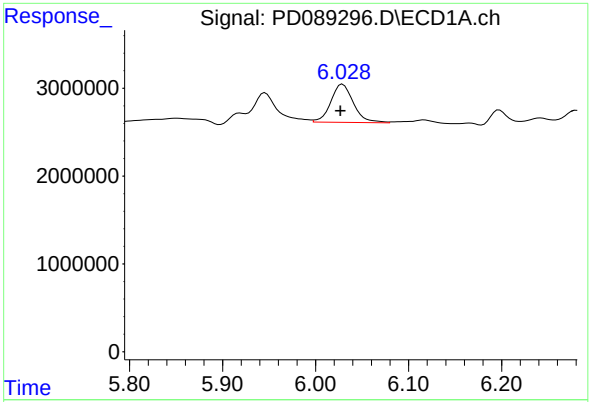

#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.001 min
Response: 4921330
Conc: 1.03 ng/ml m




#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 18057708
Conc: 0.75 ng/ml m



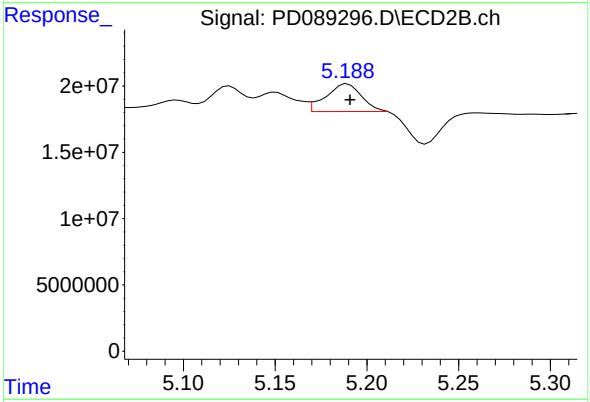

#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.002 min
Response: 7357490
Conc: 1.52 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-63

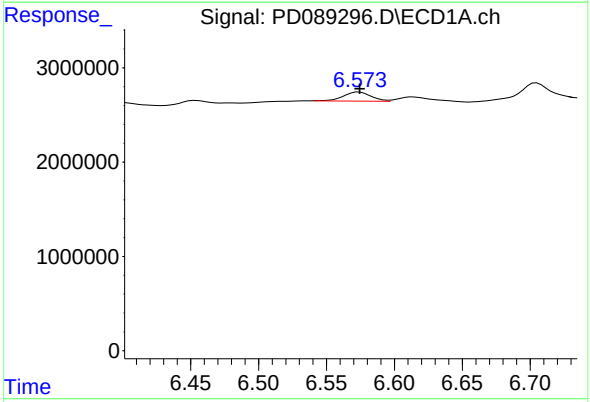
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



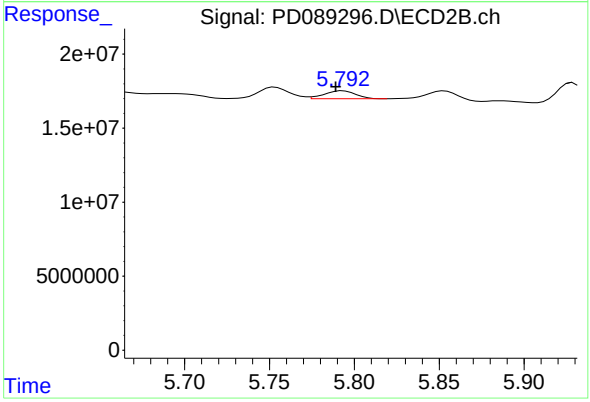

#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 27737576
Conc: 1.21 ng/ml m



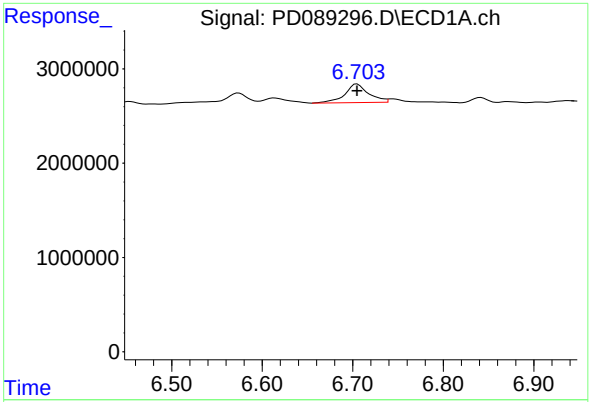

#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 1364116
Conc: 0.33 ng/ml




#14 Endrin

R.T.: 5.793 min
Delta R.T.: 0.004 min
Response: 6827957
Conc: 0.31 ng/ml



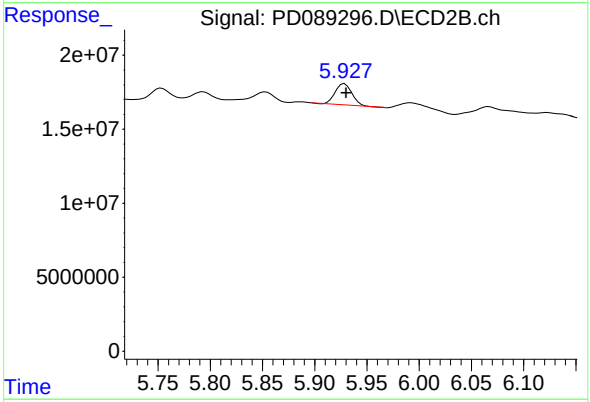

#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 3682947
Conc: 1.07 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-63

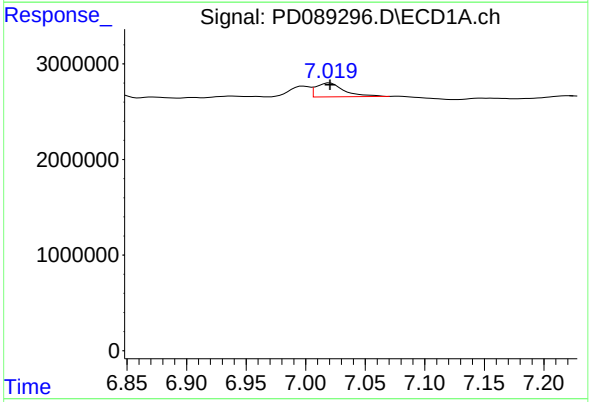
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



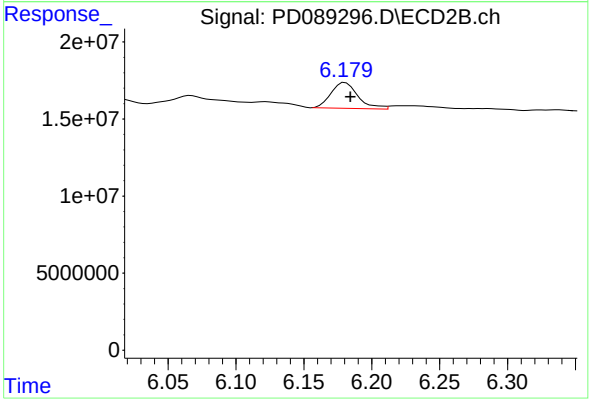

#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 15945348
Conc: 0.83 ng/ml



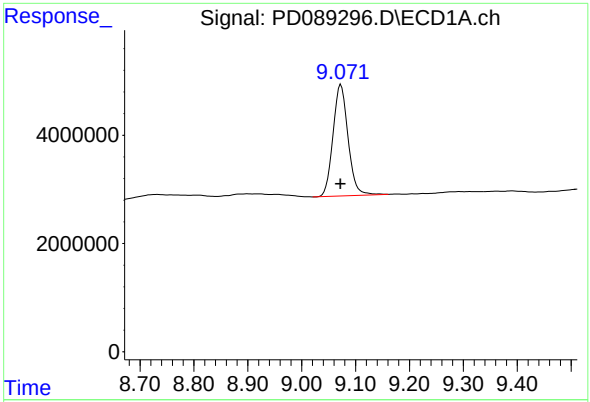

#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 2388886
Conc: 0.63 ng/ml




#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 23188038
Conc: 1.14 ng/ml



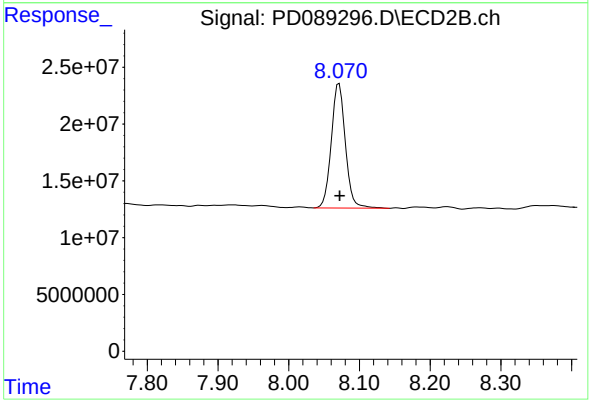

#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 39895212
Conc: 10.16 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-63

**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025




#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 151599662
Conc: 7.67 ng/ml

Raw Data: **PD089297.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-59 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-09 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 76.6 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089297.D | 1 | 07/01/25 08:30 | 07/01/25 21:51 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.17 | U | 0.17 | 2.20 | ug/kg |
| 319-85-7 | beta-BHC | 0.23 | U | 0.23 | 2.20 | ug/kg |
| 319-86-8 | delta-BHC | 0.51 | U | 0.51 | 2.20 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.18 | U | 0.18 | 2.20 | ug/kg |
| 76-44-8 | Heptachlor | 0.16 | U | 0.16 | 2.20 | ug/kg |
| 309-00-2 | Aldrin | 0.16 | U | 0.16 | 2.20 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.25 | U | 0.25 | 2.20 | ug/kg |
| 959-98-8 | Endosulfan I | 0.18 | U | 0.18 | 2.20 | ug/kg |
| 60-57-1 | Dieldrin | 0.18 | U | 0.18 | 2.20 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.18 | U | 0.18 | 2.20 | ug/kg |
| 72-20-8 | Endrin | 0.18 | U | 0.18 | 2.20 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.38 | U | 0.38 | 2.20 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.20 | U | 0.20 | 2.20 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.17 | U | 0.17 | 2.20 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.18 | U | 0.18 | 2.20 | ug/kg |
| 72-43-5 | Methoxychlor | 0.48 | U | 0.48 | 2.20 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.25 | U | 0.25 | 2.20 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.48 | U | 0.48 | 2.20 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.16 | U | 0.16 | 2.20 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.20 | U | 0.20 | 2.20 | ug/kg |
| 8001-35-2 | Toxaphene | 7.10 | U | 7.10 | 43.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 12.9 | | 20 - 144 | 65% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 19.0 | | 19 - 148 | 95% | SPK: 20 |

Raw Data: **PD089297.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-59 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-09 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 76.6 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089297.D | 1 | 07/01/25 08:30 | 07/01/25 21:51 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089297.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:51
Operator : AR\AJ
Sample : Q2458-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-59

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.879 | 50314076 | 321.4E6 | 17.635 | 18.956m |
| 28) | SA Decachlor... | 9.073 | 8.072 | 50856481 | 225.0E6 | 12.948 | 11.383 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 21:51
Operator : AR\AJ
Sample : Q2458-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

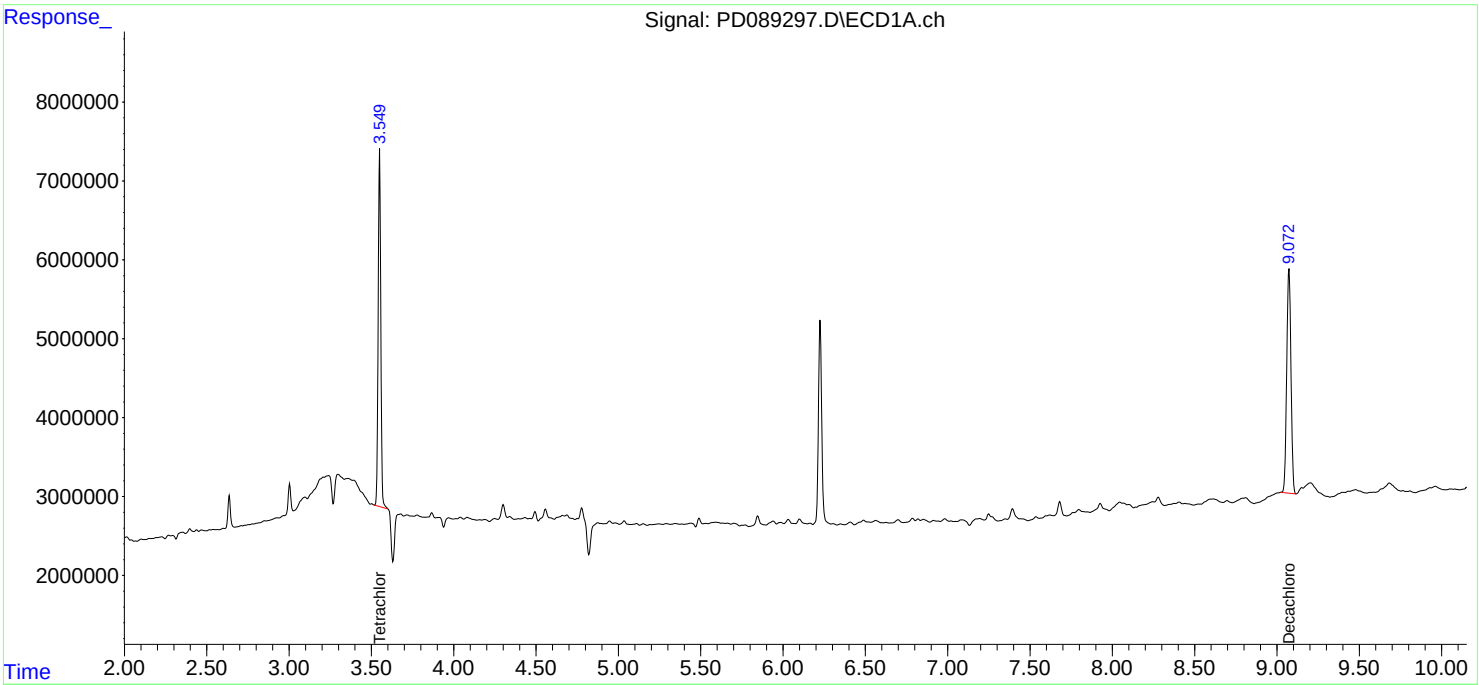
**Instrument :**
ECD_D
**ClientSampleId :**
TP-59

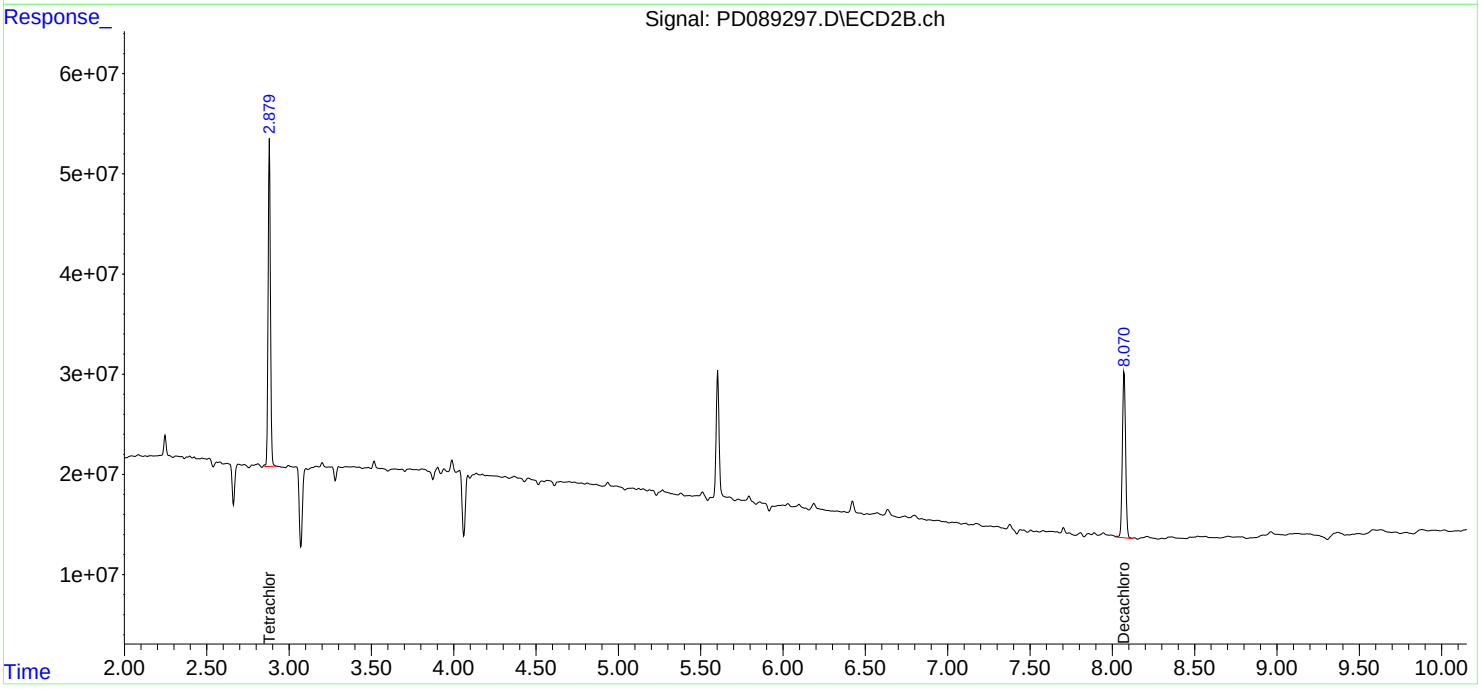
**Manual Integrations APPROVED**

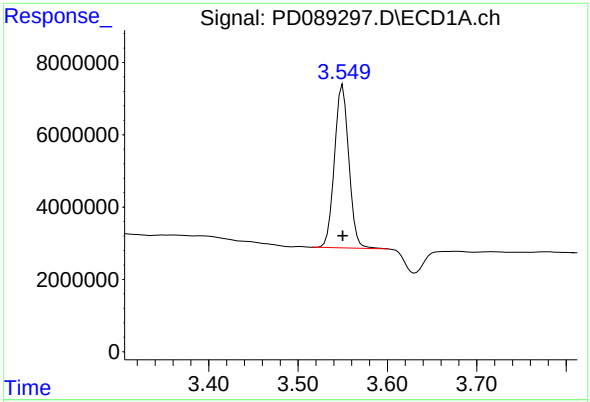
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





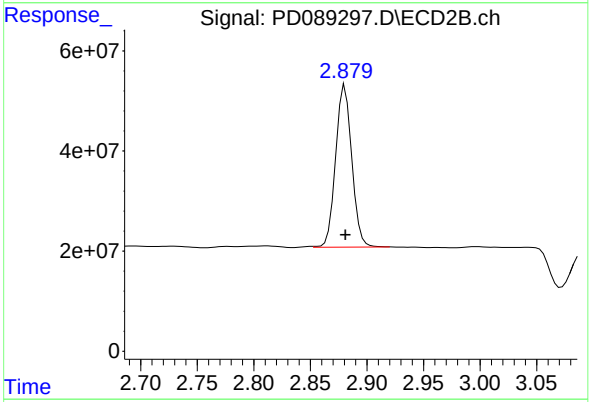

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 50314076
Conc: 17.63 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-59

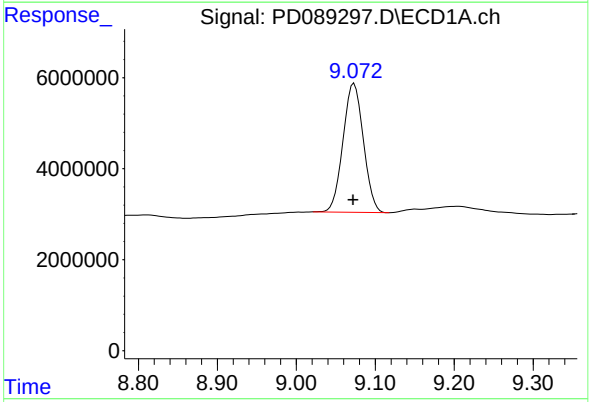
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



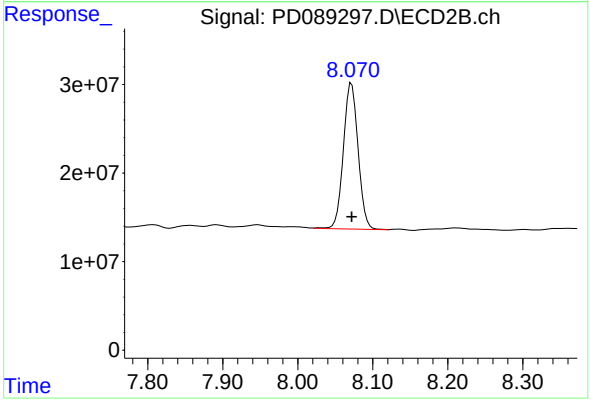

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 321361786
Conc: 18.96 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 50856481
Conc: 12.95 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 225039940
Conc: 11.38 ng/ml

Raw Data: **PD089332.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | FB-06272025 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-10 | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 980 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089332.D | 1 | 07/03/25 08:58 | 07/03/25 14:40 | PB168718 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0040 | U | 0.0040 | 0.051 | ug/L |
| 319-85-7 | beta-BHC | 0.0050 | U | 0.0050 | 0.051 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.051 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0038 | U | 0.0038 | 0.051 | ug/L |
| 76-44-8 | Heptachlor | 0.0028 | U | 0.0028 | 0.051 | ug/L |
| 309-00-2 | Aldrin | 0.0037 | U | 0.0037 | 0.051 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0098 | U | 0.0098 | 0.051 | ug/L |
| 959-98-8 | Endosulfan I | 0.0032 | U | 0.0032 | 0.051 | ug/L |
| 60-57-1 | Dieldrin | 0.0037 | U | 0.0037 | 0.051 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0038 | U | 0.0038 | 0.051 | ug/L |
| 72-20-8 | Endrin | 0.0033 | U | 0.0033 | 0.051 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0081 | U | 0.0081 | 0.051 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0072 | U | 0.0072 | 0.051 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0038 | U | 0.0038 | 0.051 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0036 | U | 0.0036 | 0.051 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.051 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0095 | U | 0.0095 | 0.051 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.051 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0036 | U | 0.0036 | 0.051 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0040 | U | 0.0040 | 0.051 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.7 | | 57 - 171 | 69% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.0 | | 61 - 148 | 105% | SPK: 20 |

Raw Data: **PD089332.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | FB-06272025 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-10 | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 980 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089332.D | 1 | 07/03/25 08:58 | 07/03/25 14:40 | PB168718 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089332.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:40
Operator : AR\AJ
Sample : Q2458-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
FB-06272025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:18:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.881 | 52768868 | 356.4E6 | 18.495 | 21.022 |
| 28) | SA Decachlor... | 9.075 | 8.072 | 51727903 | 270.9E6 | 13.170 | 13.700 |
| | Target Compounds | | | | | | |

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

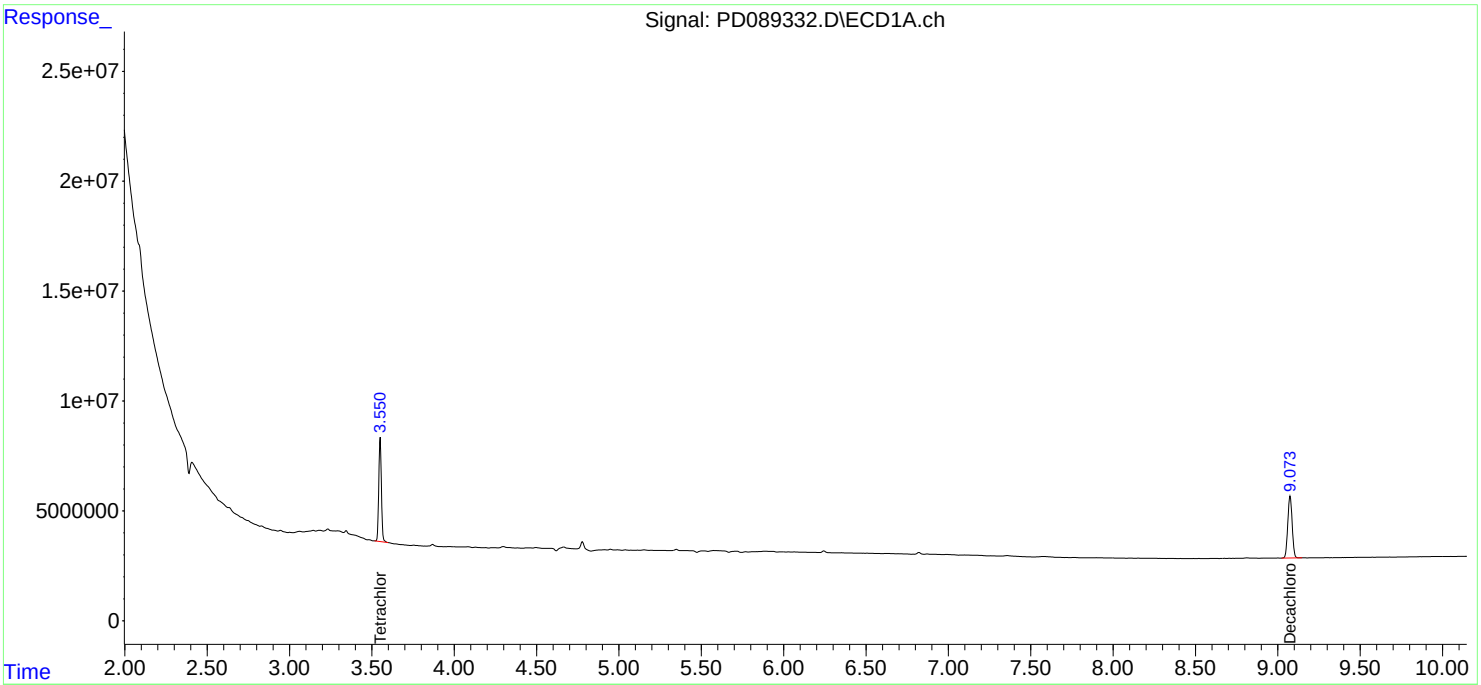
Sample Results: **PD089332.D**

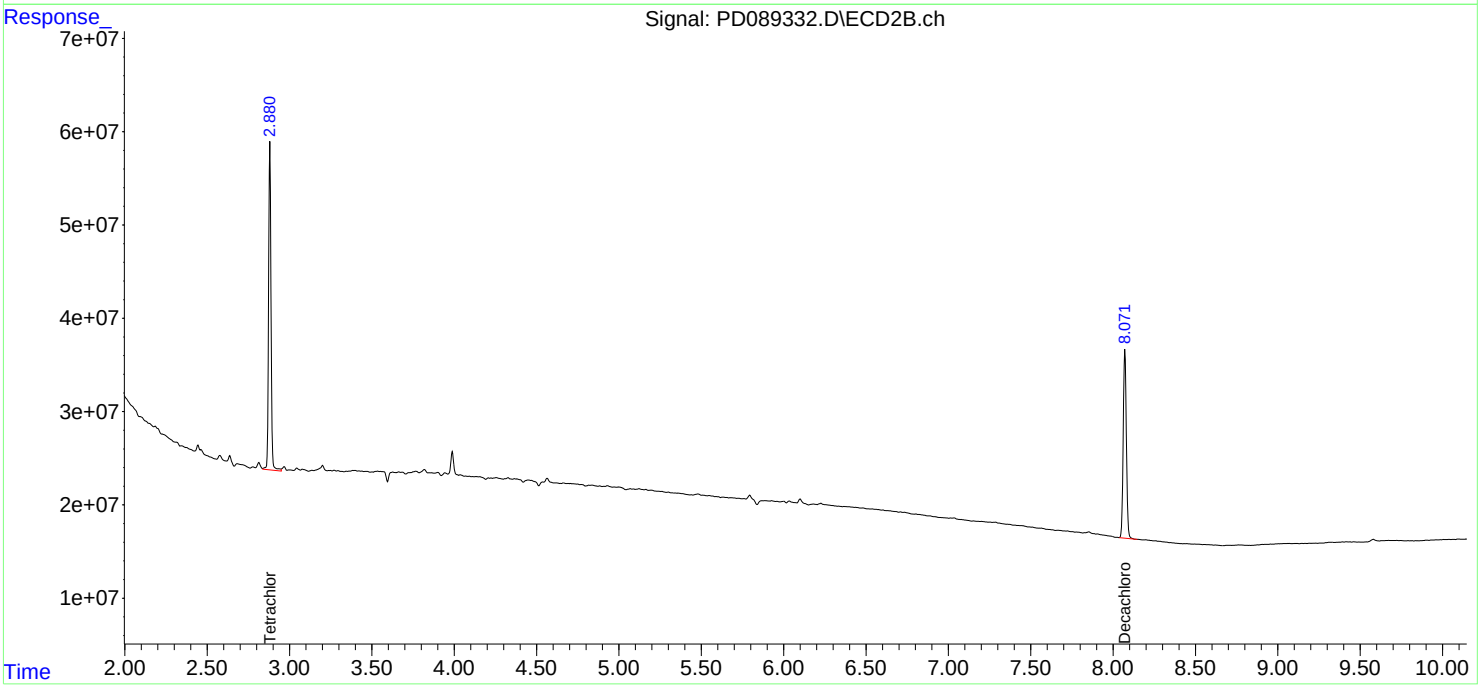
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:40
Operator : AR\AJ
Sample : Q2458-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

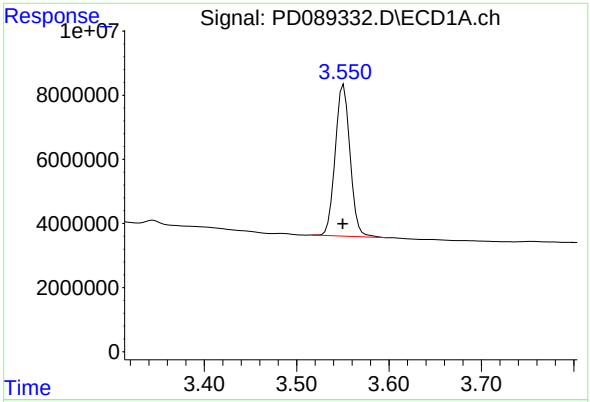
**Instrument :**
ECD_D
**ClientSampleId :**
FB-06272025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:18:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



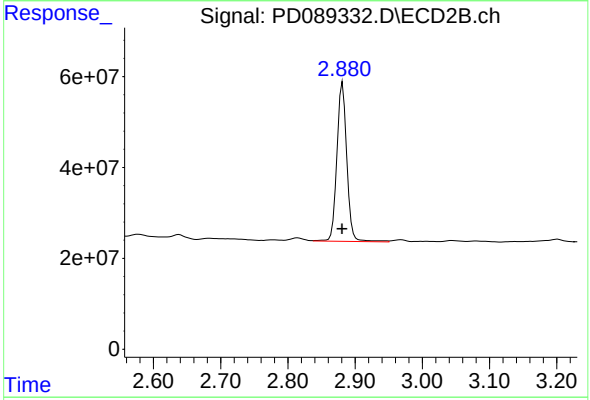






#1 Tetrachloro-m-xylene

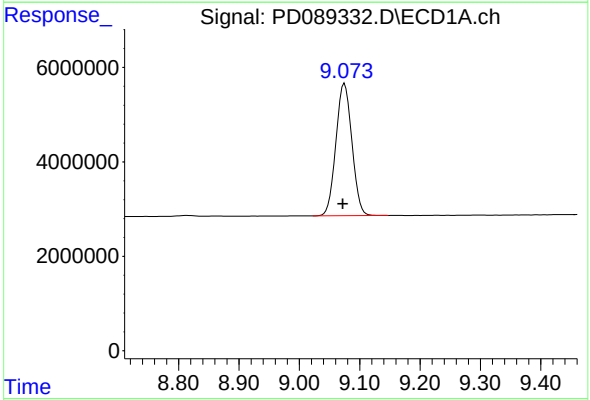
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 52768868
Conc: 18.50 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
FB-06272025



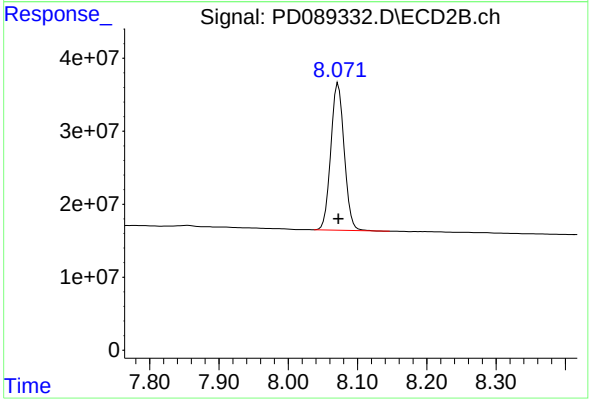

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 356385991
Conc: 21.02 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.003 min
Response: 51727903
Conc: 13.17 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 270856201
Conc: 13.70 ng/ml

# CALIBRATION SUMMARY

Raw Data

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D
**Contract:** CAMP02
**SDG NO.:** Q2458
**Calibration Date(s):** 06/17/2025 06/17/2025
**Calibration Times:** 15:52 16:47

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

**LAB FILE ID:** RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.71 | 6.70 | 6.71 | 6.70 | 6.70 | 6.70 | 6.60 | 6.80 |
| 4,4'-DDE | 6.20 | 6.20 | 6.20 | 6.20 | 6.19 | 6.20 | 6.10 | 6.30 |
| 4,4'-DDT | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 6.92 | 7.12 |
| Aldrin | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.17 | 5.37 |
| alpha-BHC | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 3.90 | 4.10 |
| alpha-Chlordane | 6.03 | 6.03 | 6.03 | 6.03 | 6.03 | 6.03 | 5.93 | 6.13 |
| beta-BHC | 4.52 | 4.52 | 4.52 | 4.52 | 4.52 | 4.51 | 4.41 | 4.61 |
| Decachlorobiphenyl | 9.07 | 9.07 | 9.07 | 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 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.25 | 6.45 |
| Endosulfan I | 6.07 | 6.07 | 6.08 | 6.07 | 6.07 | 6.07 | 5.97 | 6.17 |
| Endosulfan II | 6.79 | 6.79 | 6.79 | 6.79 | 6.79 | 6.79 | 6.69 | 6.89 |
| Endosulfan sulfate | 7.15 | 7.15 | 7.15 | 7.15 | 7.15 | 7.15 | 7.05 | 7.25 |
| Endrin | 6.57 | 6.57 | 6.58 | 6.57 | 6.57 | 6.57 | 6.47 | 6.67 |
| Endrin aldehyde | 6.92 | 6.91 | 6.92 | 6.91 | 6.91 | 6.91 | 6.81 | 7.01 |
| Endrin ketone | 7.63 | 7.63 | 7.63 | 7.63 | 7.63 | 7.63 | 7.53 | 7.73 |
| gamma-BHC (Lindane) | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.23 | 4.43 |
| gamma-Chlordane | 5.95 | 5.95 | 5.95 | 5.95 | 5.95 | 5.95 | 5.85 | 6.05 |
| Heptachlor | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.83 | 5.03 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.59 | 5.79 |
| Methoxychlor | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.39 | 7.59 |
| Tetrachloro-m-xylene | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.45 | 3.65 |

Raw Data

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D
**Contract:** CAMP02
**SDG NO.:** Q2458
**Calibration Date(s):** 06/17/2025 06/17/2025
**Calibration Times:** 15:52 16:47

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

**LAB FILE ID:** RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.83 | 6.03 |
| 4,4'-DDE | 5.38 | 5.38 | 5.38 | 5.38 | 5.38 | 5.38 | 5.28 | 5.48 |
| 4,4'-DDT | 6.18 | 6.18 | 6.18 | 6.18 | 6.18 | 6.18 | 6.08 | 6.28 |
| Aldrin | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| alpha-BHC | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.29 | 3.49 |
| alpha-Chlordane | 5.19 | 5.19 | 5.19 | 5.19 | 5.19 | 5.19 | 5.09 | 5.29 |
| beta-BHC | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 3.93 | 4.13 |
| Decachlorobiphenyl | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 7.97 | 8.17 |
| delta-BHC | 4.26 | 4.26 | 4.26 | 4.26 | 4.26 | 4.26 | 4.16 | 4.36 |
| Dieldrin | 5.51 | 5.51 | 5.51 | 5.51 | 5.51 | 5.51 | 5.41 | 5.61 |
| Endosulfan I | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 5.15 | 5.35 |
| Endosulfan II | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 5.98 | 6.18 |
| Endosulfan sulfate | 6.48 | 6.48 | 6.48 | 6.48 | 6.48 | 6.48 | 6.38 | 6.58 |
| Endrin | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 | 5.69 | 5.89 |
| Endrin aldehyde | 6.26 | 6.26 | 6.26 | 6.26 | 6.26 | 6.26 | 6.16 | 6.36 |
| Endrin ketone | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.89 | 7.09 |
| gamma-BHC (Lindane) | 3.73 | 3.73 | 3.73 | 3.73 | 3.73 | 3.73 | 3.63 | 3.83 |
| gamma-Chlordane | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | 5.03 | 5.23 |
| Heptachlor | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 3.98 | 4.18 |
| Heptachlor epoxide | 4.87 | 4.87 | 4.87 | 4.87 | 4.87 | 4.87 | 4.77 | 4.97 |
| Methoxychlor | 6.76 | 6.75 | 6.76 | 6.75 | 6.75 | 6.75 | 6.65 | 6.85 |
| Tetrachloro-m-xylene | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.78 | 2.98 |

Raw Data

Alliance TECHNICAL GROUP

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

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Instrument ID:** ECD_D **Calibration Date(s):** 06/17/2025 06/17/2025

**Calibration Times:** 15:52 16:47

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

**LAB FILE ID:** **CF 100 =** PD088993.D **CF 075 =** PD088994.D

**CF 050 =** PD088995.D **CF 025 =** PD088996.D **CF 005 =** PD088997.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 3557450000 | 3439230000 | 3414120000 | 3228670000 | 3520780000 | 3432050000 | 4 |
| 4,4'-DDE | 4564130000 | 4401240000 | 4312380000 | 4092310000 | 4435110000 | 4361030000 | 4 |
| 4,4'-DDT | 3928430000 | 3802000000 | 3763430000 | 3580670000 | 3866490000 | 3788210000 | 3 |
| Aldrin | 5504150000 | 5312640000 | 5254800000 | 4989300000 | 5504000000 | 5312980000 | 4 |
| alpha-BHC | 6295370000 | 6031790000 | 5874750000 | 5417910000 | 5525530000 | 5829070000 | 6 |
| alpha-Chlordane | 4885060000 | 4758900000 | 4734630000 | 4584390000 | 5229700000 | 4838540000 | 5 |
| beta-BHC | 2136750000 | 2100860000 | 2137680000 | 2144670000 | 2515730000 | 2207140000 | 8 |
| Decachlorobiphenyl | 3598890000 | 3628150000 | 3773200000 | 3897960000 | 4739940000 | 3927630000 | 12 |
| delta-BHC | 5546280000 | 5292010000 | 5182350000 | 4751190000 | 4892690000 | 5132900000 | 6 |
| Dieldrin | 4933650000 | 4797080000 | 4750270000 | 4527510000 | 4978810000 | 4797470000 | 4 |
| Endosulfan I | 4511200000 | 4405770000 | 4412600000 | 4289200000 | 4918470000 | 4507450000 | 5 |
| Endosulfan II | 3829260000 | 3982180000 | 4002080000 | 3816490000 | 4553000000 | 4036600000 | 7 |
| Endosulfan sulfate | 3786900000 | 3718160000 | 3741600000 | 3667440000 | 4271990000 | 3837220000 | 6 |
| Endrin | 4238140000 | 4109540000 | 4096430000 | 3878120000 | 4305700000 | 4125590000 | 4 |
| Endrin aldehyde | 2964260000 | 2935670000 | 2964230000 | 2966830000 | 3488720000 | 3063940000 | 8 |
| Endrin ketone | 4050100000 | 3970810000 | 4004900000 | 3895960000 | 4443590000 | 4073070000 | 5 |
| gamma-BHC (Lindane) | 5900830000 | 5686510000 | 5566590000 | 5221690000 | 5532800000 | 5581680000 | 4 |
| gamma-Chlordane | 4869330000 | 4801300000 | 4716110000 | 4508810000 | 5045020000 | 4788110000 | 4 |
| Heptachlor | 5621840000 | 5429540000 | 5358570000 | 5116310000 | 5733550000 | 5451960000 | 4 |
| Heptachlor epoxide | 4794850000 | 4673610000 | 4749650000 | 4554690000 | 5346870000 | 4823940000 | 6 |
| Methoxychlor | 1926110000 | 1918890000 | 1971480000 | 1982080000 | 2304580000 | 2020630000 | 8 |
| Tetrachloro-m-xylene | 2812300000 | 2762040000 | 2767280000 | 2751820000 | 3172230000 | 2853130000 | 6 |

Raw Data

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

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D

**Contract:** CAMP02
**SDG NO.:** Q2458
**Calibration Date(s):** 06/17/2025 06/17/2025
**Calibration Times:** 15:52 16:47

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

**LAB FILE ID:** CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 17754100000 | 17899700000 | 18191100000 | 18805800000 | 22996200000 | 19129400000 | 11 |
| 4,4'-DDE | 21343500000 | 21440200000 | 21823600000 | 22564100000 | 27409000000 | 22916100000 | 11 |
| 4,4'-DDT | 19391000000 | 19327800000 | 19594100000 | 20005200000 | 23078500000 | 20279300000 | 8 |
| Aldrin | 22719200000 | 22747700000 | 23159400000 | 23852800000 | 28607200000 | 24217300000 | 10 |
| alpha-BHC | 25649000000 | 25438700000 | 25849200000 | 26153100000 | 30895500000 | 26797100000 | 9 |
| alpha-Chlordane | 21191300000 | 21145300000 | 21570900000 | 22517200000 | 28059300000 | 22896800000 | 13 |
| beta-BHC | 9903630000 | 9918550000 | 10198200000 | 10624100000 | 13086800000 | 10746200000 | 12 |
| Decachlorobiphenyl | 17946500000 | 17939700000 | 18428600000 | 19427500000 | 25107500000 | 19770000000 | 15 |
| delta-BHC | 23614400000 | 23533700000 | 23918700000 | 24298300000 | 29003000000 | 24873600000 | 9 |
| Dieldrin | 21438700000 | 21622000000 | 22120600000 | 22941800000 | 27919200000 | 23208500000 | 12 |
| Endosulfan I | 19170300000 | 19201000000 | 19315500000 | 20752900000 | 25772600000 | 20842500000 | 14 |
| Endosulfan II | 18473200000 | 18573800000 | 19087100000 | 20002300000 | 24846800000 | 20196600000 | 13 |
| Endosulfan sulfate | 17925600000 | 18043500000 | 18492500000 | 19409200000 | 24234500000 | 19621100000 | 13 |
| Endrin | 20535400000 | 19906600000 | 20644700000 | 21276500000 | 26206500000 | 21713900000 | 12 |
| Endrin aldehyde | 13773600000 | 13920200000 | 14379400000 | 15195500000 | 19287900000 | 15311300000 | 15 |
| Endrin ketone | 19587400000 | 19824900000 | 20446500000 | 21535300000 | 26614600000 | 21601700000 | 13 |
| gamma-BHC (Lindane) | 23622800000 | 23442000000 | 23749900000 | 24221500000 | 28748400000 | 24756900000 | 9 |
| gamma-Chlordane | 22229100000 | 22022500000 | 22519500000 | 23493700000 | 29348800000 | 23922700000 | 13 |
| Heptachlor | 23291600000 | 23365200000 | 23922200000 | 24716000000 | 29896800000 | 25038400000 | 11 |
| Heptachlor epoxide | 20080600000 | 20251900000 | 20827300000 | 21695300000 | 26635200000 | 21898100000 | 12 |
| Methoxychlor | 9712450000 | 9897880000 | 10259100000 | 10830900000 | 13140100000 | 10768100000 | 13 |
| Tetrachloro-m-xylene | 15879800000 | 15866400000 | 15978000000 | 16730900000 | 20310700000 | 16953200000 | 11 |

Raw Data

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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** CAMP02

**Lab Code:** CHEM **Case No.:** Q2458 **SAS No.:** Q2458 **SDG NO.:** Q2458

**Instrument ID:** ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

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

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Toxaphene | 500 | 1 | 6.24 | 6.14 | 6.34 | 33601800 |
| | | 2 | 6.44 | 6.34 | 6.54 | 47528600 |
| | | 3 | 7.15 | 7.05 | 7.25 | 87292700 |
| | | 4 | 7.56 | 7.46 | 7.66 | 111357000 |
| | | 5 | 7.93 | 7.83 | 8.03 | 63112600 |

Raw Data

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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** CAMP02

**Lab Code:** CHEM **Case No.:** Q2458 **SAS No.:** Q2458 **SDG NO.:** Q2458

**Instrument ID:** ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

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

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Toxaphene | 500 | 1 | 5.47 | 5.37 | 5.57 | 158160000 |
| | | 2 | 5.65 | 5.55 | 5.75 | 108820000 |
| | | 3 | 6.76 | 6.66 | 6.86 | 511856000 |
| | | 4 | 7.20 | 7.10 | 7.30 | 350145000 |
| | | 5 | 7.33 | 7.23 | 7.43 | 253920000 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
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: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 281.2E6 | 1588.0E6 | 101.627 | 99.386 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 359.9E6 | 1794.6E6 | 95.380 | 97.384 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 629.5E6 | 2564.9E6 | 107.160 | 99.226 |
| 3) | MA gamma-BHC... | 4.330 | 3.729 | 590.1E6 | 2362.3E6 | 106.005 | 99.465 |
| 4) | MA Heptachlor | 4.929 | 4.083 | 562.2E6 | 2329.2E6 | 104.913 | 97.364 |
| 5) | MB Aldrin | 5.271 | 4.369 | 550.4E6 | 2271.9E6 | 104.745 | 98.099 |
| 6) | B beta-BHC | 4.515 | 4.025 | 213.7E6 | 990.4E6 | 99.957 | 97.111 |
| 7) | B delta-BHC | 4.764 | 4.262 | 554.6E6 | 2361.4E6 | 107.022 | 98.728 |
| 8) | B Heptachlo... | 5.691 | 4.873 | 479.5E6 | 2008.1E6 | 100.952 | 96.415 |
| 9) | A Endosulfan I | 6.074 | 5.247 | 451.1E6 | 1917.0E6 | 102.235 | 99.248 |
| 10) | B gamma-Chl... | 5.946 | 5.126 | 486.9E6 | 2222.9E6 | 103.249 | 98.710 |
| 11) | B alpha-Chl... | 6.027 | 5.191 | 488.5E6 | 2119.1E6 | 103.177 | 98.241 |
| 12) | B 4,4'-DDE | 6.195 | 5.375 | 456.4E6 | 2134.3E6 | 105.838 | 97.800 |
| 13) | MA Dieldrin | 6.347 | 5.513 | 493.4E6 | 2143.9E6 | 103.861 | 96.917 |
| 14) | MA Endrin | 6.574 | 5.789 | 423.8E6 | 2053.5E6 | 103.459 | 99.471 |
| 15) | B Endosulfa... | 6.786 | 6.081 | 382.9E6 | 1847.3E6 | 95.682 | 96.784 |
| 16) | A 4,4'-DDD | 6.705 | 5.930 | 355.7E6 | 1775.4E6 | 104.198 | 97.597 |
| 17) | MA 4,4'-DDT | 7.020 | 6.184 | 392.8E6 | 1939.1E6 | 104.384 | 98.963 |
| 18) | B Endrin al... | 6.915 | 6.259 | 296.4E6 | 1377.4E6 | 100.001 | 95.787 |
| 19) | B Endosulfa... | 7.148 | 6.482 | 378.7E6 | 1792.6E6 | 101.211 | 96.935 |
| 20) | A Methoxychlor | 7.493 | 6.755 | 192.6E6 | 971.2E6 | 97.699 | 94.672 |
| 21) | B Endrin ke... | 7.629 | 6.992 | 405.0E6 | 1958.7E6 | 101.129 | 95.798 |
| 22) | Mirex | 8.113 | 7.186 | 280.1E6 | 1495.3E6 | 96.467 | 95.966 |

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

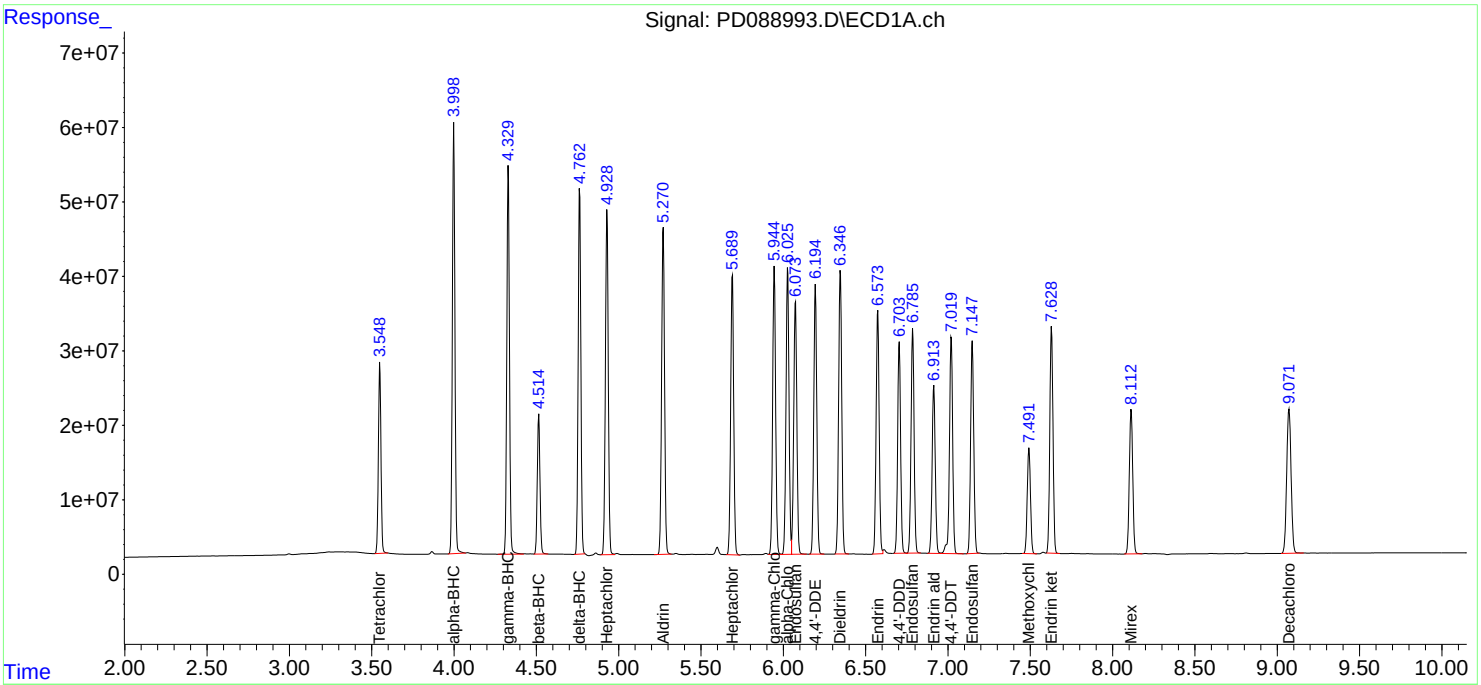
ICAL Form

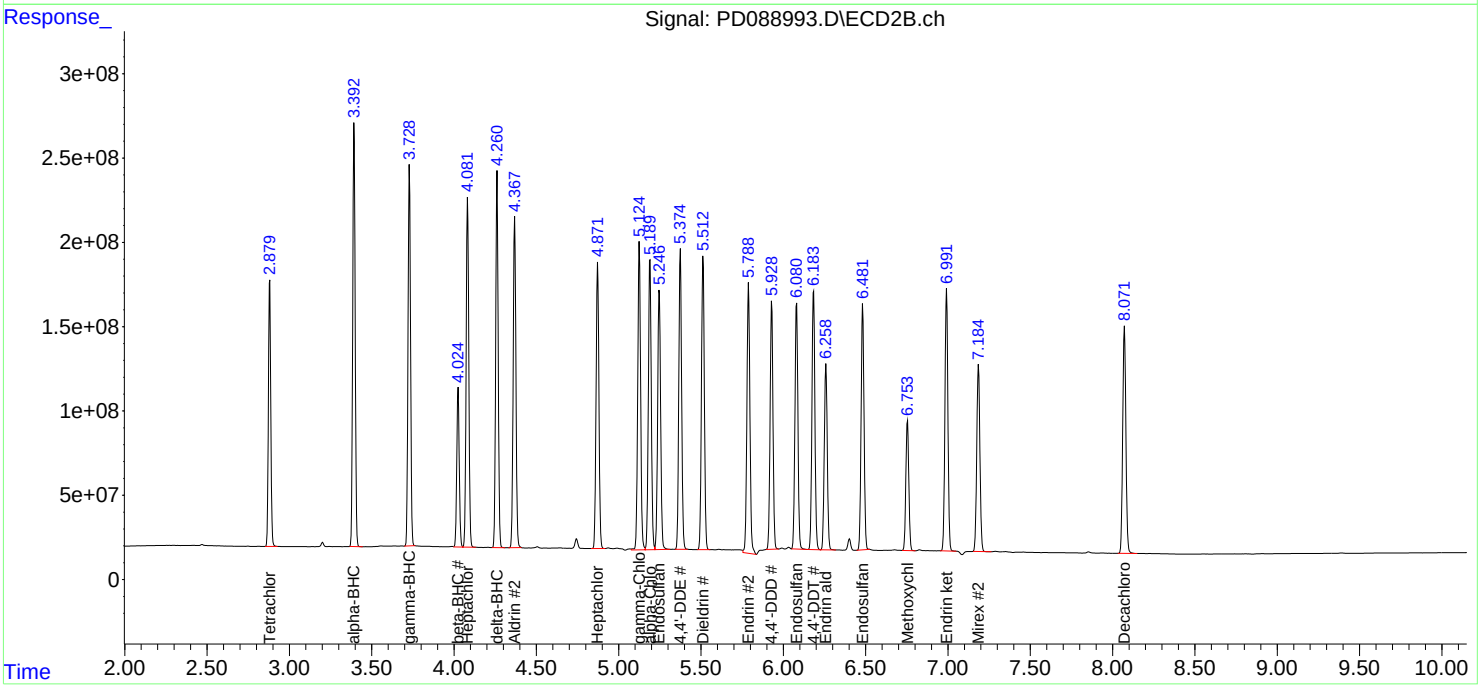
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
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: Jun 18 05:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.549 | 2.880 | 207.2E6 | 1190.0E6 | 74.858 | 74.476 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 272.1E6 | 1345.5E6 | 72.117 | 73.010 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 452.4E6 | 1907.9E6 | 77.005 | 73.809 |
| 3) | MA gamma-BHC... | 4.330 | 3.729 | 426.5E6 | 1758.1E6 | 76.616 | 74.028 |
| 4) | MA Heptachlor | 4.929 | 4.082 | 407.2E6 | 1752.4E6 | 75.993 | 73.254 |
| 5) | MB Aldrin | 5.271 | 4.369 | 398.4E6 | 1706.1E6 | 75.826 | 73.667 |
| 6) | B beta-BHC | 4.515 | 4.025 | 157.6E6 | 743.9E6 | 73.708 | 72.943 |
| 7) | B delta-BHC | 4.764 | 4.262 | 396.9E6 | 1765.0E6 | 76.587 | 73.793 |
| 8) | B Heptachlo... | 5.690 | 4.872 | 350.5E6 | 1518.9E6 | 73.799 | 72.928 |
| 9) | A Endosulfan I | 6.074 | 5.247 | 330.4E6 | 1440.1E6 | 74.884 | 74.556 |
| 10) | B gamma-Chl... | 5.945 | 5.125 | 360.1E6 | 1651.7E6 | 76.355 | 73.345 |
| 11) | B alpha-Chl... | 6.026 | 5.190 | 356.9E6 | 1585.9E6 | 75.384 | 73.520 |
| 12) | B 4,4'-DDE | 6.195 | 5.375 | 330.1E6 | 1608.0E6 | 76.545 | 73.682 |
| 13) | MA Dieldrin | 6.346 | 5.513 | 359.8E6 | 1621.7E6 | 75.739 | 73.309 |
| 14) | MA Endrin | 6.574 | 5.789 | 308.2E6 | 1493.0E6 | 75.240 | 72.319 |
| 15) | B Endosulfa... | 6.785 | 6.080 | 298.7E6 | 1393.0E6 | 74.627 | 72.983 |
| 16) | A 4,4'-DDD | 6.704 | 5.929 | 257.9E6 | 1342.5E6 | 75.552 | 73.799 |
| 17) | MA 4,4'-DDT | 7.020 | 6.183 | 285.1E6 | 1449.6E6 | 75.769 | 73.981 |
| 18) | B Endrin al... | 6.914 | 6.259 | 220.2E6 | 1044.0E6 | 74.277 | 72.605 |
| 19) | B Endosulfa... | 7.149 | 6.482 | 278.9E6 | 1353.3E6 | 74.530 | 73.179 |
| 20) | A Methoxychlor | 7.493 | 6.754 | 143.9E6 | 742.3E6 | 73.000 | 72.360 |
| 21) | B Endrin ke... | 7.629 | 6.991 | 297.8E6 | 1486.9E6 | 74.361 | 72.720 |
| 22) | Mirex | 8.113 | 7.185 | 210.7E6 | 1130.6E6 | 72.582 | 72.559 |

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

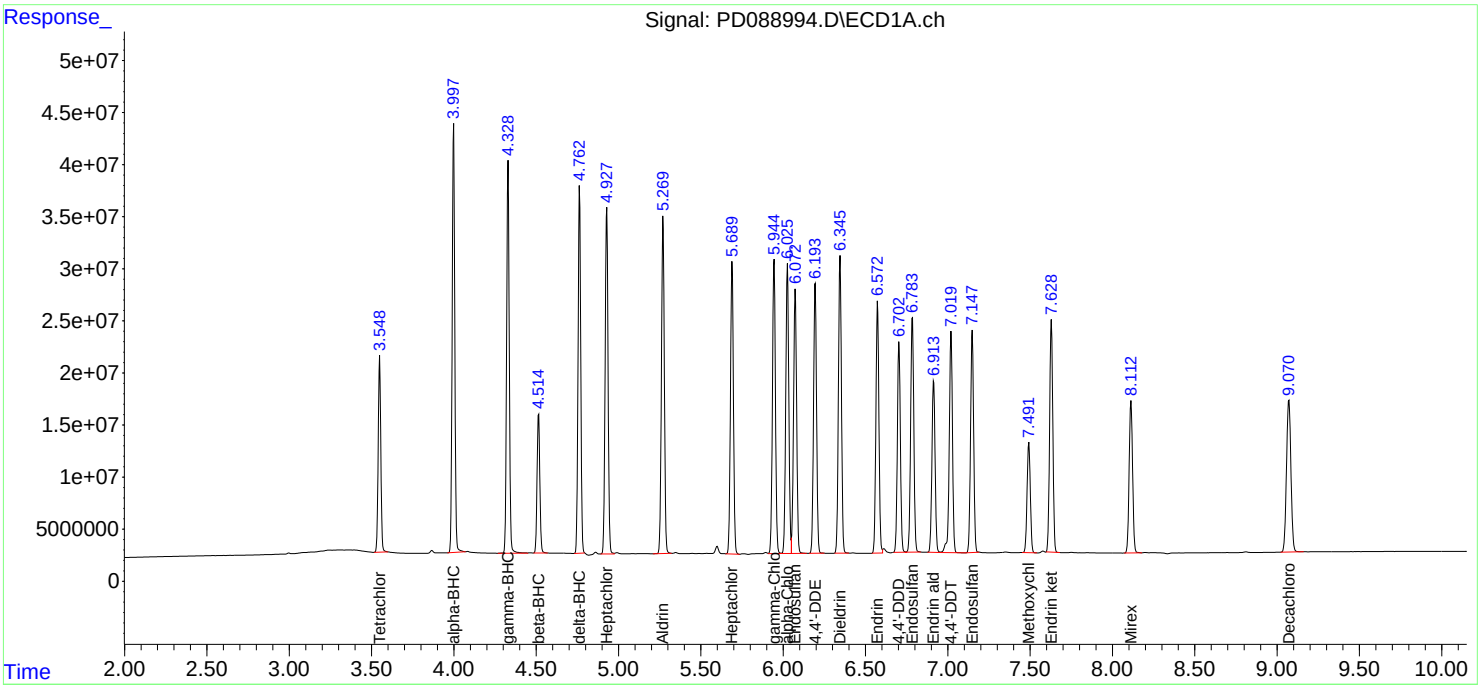
ICAL Form

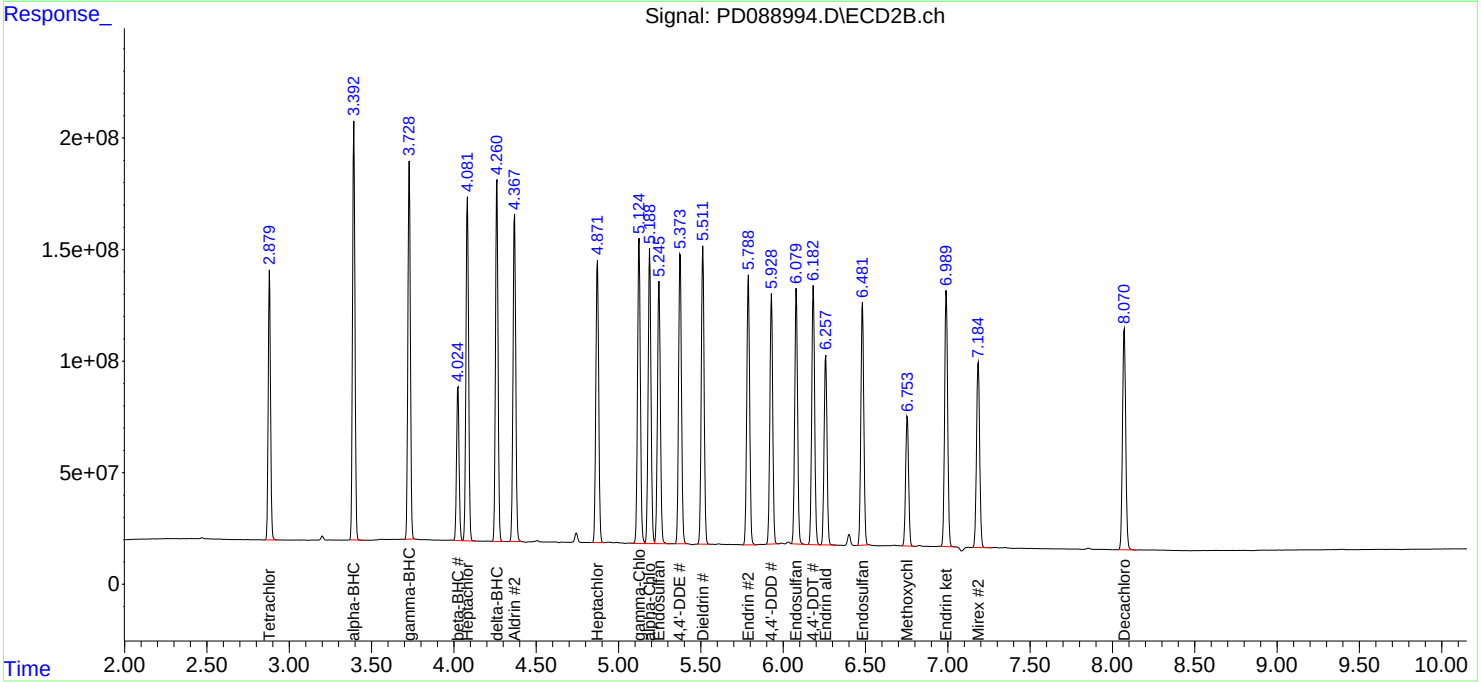
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
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: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.880 | 138.4E6 | 798.9E6 | 50.000 | 50.000 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 188.7E6 | 921.4E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 293.7E6 | 1292.5E6 | 50.000 | 50.000 |
| 3) | MA gamma-BHC... | 4.330 | 3.730 | 278.3E6 | 1187.5E6 | 50.000 | 50.000 |
| 4) | MA Heptachlor | 4.929 | 4.083 | 267.9E6 | 1196.1E6 | 50.000 | 50.000 |
| 5) | MB Aldrin | 5.271 | 4.369 | 262.7E6 | 1158.0E6 | 50.000 | 50.000 |
| 6) | B beta-BHC | 4.515 | 4.026 | 106.9E6 | 509.9E6 | 50.000 | 50.000 |
| 7) | B delta-BHC | 4.764 | 4.262 | 259.1E6 | 1195.9E6 | 50.000 | 50.000 |
| 8) | B Heptachlo... | 5.691 | 4.873 | 237.5E6 | 1041.4E6 | 50.000 | 50.000 |
| 9) | A Endosulfan I | 6.075 | 5.247 | 220.6E6 | 965.8E6 | 50.000 | 50.000 |
| 10) | B gamma-Chl... | 5.946 | 5.126 | 235.8E6 | 1126.0E6 | 50.000 | 50.000 |
| 11) | B alpha-Chl... | 6.027 | 5.191 | 236.7E6 | 1078.5E6 | 50.000 | 50.000 |
| 12) | B 4,4'-DDE | 6.196 | 5.375 | 215.6E6 | 1091.2E6 | 50.000 | 50.000 |
| 13) | MA Dieldrin | 6.347 | 5.513 | 237.5E6 | 1106.0E6 | 50.000 | 50.000 |
| 14) | MA Endrin | 6.575 | 5.789 | 204.8E6 | 1032.2E6 | 50.000 | 50.000 |
| 15) | B Endosulfa... | 6.786 | 6.081 | 200.1E6 | 954.4E6 | 50.000 | 50.000 |
| 16) | A 4,4'-DDD | 6.705 | 5.930 | 170.7E6 | 909.6E6 | 50.000 | 50.000 |
| 17) | MA 4,4'-DDT | 7.021 | 6.184 | 188.2E6 | 979.7E6 | 50.000 | 50.000 |
| 18) | B Endrin al... | 6.915 | 6.259 | 148.2E6 | 719.0E6 | 50.000 | 50.000 |
| 19) | B Endosulfa... | 7.149 | 6.483 | 187.1E6 | 924.6E6 | 50.000 | 50.000 |
| 20) | A Methoxychlor | 7.493 | 6.755 | 98574001 | 513.0E6 | 50.000 | 50.000 |
| 21) | B Endrin ke... | 7.630 | 6.992 | 200.2E6 | 1022.3E6 | 50.000 | 50.000 |
| 22) | Mirex | 8.114 | 7.186 | 145.2E6 | 779.1E6 | 50.000 | 50.000 |

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

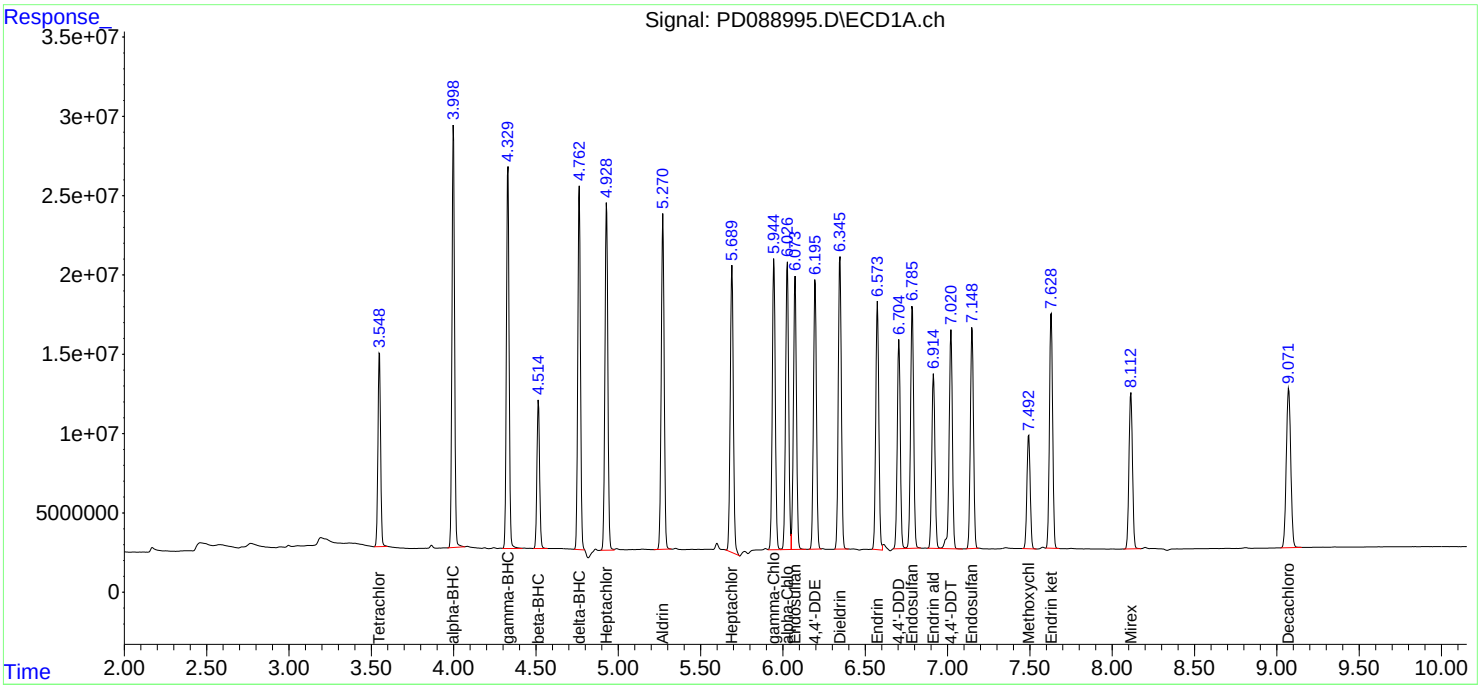
ICAL Form

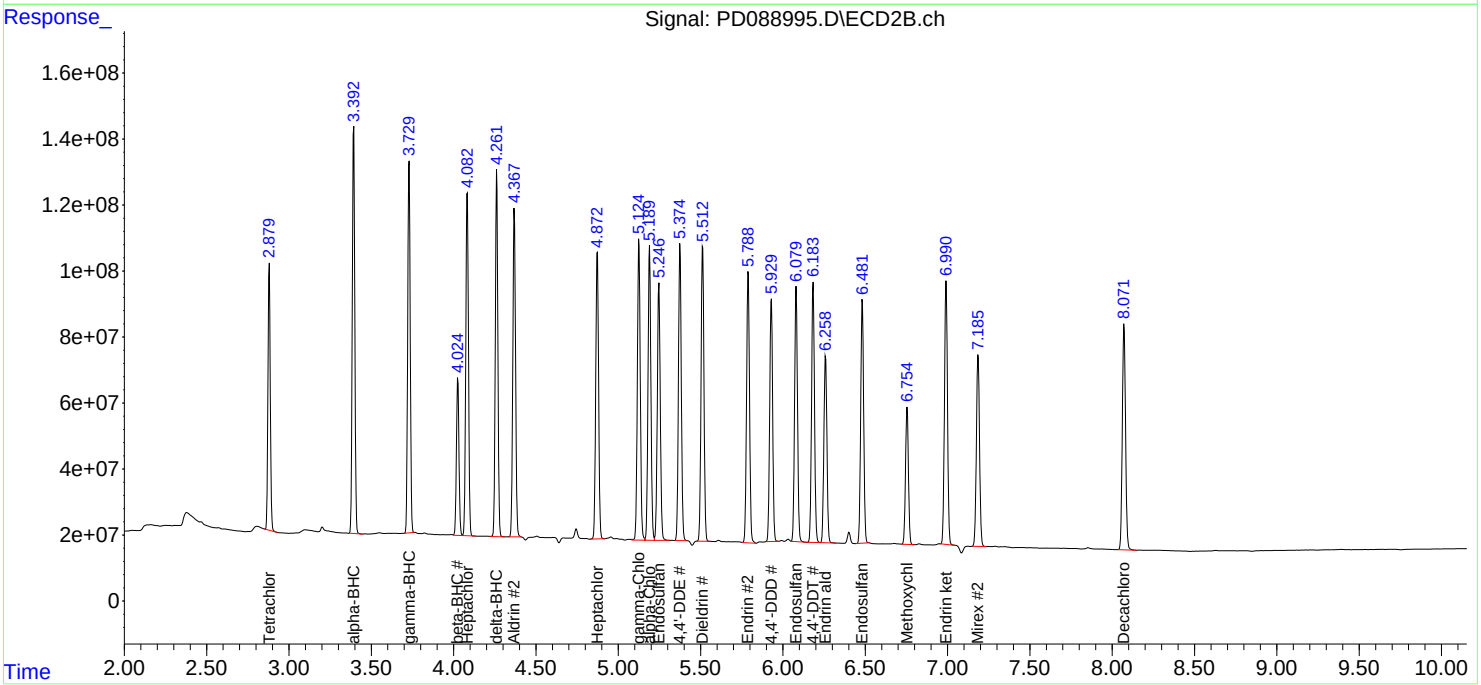
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC025

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.549 | 2.881 | 68795424 | 418.3E6 | 24.860 | 26.178 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 97448897 | 485.7E6 | 25.827 | 26.355 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 135.4E6 | 653.8E6 | 23.056 | 25.294 |
| 3) | MA gamma-BHC... | 4.330 | 3.729 | 130.5E6 | 605.5E6 | 23.451 | 25.496 |
| 4) | MA Heptachlor | 4.929 | 4.083 | 127.9E6 | 617.9E6 | 23.870 | 25.830 |
| 5) | MB Aldrin | 5.271 | 4.368 | 124.7E6 | 596.3E6 | 23.737 | 25.748 |
| 6) | B beta-BHC | 4.515 | 4.025 | 53616740 | 265.6E6 | 25.082 | 26.044 |
| 7) | B delta-BHC | 4.763 | 4.261 | 118.8E6 | 607.5E6 | 22.920 | 25.397 |
| 8) | B Heptachlo... | 5.690 | 4.872 | 113.9E6 | 542.4E6 | 23.974 | 26.042 |
| 9) | A Endosulfan I | 6.074 | 5.247 | 107.2E6 | 518.8E6 | 24.301 | 26.860 |
| 10) | B gamma-Chl... | 5.945 | 5.125 | 112.7E6 | 587.3E6 | 23.901 | 26.082 |
| 11) | B alpha-Chl... | 6.026 | 5.190 | 114.6E6 | 562.9E6 | 24.207 | 26.097 |
| 12) | B 4,4'-DDE | 6.195 | 5.375 | 102.3E6 | 564.1E6 | 23.724 | 25.848 |
| 13) | MA Dieldrin | 6.346 | 5.513 | 113.2E6 | 573.5E6 | 23.828 | 25.928 |
| 14) | MA Endrin | 6.574 | 5.787 | 96953033 | 531.9E6 | 23.668 | 25.765m |
| 15) | B Endosulfa... | 6.786 | 6.080 | 95412213 | 500.1E6 | 23.841 | 26.199 |
| 16) | A 4,4'-DDD | 6.704 | 5.929 | 80716755 | 470.1E6 | 23.642 | 25.845 |
| 17) | MA 4,4'-DDT | 7.020 | 6.183 | 89516720 | 500.1E6 | 23.786 | 25.525 |
| 18) | B Endrin al... | 6.914 | 6.258 | 74170726 | 379.9E6 | 25.022 | 26.419 |
| 19) | B Endosulfa... | 7.148 | 6.481 | 91685883 | 485.2E6 | 24.504 | 26.239 |
| 20) | A Methoxychlor | 7.492 | 6.753 | 49551931 | 270.8E6 | 25.134 | 26.394 |
| 21) | B Endrin ke... | 7.629 | 6.990 | 97399015 | 538.4E6 | 24.320 | 26.331 |
| 22) | Mirex | 8.113 | 7.184 | 74764205 | 414.2E6 | 25.753 | 26.583 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

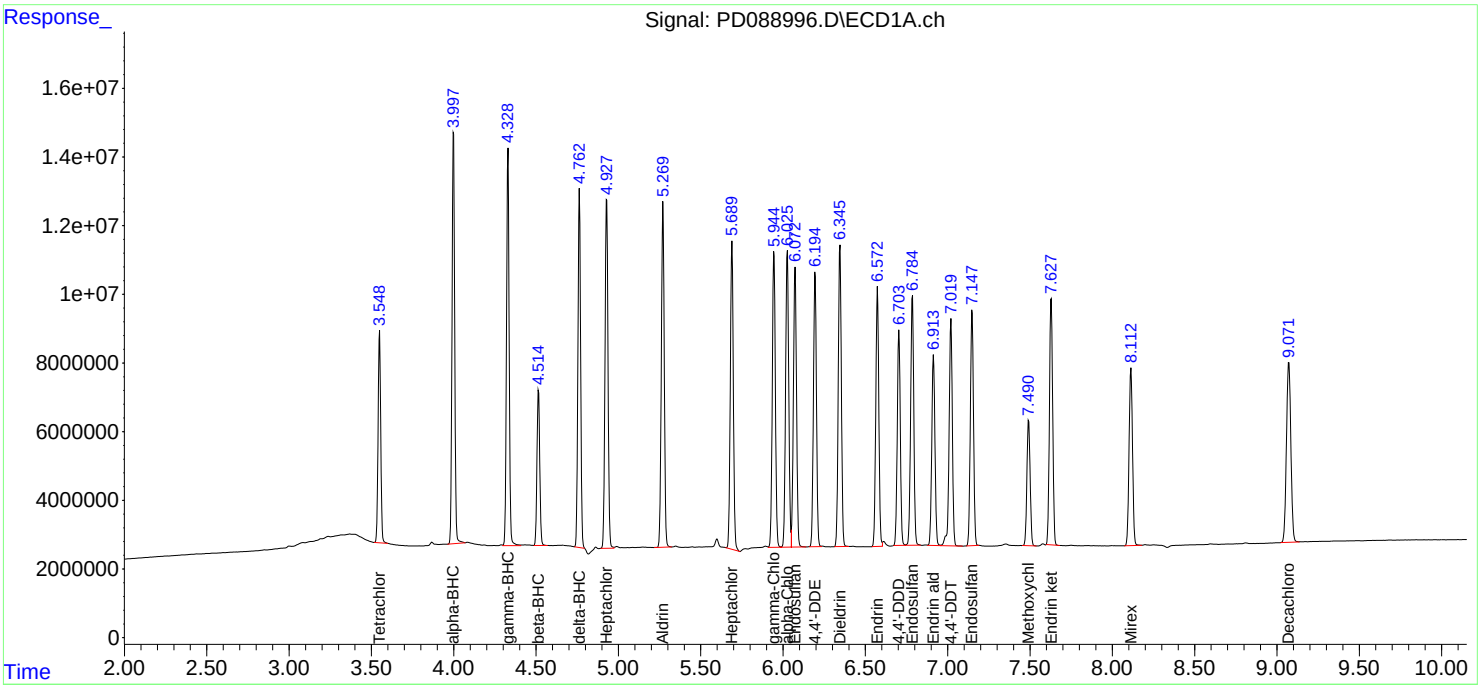
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC025

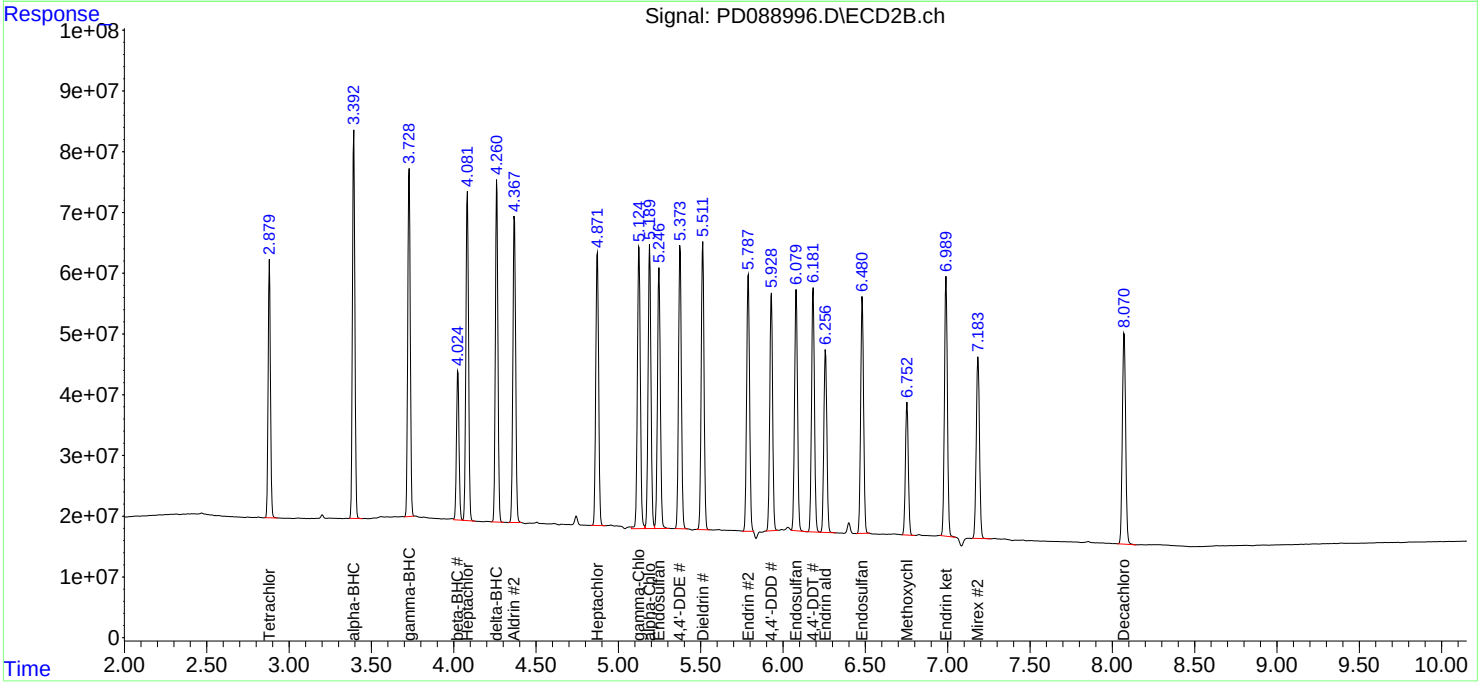
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.549 | 2.880 | 15861136 | 101.6E6 | 5.732 | 6.356 |
| 28) SA | Decachlor... | 9.073 | 8.072 | 23699682 | 125.5E6 | 6.281 | 6.812 |
| | Target Compounds | | | | | | |
| 2) A | alpha-BHC | 3.999 | 3.393 | 27627643 | 154.5E6 | 4.703 | 5.976 # |
| 3) MA | gamma-BHC... | 4.330 | 3.729 | 27664017 | 143.7E6 | 4.970 | 6.052 |
| 4) MA | Heptachlor | 4.929 | 4.083 | 28667725 | 149.5E6 | 5.350 | 6.249 |
| 5) MB | Aldrin | 5.270 | 4.368 | 27520008 | 143.0E6 | 5.237 | 6.176 |
| 6) B | beta-BHC | 4.515 | 4.025 | 12578663 | 65433774 | 5.884 | 6.416 |
| 7) B | delta-BHC | 4.763 | 4.262 | 24463430 | 145.0E6 | 4.721 | 6.063 # |
| 8) B | Heptachlo... | 5.690 | 4.873 | 26734361 | 133.2E6 | 5.629 | 6.394 |
| 9) A | Endosulfan I | 6.074 | 5.247 | 24592339 | 128.9E6 | 5.573 | 6.671 |
| 10) B | gamma-Chl... | 5.946 | 5.126 | 25225085 | 146.7E6 | 5.349 | 6.516 |
| 11) B | alpha-Chl... | 6.026 | 5.190 | 26148512 | 140.3E6 | 5.523 | 6.504 |
| 12) B | 4,4'-DDE | 6.194 | 5.375 | 22175565 | 137.0E6 | 5.142 | 6.280 |
| 13) MA | Dieldrin | 6.346 | 5.512 | 24894050 | 139.6E6 | 5.241 | 6.311 |
| 14) MA | Endrin | 6.573 | 5.787 | 21528490 | 131.0E6 | 5.255 | 6.347m |
| 15) B | Endosulfa... | 6.785 | 6.080 | 22765018 | 124.2E6 | 5.688 | 6.509 |
| 16) A | 4,4'-DDD | 6.704 | 5.929 | 17603896 | 115.0E6 | 5.156 | 6.321 |
| 17) MA | 4,4'-DDT | 7.020 | 6.183 | 19332472 | 115.4E6 | 5.137 | 5.889 |
| 18) B | Endrin al... | 6.914 | 6.259 | 17443585 | 96439397 | 5.885 | 6.707 |
| 19) B | Endosulfa... | 7.149 | 6.482 | 21359951 | 121.2E6 | 5.709 | 6.553 |
| 20) A | Methoxychlor | 7.493 | 6.754 | 11522878 | 65700483 | 5.845 | 6.404 |
| 21) B | Endrin ke... | 7.630 | 6.990 | 22217957 | 133.1E6 | 5.548 | 6.508m |
| 22) | Mirex | 8.113 | 7.185 | 18484356 | 106.1E6 | 6.367 | 6.807 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

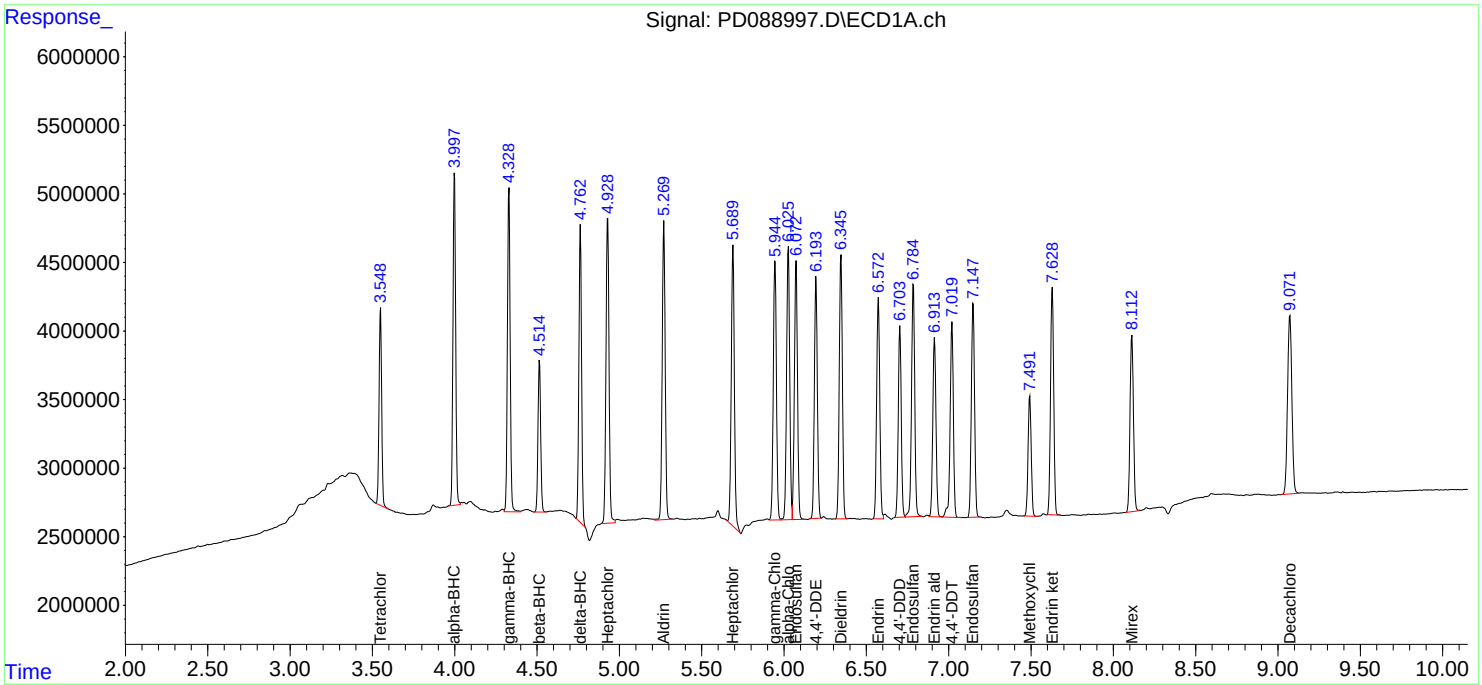
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC005

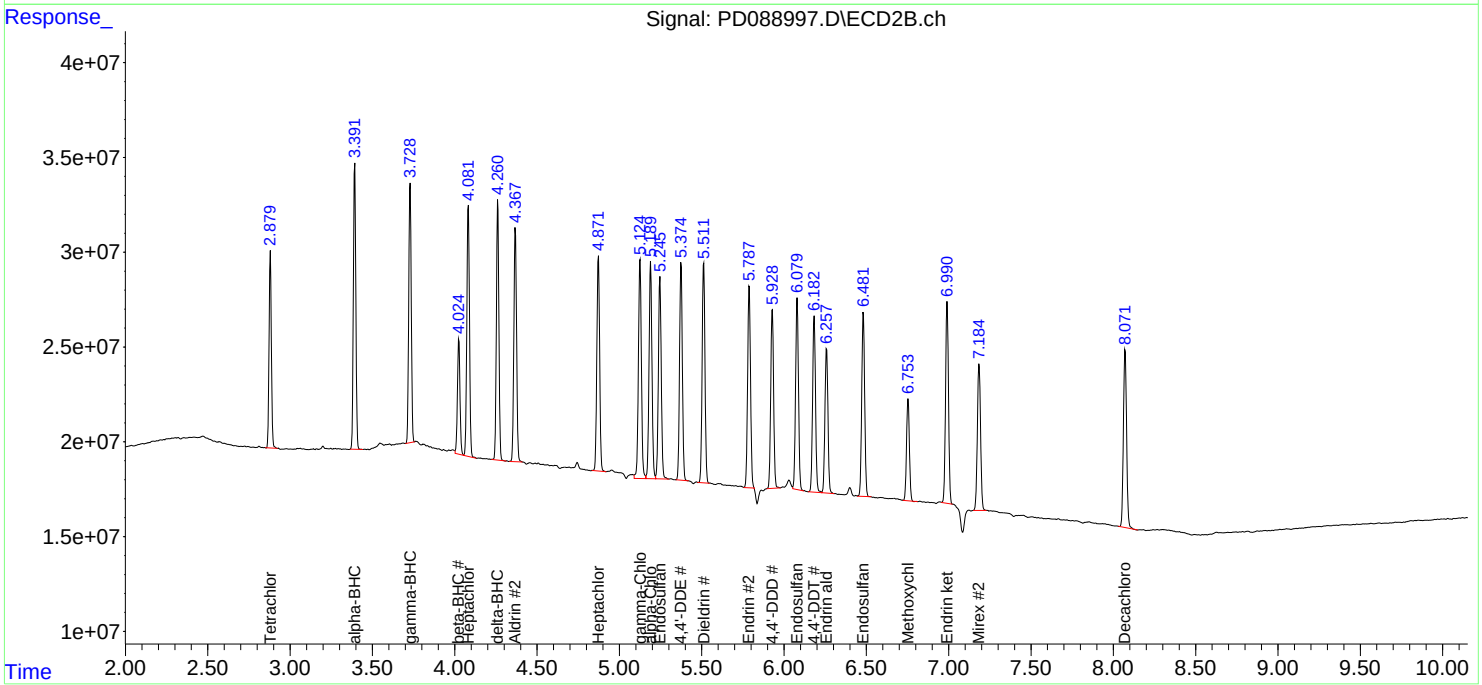
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
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: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 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... | 3.549 | 2.880 | 127.0E6 | 1003.3E6 | 50.000 | 50.000 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 175.3E6 | 940.3E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 23) | Chlordane-1 | 4.715 | 3.905 | 103.3E6 | 448.7E6 | 500.000 | 500.000 |
| 24) | Chlordane-2 | 5.241 | 4.487 | 103.7E6 | 451.9E6 | 500.000 | 500.000 |
| 25) | Chlordane-3 | 5.946 | 5.126 | 425.8E6 | 1413.2E6 | 500.000 | 500.000 |
| 26) | Chlordane-4 | 6.032 | 5.190 | 511.2E6 | 1191.6E6 | 500.000 | 500.000 |
| 27) | Chlordane-5 | 6.870 | 6.090 | 88549137 | 546.3E6 | 500.000 | 500.000 |

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

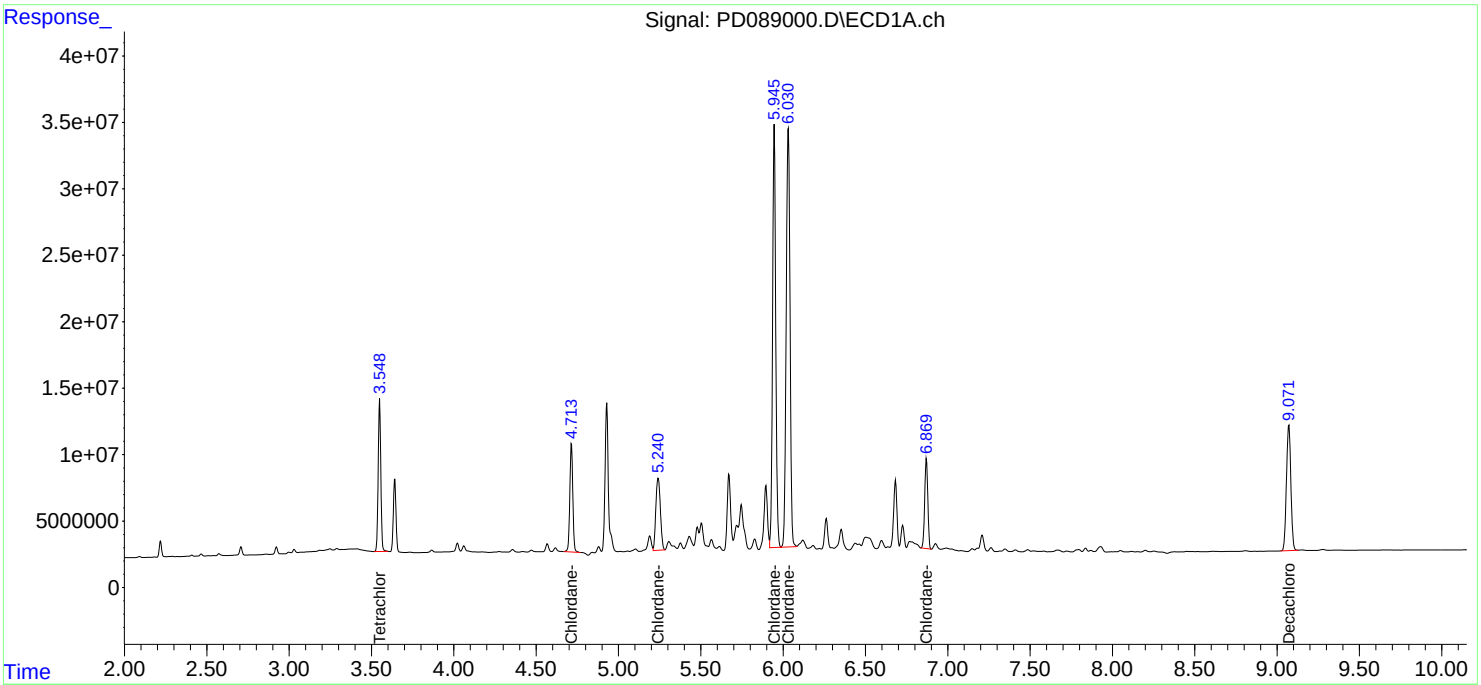
ICAL Form

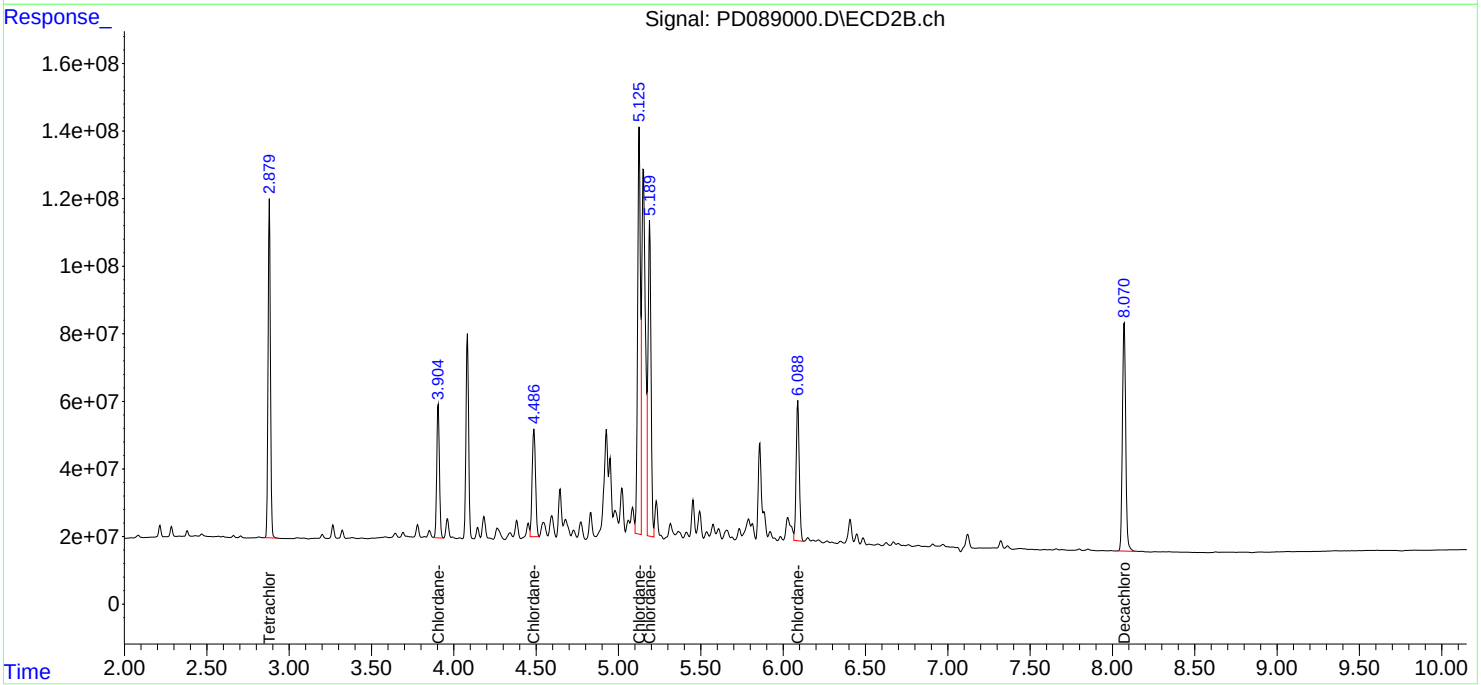
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
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: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 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 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... | 3.549 | 2.880 | 143.6E6 | 868.2E6 | 50.000 | 50.000 |
| 7) SA | Decachlor... | 9.071 | 8.071 | 194.1E6 | 1009.6E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 2) | Toxaphene-1 | 6.241 | 5.474 | 16800895 | 79079940 | 500.000 | 500.000 |
| 3) | Toxaphene-2 | 6.441 | 5.646 | 23764296 | 54409973 | 500.000 | 500.000 |
| 4) | Toxaphene-3 | 7.148 | 6.755 | 43646368 | 255.9E6 | 500.000 | 500.000 |
| 5) | Toxaphene-4 | 7.562 | 7.197 | 55678343 | 175.1E6 | 500.000 | 500.000 |
| 6) | Toxaphene-5 | 7.928 | 7.328 | 31556310 | 127.0E6 | 500.000 | 500.000 |

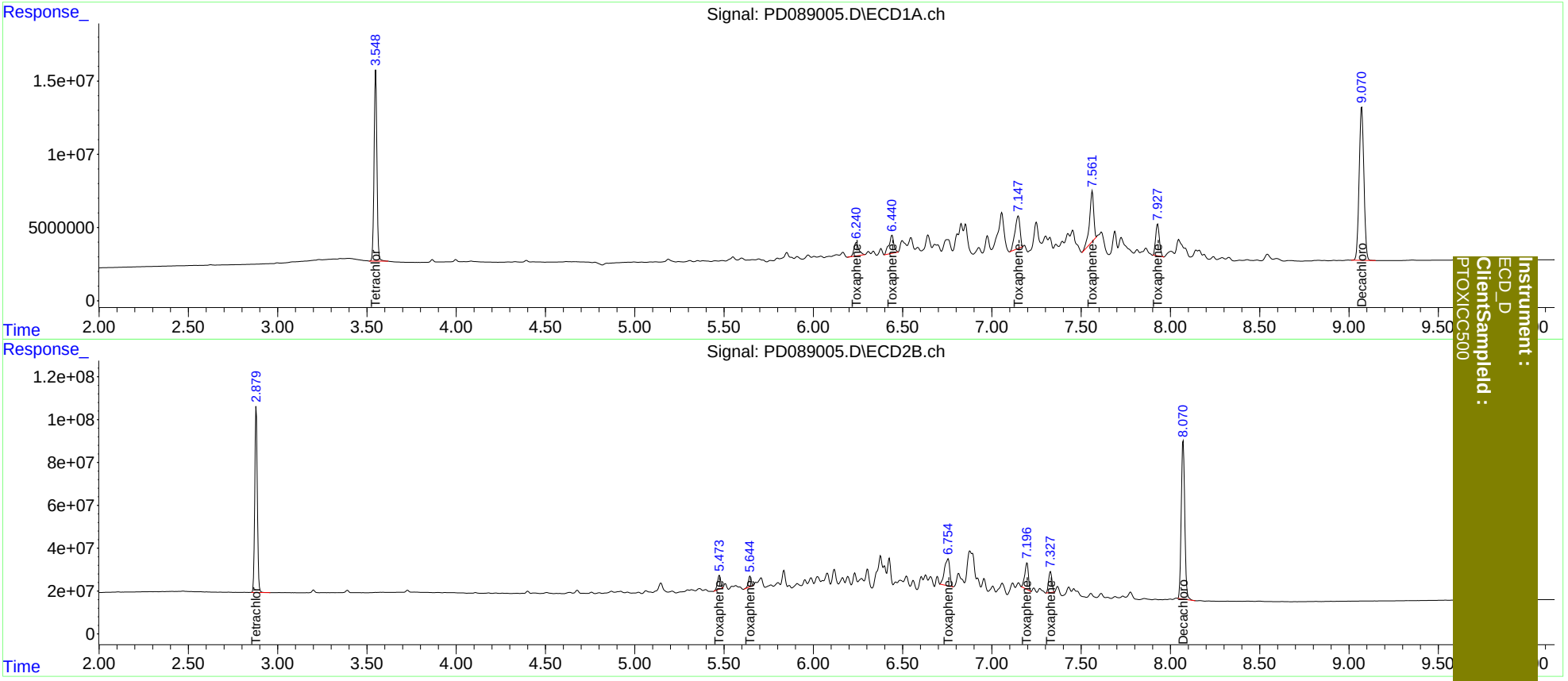
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
ICVPD061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.549 | 2.880 | 139.5E6 | 848.9E6 | 48.909 | 50.072 |
| 28) SA | Decachlor... | 9.072 | 8.073 | 188.5E6 | 996.5E6 | 47.986 | 50.403 |
| | Target Compounds | | | | | | |
| 2) A | alpha-BHC | 3.999 | 3.393 | 295.8E6 | 1350.4E6 | 50.737 | 50.394 |
| 3) MA | gamma-BHC... | 4.330 | 3.729 | 280.5E6 | 1249.3E6 | 50.254 | 50.462 |
| 4) MA | Heptachlor | 4.929 | 4.082 | 270.9E6 | 1252.2E6 | 49.682 | 50.010 |
| 5) MB | Aldrin | 5.271 | 4.368 | 265.0E6 | 1218.5E6 | 49.876 | 50.317 |
| 6) B | beta-BHC | 4.515 | 4.025 | 107.7E6 | 537.8E6 | 48.800 | 50.043 |
| 7) B | delta-BHC | 4.764 | 4.262 | 261.5E6 | 1252.0E6 | 50.946 | 50.333 |
| 8) B | Heptachlo... | 5.691 | 4.872 | 235.4E6 | 1093.7E6 | 48.806 | 49.946 |
| 9) A | Endosulfan I | 6.075 | 5.247 | 222.0E6 | 1045.8E6 | 49.252 | 50.175 |
| 10) B | gamma-Chl... | 5.946 | 5.126 | 237.3E6 | 1184.2E6 | 49.570 | 49.500 |
| 11) B | alpha-Chl... | 6.027 | 5.190 | 238.3E6 | 1135.5E6 | 49.257 | 49.590 |
| 12) B | 4,4'-DDE | 6.195 | 5.375 | 217.6E6 | 1145.1E6 | 49.901 | 49.970 |
| 13) MA | Dieldrin | 6.347 | 5.513 | 238.9E6 | 1159.0E6 | 49.793 | 49.940 |
| 14) MA | Endrin | 6.574 | 5.790 | 203.1E6 | 1100.0E6 | 49.223 | 50.657 |
| 15) B | Endosulfa... | 6.786 | 6.081 | 195.6E6 | 1002.6E6 | 48.453 | 49.643 |
| 16) A | 4,4'-DDD | 6.705 | 5.930 | 170.0E6 | 955.9E6 | 49.526 | 49.972 |
| 17) MA | 4,4'-DDT | 7.021 | 6.184 | 188.0E6 | 1027.1E6 | 49.627 | 50.650 |
| 18) B | Endrin al... | 6.915 | 6.259 | 149.8E6 | 759.8E6 | 48.894 | 49.621 |
| 19) B | Endosulfa... | 7.149 | 6.483 | 187.3E6 | 976.2E6 | 48.824 | 49.755 |
| 20) A | Methoxychlor | 7.493 | 6.755 | 98271542 | 536.8E6 | 48.634 | 49.853 |
| 21) B | Endrin ke... | 7.630 | 6.992 | 200.8E6 | 1076.8E6 | 49.300 | 49.848 |
| 22) | Mirex | 8.114 | 7.186 | 147.3E6 | 825.2E6 | 48.452 | 49.481 |

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

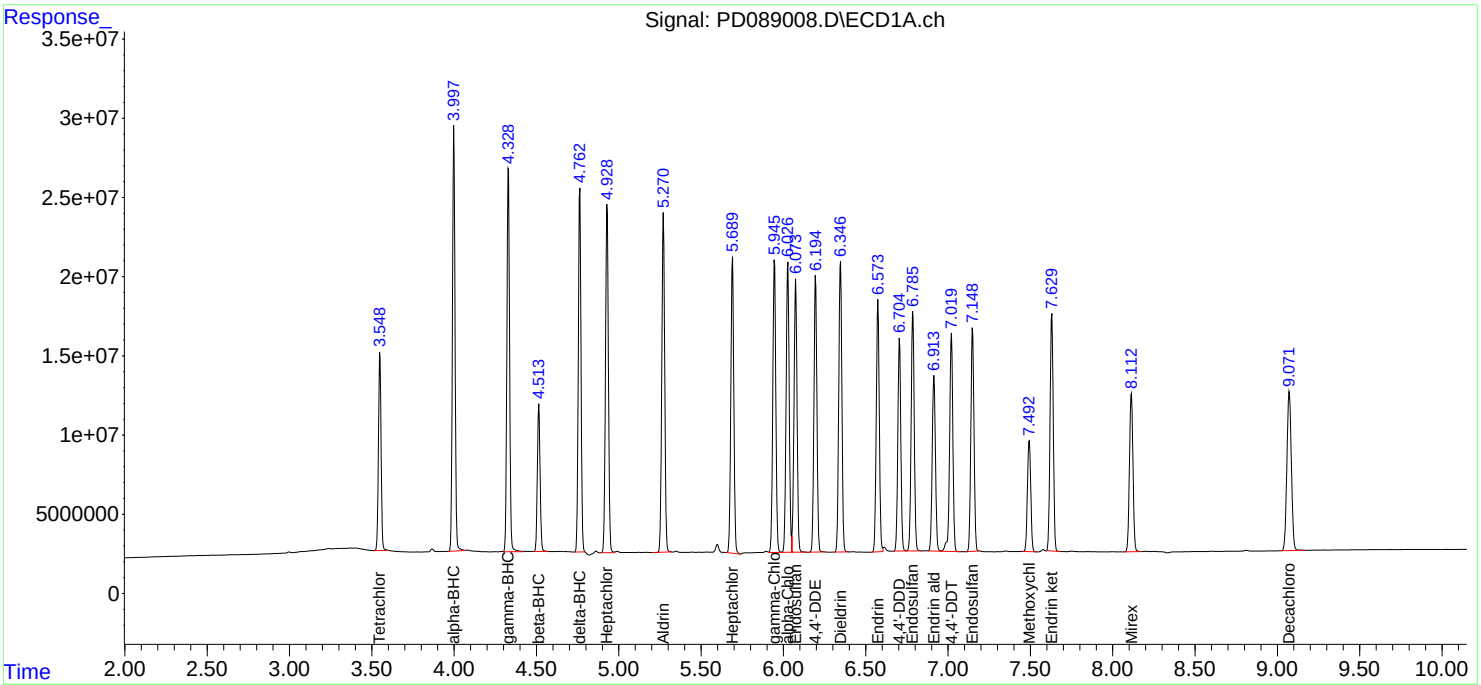
ICAL Form

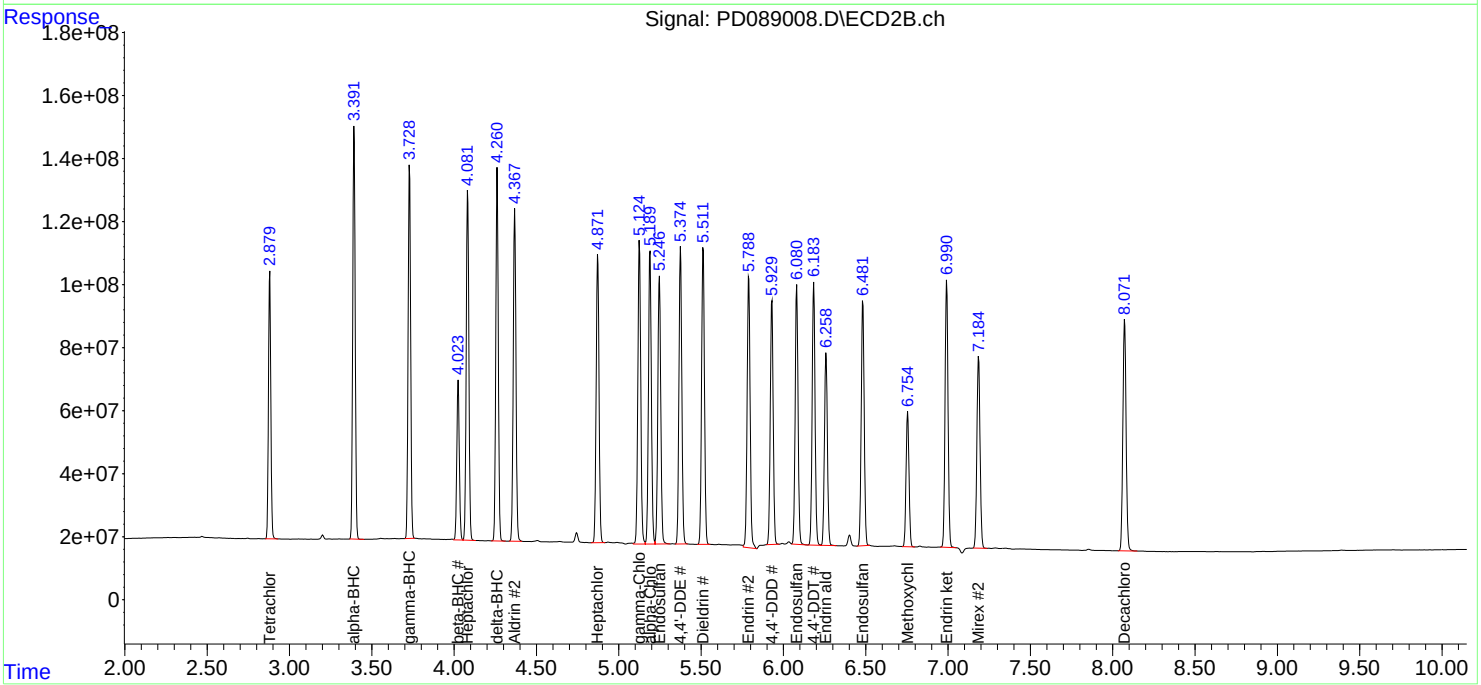
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
ICVPD061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
ICVPD061825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:06:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.549 | 2.880 | 127.5E6 | 1002.8E6 | 48.435 | 48.165 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 176.1E6 | 945.9E6 | 47.752 | 47.396 |
| | Target Compounds | | | | | | |
| 23) | Chlordane-1 | 4.714 | 3.905 | 104.1E6 | 451.3E6 | 486.162 | 484.057 |
| 24) | Chlordane-2 | 5.241 | 4.487 | 104.8E6 | 451.6E6 | 480.042 | 474.511 |
| 25) | Chlordane-3 | 5.946 | 5.125 | 422.4E6 | 1412.7E6 | 489.742 | 475.621 |
| 26) | Chlordane-4 | 6.031 | 5.189 | 512.9E6 | 1195.8E6 | 488.156 | 477.027 |
| 27) | Chlordane-5 | 6.870 | 6.089 | 88790524 | 548.7E6 | 485.833 | 484.867 |

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

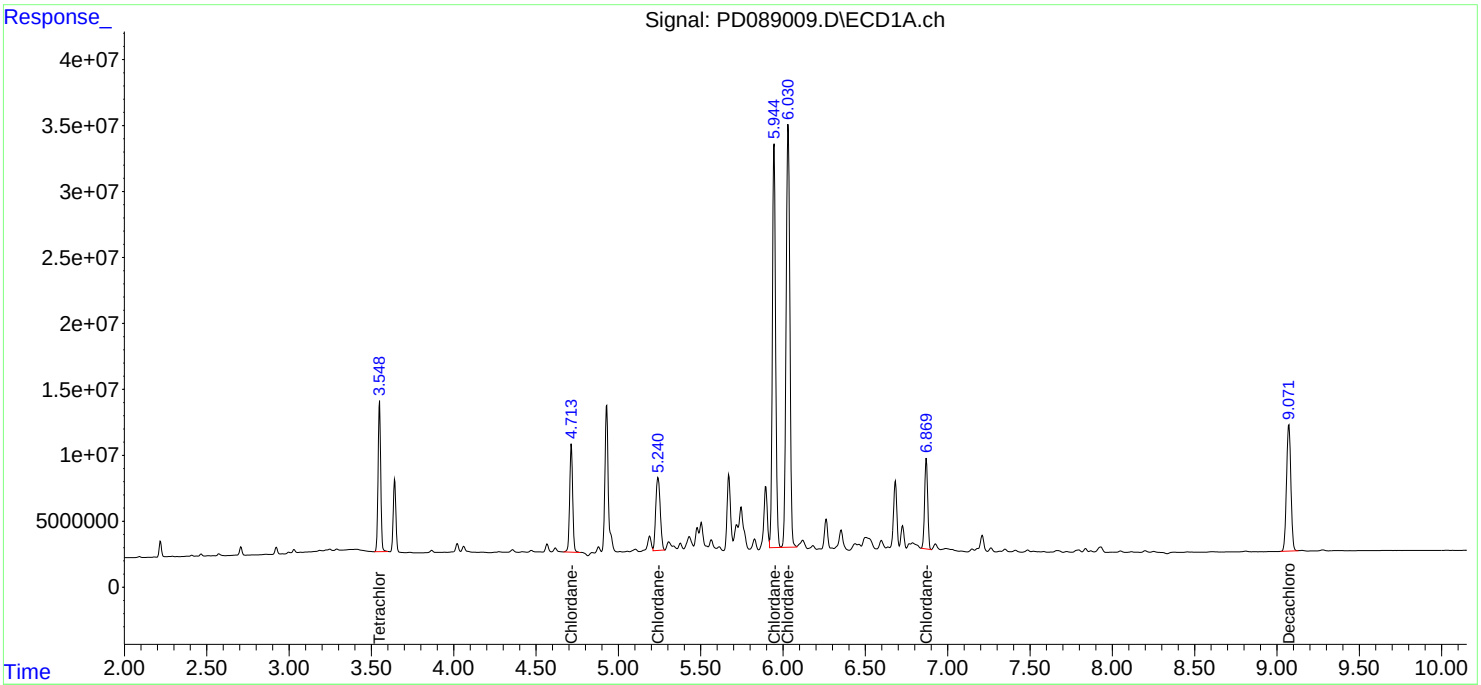
ICAL Form

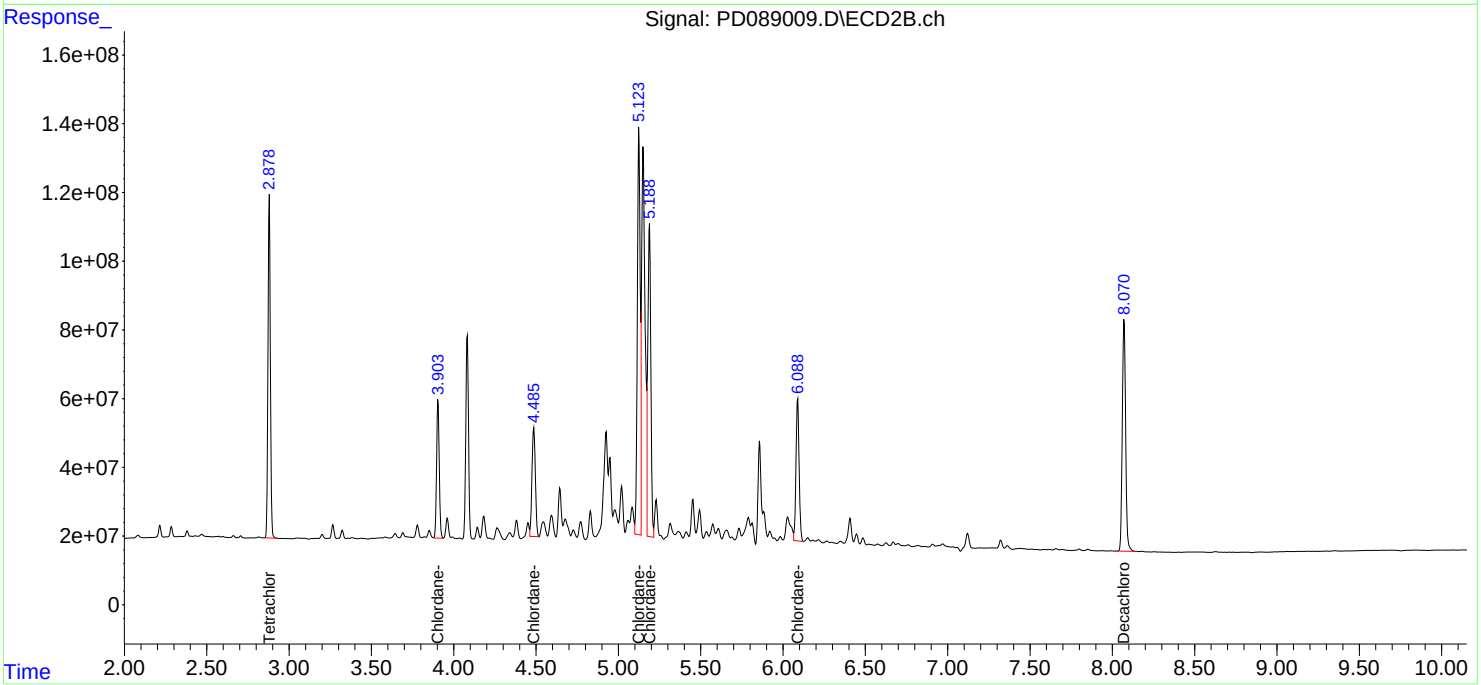
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
ICVPD061825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:06:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:44
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
ICVPD061825TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:35:42 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 | 2.881 | 140.5E6 | 849.8E6 | 49.126 | 48.618 |
| 7) | SA Decachlor... | 9.072 | 8.072 | 190.0E6 | 991.7E6 | 48.552 | 48.009 |
| | Target Compounds | | | | | | |
| 2) | Toxaphene-1 | 6.241 | 5.475 | 16556024 | 76482668 | 496.105 | 468.012 |
| 3) | Toxaphene-2 | 6.441 | 5.647 | 23088671 | 52728004 | 503.218 | 488.483 |
| 4) | Toxaphene-3 | 7.149 | 6.756 | 42578482 | 247.9E6 | 493.980 | 497.712 |
| 5) | Toxaphene-4 | 7.563 | 7.198 | 54552672 | 171.5E6 | 492.551 | 493.627 |
| 6) | Toxaphene-5 | 7.928 | 7.329 | 31161300 | 123.5E6 | 501.825 | 508.354 |

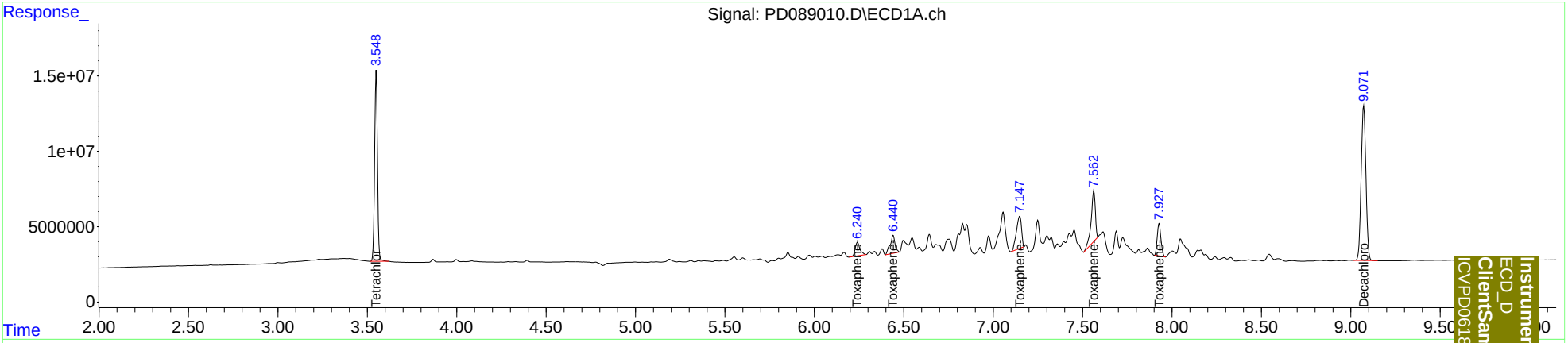
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:44
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: Jun 18 04:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:35:42 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



Raw Data: **PD089266.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 13:35 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.08 | 9.07 | 8.97 | 9.17 | -0.01 |
| Tetrachloro-m-xylene | 3.56 | 3.55 | 3.45 | 3.65 | -0.01 |
| alpha-BHC | 4.01 | 4.00 | 3.90 | 4.10 | -0.01 |
| beta-BHC | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| delta-BHC | 4.77 | 4.76 | 4.66 | 4.86 | -0.01 |
| gamma-BHC (Lindane) | 4.34 | 4.33 | 4.23 | 4.43 | -0.01 |
| Heptachlor | 4.94 | 4.93 | 4.83 | 5.03 | -0.01 |
| Aldrin | 5.28 | 5.27 | 5.17 | 5.37 | -0.01 |
| Heptachlor epoxide | 5.70 | 5.69 | 5.59 | 5.79 | -0.01 |
| Endosulfan I | 6.08 | 6.08 | 5.98 | 6.18 | 0.00 |
| Dieldrin | 6.36 | 6.35 | 6.25 | 6.45 | -0.01 |
| 4,4'-DDE | 6.21 | 6.20 | 6.10 | 6.30 | 0.00 |
| Endrin | 6.58 | 6.58 | 6.48 | 6.68 | 0.00 |
| Endosulfan II | 6.80 | 6.79 | 6.69 | 6.89 | -0.01 |
| 4,4'-DDD | 6.72 | 6.71 | 6.61 | 6.81 | -0.01 |
| Endosulfan sulfate | 7.16 | 7.15 | 7.05 | 7.25 | -0.01 |
| 4,4'-DDT | 7.03 | 7.02 | 6.92 | 7.12 | -0.01 |
| Methoxychlor | 7.50 | 7.49 | 7.39 | 7.59 | -0.01 |
| Endrin ketone | 7.64 | 7.63 | 7.53 | 7.73 | -0.01 |
| Endrin aldehyde | 6.92 | 6.92 | 6.82 | 7.02 | 0.00 |
| alpha-Chlordane | 6.04 | 6.03 | 5.93 | 6.13 | -0.01 |
| gamma-Chlordane | 5.96 | 5.95 | 5.85 | 6.05 | 0.00 |

Raw Data: **PD089266.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 13:35 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.07 | 8.07 | 7.97 | 8.17 | 0.00 |
| Tetrachloro-m-xylene | 2.88 | 2.88 | 2.78 | 2.98 | 0.00 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.00 |
| beta-BHC | 4.03 | 4.03 | 3.93 | 4.13 | 0.00 |
| delta-BHC | 4.26 | 4.26 | 4.16 | 4.36 | 0.00 |
| gamma-BHC (Lindane) | 3.73 | 3.73 | 3.63 | 3.83 | 0.00 |
| Heptachlor | 4.08 | 4.08 | 3.98 | 4.18 | 0.00 |
| Aldrin | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Heptachlor epoxide | 4.87 | 4.87 | 4.77 | 4.97 | 0.00 |
| Endosulfan I | 5.25 | 5.25 | 5.15 | 5.35 | 0.00 |
| Dieldrin | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| 4,4'-DDE | 5.38 | 5.38 | 5.28 | 5.48 | 0.00 |
| Endrin | 5.79 | 5.79 | 5.69 | 5.89 | 0.00 |
| Endosulfan II | 6.08 | 6.08 | 5.98 | 6.18 | 0.00 |
| 4,4'-DDD | 5.93 | 5.93 | 5.83 | 6.03 | 0.00 |
| Endosulfan sulfate | 6.48 | 6.48 | 6.38 | 6.58 | 0.00 |
| 4,4'-DDT | 6.19 | 6.18 | 6.08 | 6.28 | 0.00 |
| Methoxychlor | 6.76 | 6.76 | 6.66 | 6.86 | 0.00 |
| Endrin ketone | 6.99 | 6.99 | 6.89 | 7.09 | 0.00 |
| Endrin aldehyde | 6.26 | 6.26 | 6.16 | 6.36 | 0.00 |
| alpha-Chlordane | 5.19 | 5.19 | 5.09 | 5.29 | 0.00 |
| gamma-Chlordane | 5.13 | 5.13 | 5.03 | 5.23 | 0.00 |

Raw Data: **PD089266.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089266.D **Time Analyzed:** 13:35

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.715 | 6.605 | 6.805 | 51.660 | 50.000 | 3.3 |
| 4,4'-DDE | 6.205 | 6.096 | 6.296 | 48.860 | 50.000 | -2.3 |
| 4,4'-DDT | 7.030 | 6.921 | 7.121 | 43.340 | 50.000 | -13.3 |
| Aldrin | 5.280 | 5.171 | 5.371 | 51.140 | 50.000 | 2.3 |
| alpha-BHC | 4.008 | 3.899 | 4.099 | 52.120 | 50.000 | 4.2 |
| alpha-Chlordane | 6.036 | 5.927 | 6.127 | 49.710 | 50.000 | -0.6 |
| beta-BHC | 4.524 | 4.415 | 4.615 | 48.950 | 50.000 | -2.1 |
| Decachlorobiphenyl | 9.084 | 8.972 | 9.172 | 48.780 | 50.000 | -2.4 |
| delta-BHC | 4.772 | 4.664 | 4.864 | 53.570 | 50.000 | 7.1 |
| Dieldrin | 6.356 | 6.247 | 6.447 | 50.140 | 50.000 | 0.3 |
| Endosulfan I | 6.083 | 5.975 | 6.175 | 49.940 | 50.000 | -0.1 |
| Endosulfan II | 6.795 | 6.686 | 6.886 | 48.920 | 50.000 | -2.2 |
| Endosulfan sulfate | 7.158 | 7.049 | 7.249 | 48.220 | 50.000 | -3.6 |
| Endrin | 6.583 | 6.475 | 6.675 | 46.610 | 50.000 | -6.8 |
| Endrin aldehyde | 6.923 | 6.815 | 7.015 | 47.590 | 50.000 | -4.8 |
| Endrin ketone | 7.639 | 7.530 | 7.730 | 48.720 | 50.000 | -2.6 |
| gamma-BHC (Lindane) | 4.339 | 4.230 | 4.430 | 50.900 | 50.000 | 1.8 |
| gamma-Chlordane | 5.955 | 5.846 | 6.046 | 50.610 | 50.000 | 1.2 |
| Heptachlor | 4.938 | 4.829 | 5.029 | 49.650 | 50.000 | -0.7 |
| Heptachlor epoxide | 5.700 | 5.591 | 5.791 | 49.160 | 50.000 | -1.7 |
| Methoxychlor | 7.502 | 7.393 | 7.593 | 49.560 | 50.000 | -0.9 |
| Tetrachloro-m-xylene | 3.558 | 3.450 | 3.650 | 51.440 | 50.000 | 2.9 |

Raw Data: **PD089266.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089266.D **Time Analyzed:** 13:35

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.931 | 5.830 | 6.030 | 47.120 | 50.000 | -5.8 |
| 4,4'-DDE | 5.376 | 5.275 | 5.475 | 48.960 | 50.000 | -2.1 |
| 4,4'-DDT | 6.185 | 6.084 | 6.284 | 42.950 | 50.000 | -14.1 |
| Aldrin | 4.370 | 4.269 | 4.469 | 49.490 | 50.000 | -1.0 |
| alpha-BHC | 3.393 | 3.293 | 3.493 | 50.180 | 50.000 | 0.4 |
| alpha-Chlordane | 5.192 | 5.091 | 5.291 | 50.230 | 50.000 | 0.5 |
| beta-BHC | 4.026 | 3.926 | 4.126 | 47.780 | 50.000 | -4.4 |
| Decachlorobiphenyl | 8.074 | 7.972 | 8.172 | 48.360 | 50.000 | -3.3 |
| delta-BHC | 4.263 | 4.162 | 4.362 | 48.900 | 50.000 | -2.2 |
| Dieldrin | 5.512 | 5.413 | 5.613 | 48.830 | 50.000 | -2.3 |
| Endosulfan I | 5.248 | 5.147 | 5.347 | 50.360 | 50.000 | 0.7 |
| Endosulfan II | 6.082 | 5.981 | 6.181 | 48.700 | 50.000 | -2.6 |
| Endosulfan sulfate | 6.484 | 6.383 | 6.583 | 48.060 | 50.000 | -3.9 |
| Endrin | 5.791 | 5.689 | 5.889 | 47.960 | 50.000 | -4.1 |
| Endrin aldehyde | 6.260 | 6.159 | 6.359 | 47.200 | 50.000 | -5.6 |
| Endrin ketone | 6.993 | 6.892 | 7.092 | 48.850 | 50.000 | -2.3 |
| gamma-BHC (Lindane) | 3.728 | 3.630 | 3.830 | 49.670 | 50.000 | -0.7 |
| gamma-Chlordane | 5.125 | 5.026 | 5.226 | 48.580 | 50.000 | -2.8 |
| Heptachlor | 4.083 | 3.983 | 4.183 | 47.120 | 50.000 | -5.8 |
| Heptachlor epoxide | 4.872 | 4.773 | 4.973 | 49.620 | 50.000 | -0.8 |
| Methoxychlor | 6.756 | 6.655 | 6.855 | 49.370 | 50.000 | -1.3 |
| Tetrachloro-m-xylene | 2.880 | 2.780 | 2.980 | 51.270 | 50.000 | 2.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 13:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:45:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.558 | 2.880 | 146.8E6 | 869.2E6 | 51.443 | 51.270 |
| 28) | SA Decachlor... | 9.084 | 8.074 | 191.6E6 | 956.2E6 | 48.783 | 48.364 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.008 | 3.393 | 303.8E6 | 1344.6E6 | 52.123 | 50.178 |
| 3) | MA gamma-BHC... | 4.339 | 3.728 | 284.1E6 | 1229.7E6 | 50.904 | 49.670m |
| 4) | MA Heptachlor | 4.938 | 4.083 | 270.7E6 | 1179.9E6 | 49.655 | 47.124 |
| 5) | MB Aldrin | 5.280 | 4.370 | 271.7E6 | 1198.6E6 | 51.135 | 49.493 |
| 6) | B beta-BHC | 4.524 | 4.026 | 108.0E6 | 513.5E6 | 48.946 | 47.781 |
| 7) | B delta-BHC | 4.772 | 4.263 | 275.0E6 | 1216.4E6 | 53.574m | 48.903 |
| 8) | B Heptachlo... | 5.700 | 4.872 | 237.1E6 | 1086.7E6 | 49.158 | 49.625m |
| 9) | A Endosulfan I | 6.083 | 5.248 | 225.1E6 | 1049.6E6 | 49.945 | 50.359 |
| 10) | B gamma-Chl... | 5.955 | 5.125 | 242.3E6 | 1162.3E6 | 50.612 | 48.584m |
| 11) | B alpha-Chl... | 6.036 | 5.192 | 240.5E6 | 1150.2E6 | 49.710 | 50.235 |
| 12) | B 4,4'-DDE | 6.205 | 5.376 | 213.1E6 | 1122.0E6 | 48.859 | 48.962 |
| 13) | MA Dieldrin | 6.356 | 5.512 | 240.5E6 | 1133.4E6 | 50.137 | 48.834m |
| 14) | MA Endrin | 6.583 | 5.791 | 192.3E6 | 1041.3E6 | 46.608 | 47.957 |
| 15) | B Endosulfa... | 6.795 | 6.082 | 197.5E6 | 983.7E6 | 48.921 | 48.704 |
| 16) | A 4,4'-DDD | 6.715 | 5.931 | 177.3E6 | 901.4E6 | 51.663 | 47.119 |
| 17) | MA 4,4'-DDT | 7.030 | 6.185 | 164.2E6 | 871.1E6 | 43.336 | 42.954 |
| 18) | B Endrin al... | 6.923 | 6.260 | 145.8E6 | 722.7E6 | 47.590m | 47.201 |
| 19) | B Endosulfa... | 7.158 | 6.484 | 185.0E6 | 943.0E6 | 48.218 | 48.062 |
| 20) | A Methoxychlor | 7.502 | 6.756 | 100.1E6 | 531.7E6 | 49.562 | 49.374 |
| 21) | B Endrin ke... | 7.639 | 6.993 | 198.5E6 | 1055.3E6 | 48.725 | 48.854 |
| 22) | Mirex | 8.123 | 7.186 | 145.6E6 | 790.0E6 | 47.891 | 47.365m |

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

Sample Results: **PD089266.D**

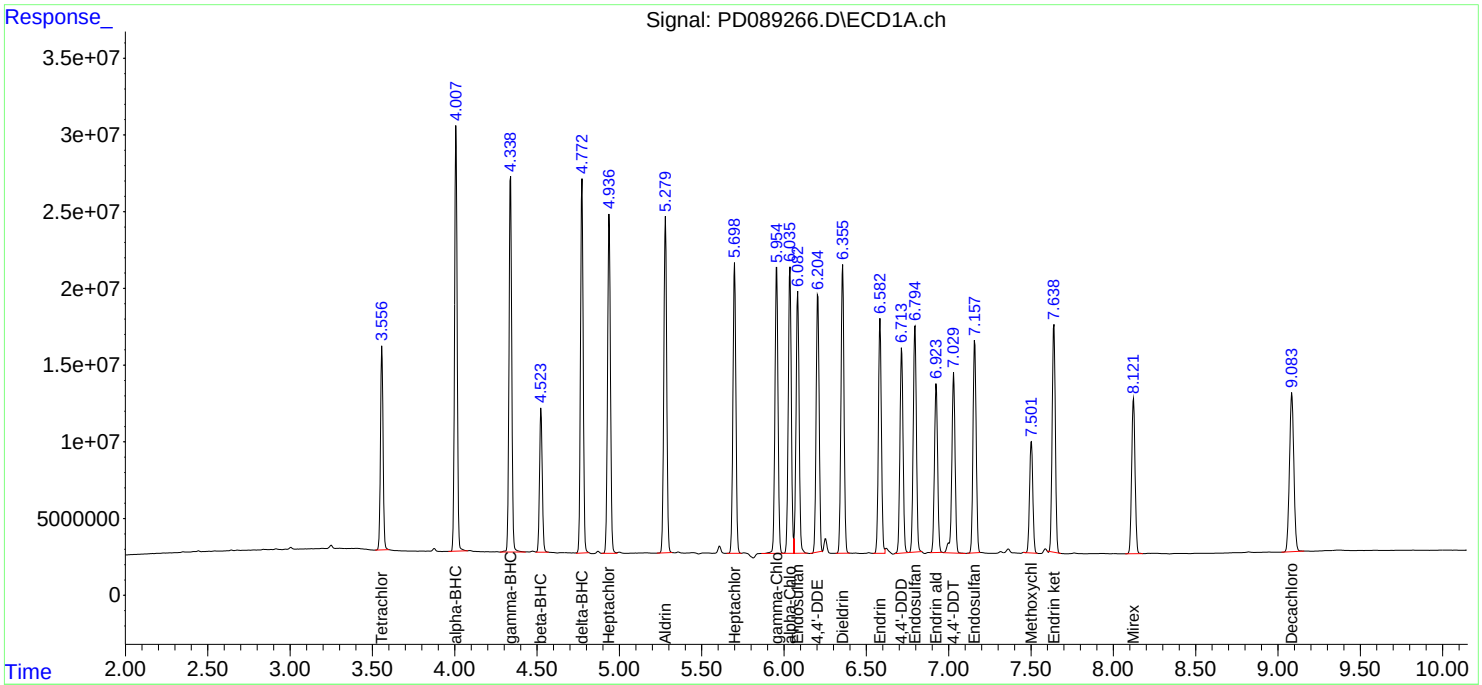
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 13:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

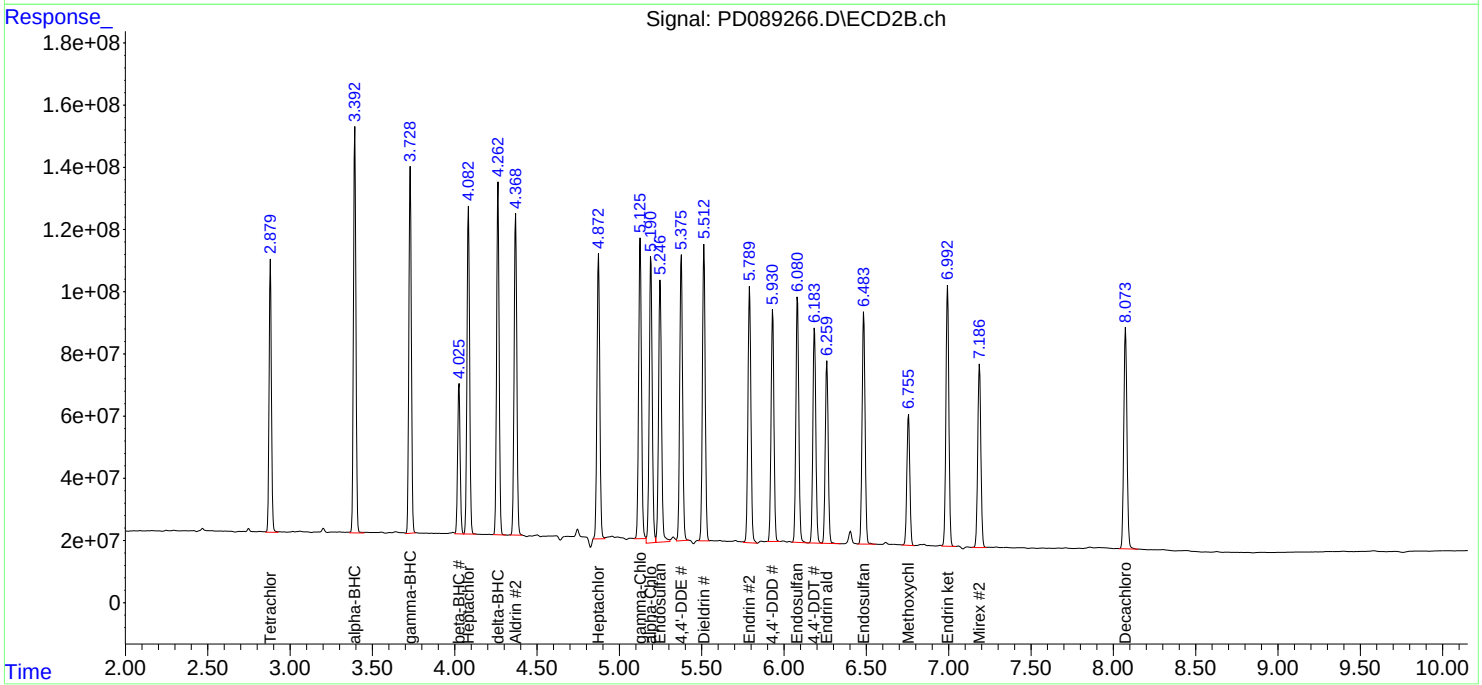
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:45:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089277.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 16:50 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.07 | 8.97 | 9.17 | 0.00 |
| Tetrachloro-m-xylene | 3.55 | 3.55 | 3.45 | 3.65 | 0.00 |
| alpha-BHC | 4.00 | 4.00 | 3.90 | 4.10 | 0.00 |
| beta-BHC | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| 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 | 4.93 | 4.83 | 5.03 | 0.00 |
| Aldrin | 5.27 | 5.27 | 5.17 | 5.37 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.59 | 5.79 | 0.00 |
| Endosulfan I | 6.08 | 6.08 | 5.98 | 6.18 | 0.01 |
| Dieldrin | 6.35 | 6.35 | 6.25 | 6.45 | 0.00 |
| 4,4'-DDE | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |
| Endrin | 6.57 | 6.58 | 6.48 | 6.68 | 0.01 |
| Endosulfan II | 6.79 | 6.79 | 6.69 | 6.89 | 0.00 |
| 4,4'-DDD | 6.71 | 6.71 | 6.61 | 6.81 | 0.00 |
| Endosulfan sulfate | 7.15 | 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 | 6.92 | 6.92 | 6.82 | 7.02 | 0.00 |
| alpha-Chlordane | 6.03 | 6.03 | 5.93 | 6.13 | 0.00 |
| gamma-Chlordane | 5.95 | 5.95 | 5.85 | 6.05 | 0.00 |

Raw Data: **PD089277.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 16:50 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.07 | 8.07 | 7.97 | 8.17 | 0.00 |
| Tetrachloro-m-xylene | 2.88 | 2.88 | 2.78 | 2.98 | 0.00 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.00 |
| beta-BHC | 4.03 | 4.03 | 3.93 | 4.13 | 0.00 |
| delta-BHC | 4.26 | 4.26 | 4.16 | 4.36 | 0.00 |
| gamma-BHC (Lindane) | 3.73 | 3.73 | 3.63 | 3.83 | 0.00 |
| Heptachlor | 4.08 | 4.08 | 3.98 | 4.18 | 0.00 |
| Aldrin | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Heptachlor epoxide | 4.87 | 4.87 | 4.77 | 4.97 | 0.00 |
| Endosulfan I | 5.25 | 5.25 | 5.15 | 5.35 | 0.01 |
| Dieldrin | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| 4,4'-DDE | 5.38 | 5.38 | 5.28 | 5.48 | 0.00 |
| Endrin | 5.79 | 5.79 | 5.69 | 5.89 | 0.00 |
| Endosulfan II | 6.08 | 6.08 | 5.98 | 6.18 | 0.00 |
| 4,4'-DDD | 5.93 | 5.93 | 5.83 | 6.03 | 0.00 |
| Endosulfan sulfate | 6.48 | 6.48 | 6.38 | 6.58 | 0.00 |
| 4,4'-DDT | 6.18 | 6.18 | 6.08 | 6.28 | 0.00 |
| Methoxychlor | 6.75 | 6.76 | 6.66 | 6.86 | 0.01 |
| Endrin ketone | 6.99 | 6.99 | 6.89 | 7.09 | 0.00 |
| Endrin aldehyde | 6.26 | 6.26 | 6.16 | 6.36 | 0.00 |
| alpha-Chlordane | 5.19 | 5.19 | 5.09 | 5.29 | 0.00 |
| gamma-Chlordane | 5.12 | 5.13 | 5.03 | 5.23 | 0.01 |

Raw Data: **PD089277.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089277.D **Time Analyzed:** 16:50

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.706 | 6.605 | 6.805 | 51.810 | 50.000 | 3.6 |
| 4,4'-DDE | 6.196 | 6.096 | 6.296 | 49.240 | 50.000 | -1.5 |
| 4,4'-DDT | 7.021 | 6.921 | 7.121 | 44.170 | 50.000 | -11.7 |
| Aldrin | 5.272 | 5.171 | 5.371 | 51.690 | 50.000 | 3.4 |
| alpha-BHC | 4.000 | 3.899 | 4.099 | 52.270 | 50.000 | 4.5 |
| alpha-Chlordane | 6.028 | 5.927 | 6.127 | 50.240 | 50.000 | 0.5 |
| beta-BHC | 4.516 | 4.415 | 4.615 | 49.900 | 50.000 | -0.2 |
| Decachlorobiphenyl | 9.073 | 8.972 | 9.172 | 48.690 | 50.000 | -2.6 |
| delta-BHC | 4.765 | 4.664 | 4.864 | 53.990 | 50.000 | 8.0 |
| Dieldrin | 6.348 | 6.247 | 6.447 | 50.190 | 50.000 | 0.4 |
| Endosulfan I | 6.075 | 5.975 | 6.175 | 50.580 | 50.000 | 1.2 |
| Endosulfan II | 6.787 | 6.686 | 6.886 | 49.450 | 50.000 | -1.1 |
| Endosulfan sulfate | 7.150 | 7.049 | 7.249 | 48.310 | 50.000 | -3.4 |
| Endrin | 6.574 | 6.475 | 6.675 | 47.220 | 50.000 | -5.6 |
| Endrin aldehyde | 6.916 | 6.815 | 7.015 | 48.350 | 50.000 | -3.3 |
| Endrin ketone | 7.630 | 7.530 | 7.730 | 49.130 | 50.000 | -1.7 |
| gamma-BHC (Lindane) | 4.331 | 4.230 | 4.430 | 51.800 | 50.000 | 3.6 |
| gamma-Chlordane | 5.947 | 5.846 | 6.046 | 50.960 | 50.000 | 1.9 |
| Heptachlor | 4.930 | 4.829 | 5.029 | 50.200 | 50.000 | 0.4 |
| Heptachlor epoxide | 5.691 | 5.591 | 5.791 | 49.950 | 50.000 | -0.1 |
| Methoxychlor | 7.493 | 7.393 | 7.593 | 50.180 | 50.000 | 0.4 |
| Tetrachloro-m-xylene | 3.550 | 3.450 | 3.650 | 51.880 | 50.000 | 3.8 |

Raw Data: **PD089277.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089277.D **Time Analyzed:** 16:50

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.930 | 5.830 | 6.030 | 48.050 | 50.000 | -3.9 |
| 4,4'-DDE | 5.375 | 5.275 | 5.475 | 50.250 | 50.000 | 0.5 |
| 4,4'-DDT | 6.183 | 6.084 | 6.284 | 44.120 | 50.000 | -11.8 |
| Aldrin | 4.369 | 4.269 | 4.469 | 51.130 | 50.000 | 2.3 |
| alpha-BHC | 3.394 | 3.293 | 3.493 | 51.500 | 50.000 | 3.0 |
| alpha-Chlordane | 5.189 | 5.091 | 5.291 | 49.750 | 50.000 | -0.5 |
| beta-BHC | 4.026 | 3.926 | 4.126 | 49.490 | 50.000 | -1.0 |
| Decachlorobiphenyl | 8.072 | 7.972 | 8.172 | 47.700 | 50.000 | -4.6 |
| delta-BHC | 4.263 | 4.162 | 4.362 | 50.640 | 50.000 | 1.3 |
| Dieldrin | 5.511 | 5.413 | 5.613 | 50.100 | 50.000 | 0.2 |
| Endosulfan I | 5.245 | 5.147 | 5.347 | 49.820 | 50.000 | -0.4 |
| Endosulfan II | 6.080 | 5.981 | 6.181 | 49.230 | 50.000 | -1.5 |
| Endosulfan sulfate | 6.482 | 6.383 | 6.583 | 48.600 | 50.000 | -2.8 |
| Endrin | 5.789 | 5.689 | 5.889 | 50.440 | 50.000 | 0.9 |
| Endrin aldehyde | 6.258 | 6.159 | 6.359 | 47.730 | 50.000 | -4.5 |
| Endrin ketone | 6.991 | 6.892 | 7.092 | 49.210 | 50.000 | -1.6 |
| gamma-BHC (Lindane) | 3.728 | 3.630 | 3.830 | 51.080 | 50.000 | 2.2 |
| gamma-Chlordane | 5.124 | 5.026 | 5.226 | 49.420 | 50.000 | -1.2 |
| Heptachlor | 4.083 | 3.983 | 4.183 | 49.000 | 50.000 | -2.0 |
| Heptachlor epoxide | 4.871 | 4.773 | 4.973 | 50.730 | 50.000 | 1.5 |
| Methoxychlor | 6.754 | 6.655 | 6.855 | 51.030 | 50.000 | 2.1 |
| Tetrachloro-m-xylene | 2.881 | 2.780 | 2.980 | 53.140 | 50.000 | 6.3 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:48:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 148.0E6 | 901.0E6 | 51.883 | 53.144 |
| 28) | SA Decachlor... | 9.073 | 8.072 | 191.2E6 | 943.0E6 | 48.693 | 47.701 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.000 | 3.394 | 304.7E6 | 1380.2E6 | 52.275 | 51.505 |
| 3) | MA gamma-BHC... | 4.331 | 3.728 | 289.1E6 | 1264.7E6 | 51.802 | 51.083m |
| 4) | MA Heptachlor | 4.930 | 4.083 | 273.7E6 | 1226.8E6 | 50.196 | 48.995 |
| 5) | MB Aldrin | 5.272 | 4.369 | 274.6E6 | 1238.1E6 | 51.685 | 51.126 |
| 6) | B beta-BHC | 4.516 | 4.026 | 110.1E6 | 531.8E6 | 49.903 | 49.491 |
| 7) | B delta-BHC | 4.765 | 4.263 | 277.1E6 | 1259.5E6 | 53.989 | 50.637 |
| 8) | B Heptachlo... | 5.691 | 4.871 | 241.0E6 | 1111.0E6 | 49.950 | 50.733m |
| 9) | A Endosulfan I | 6.075 | 5.245 | 228.0E6 | 1038.3E6 | 50.576 | 49.818m |
| 10) | B gamma-Chl... | 5.947 | 5.124 | 244.0E6 | 1182.2E6 | 50.961 | 49.416m |
| 11) | B alpha-Chl... | 6.028 | 5.189 | 243.1E6 | 1139.0E6 | 50.237 | 49.746m |
| 12) | B 4,4'-DDE | 6.196 | 5.375 | 214.7E6 | 1151.6E6 | 49.239 | 50.252 |
| 13) | MA Dieldrin | 6.348 | 5.511 | 240.8E6 | 1162.8E6 | 50.194 | 50.101m |
| 14) | MA Endrin | 6.574 | 5.789 | 194.8E6 | 1095.3E6 | 47.216 | 50.441 |
| 15) | B Endosulfa... | 6.787 | 6.080 | 199.6E6 | 994.4E6 | 49.447 | 49.234 |
| 16) | A 4,4'-DDD | 6.706 | 5.930 | 177.8E6 | 919.2E6 | 51.810 | 48.050 |
| 17) | MA 4,4'-DDT | 7.021 | 6.183 | 167.3E6 | 894.8E6 | 44.174 | 44.124 |
| 18) | B Endrin al... | 6.916 | 6.258 | 148.1E6 | 730.8E6 | 48.353 | 47.728 |
| 19) | B Endosulfa... | 7.150 | 6.482 | 185.4E6 | 953.6E6 | 48.310 | 48.600 |
| 20) | A Methoxychlor | 7.493 | 6.754 | 101.4E6 | 549.5E6 | 50.180 | 51.028 |
| 21) | B Endrin ke... | 7.630 | 6.991 | 200.1E6 | 1063.0E6 | 49.127 | 49.211 |
| 22) | Mirex | 8.114 | 7.184 | 144.8E6 | 791.1E6 | 47.644 | 47.430 |

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

Sample Results: **PD089277.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

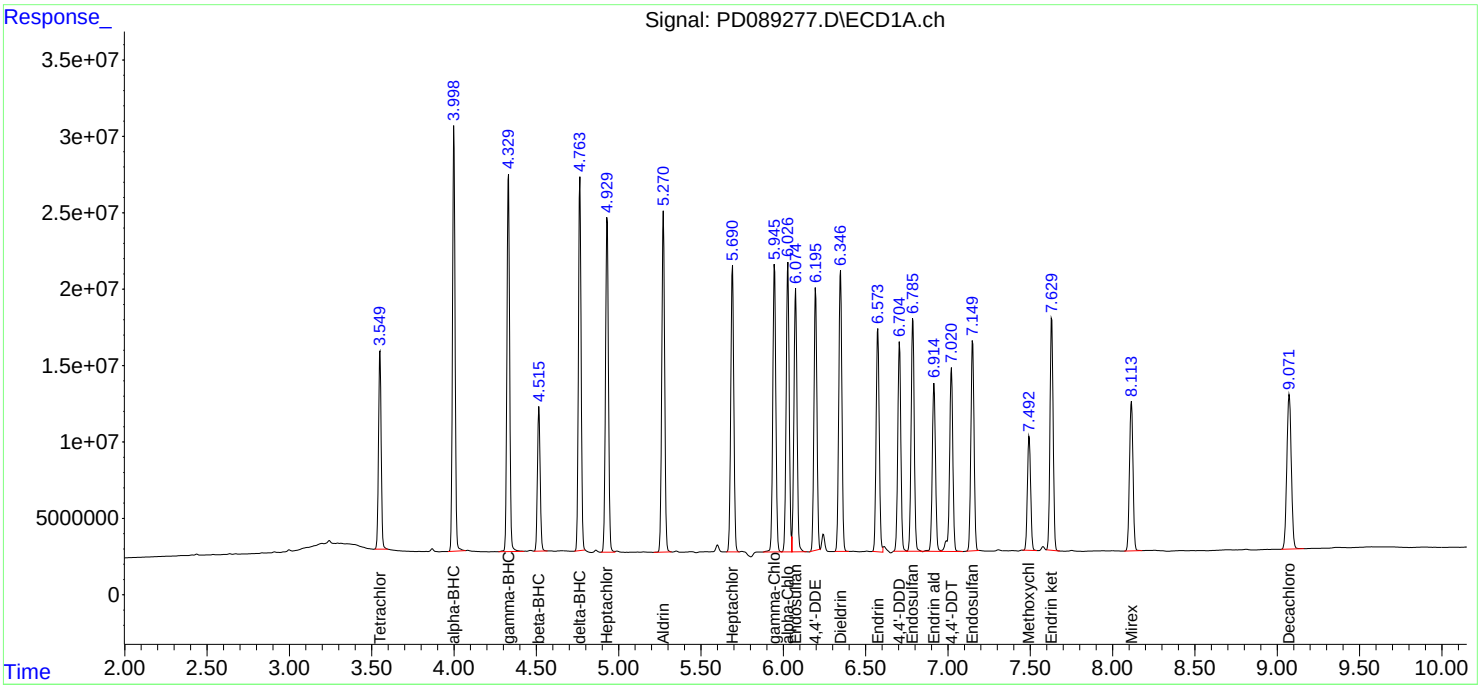
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

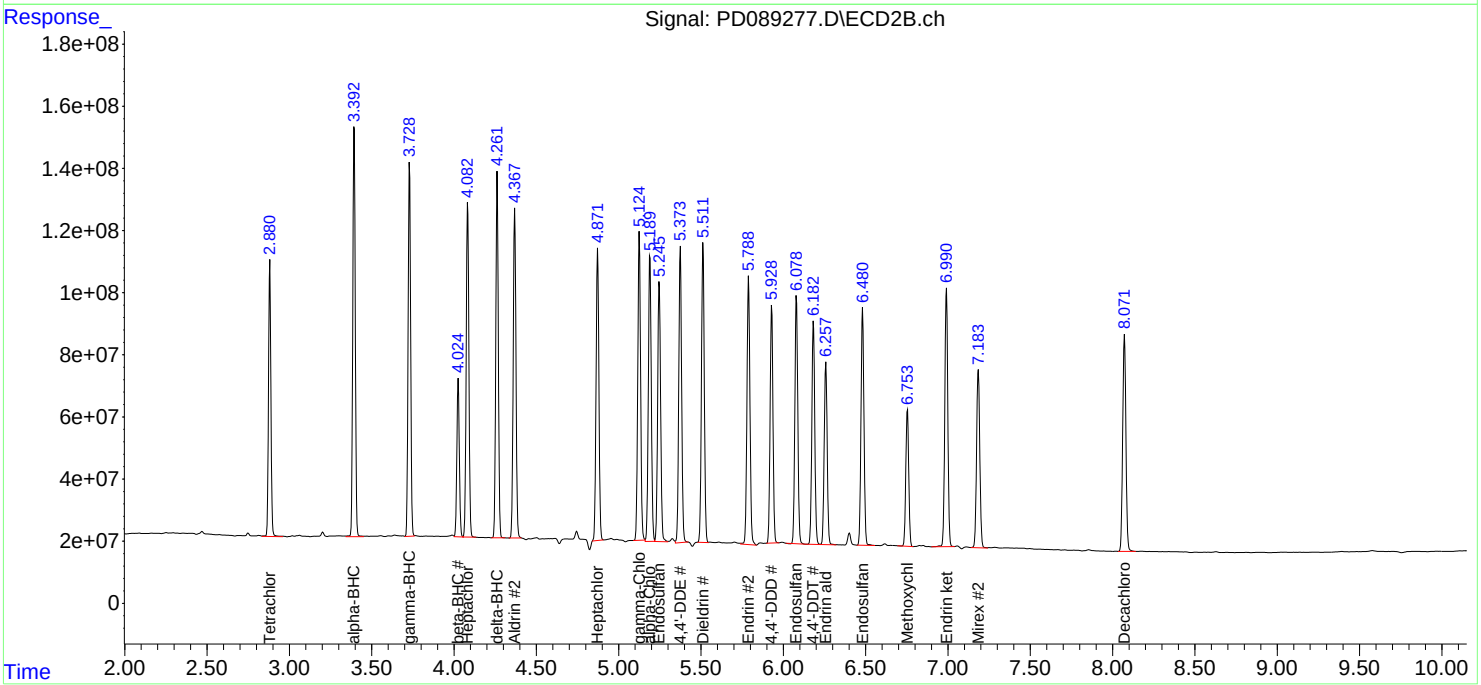
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:48:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089289.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 19:34 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.07 | 8.97 | 9.17 | 0.00 |
| Tetrachloro-m-xylene | 3.55 | 3.55 | 3.45 | 3.65 | 0.00 |
| alpha-BHC | 4.00 | 4.00 | 3.90 | 4.10 | 0.00 |
| beta-BHC | 4.52 | 4.52 | 4.42 | 4.62 | 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 | 0.00 |
| Heptachlor | 4.93 | 4.93 | 4.83 | 5.03 | 0.00 |
| Aldrin | 5.27 | 5.27 | 5.17 | 5.37 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.59 | 5.79 | 0.00 |
| Endosulfan I | 6.08 | 6.08 | 5.98 | 6.18 | 0.01 |
| Dieldrin | 6.35 | 6.35 | 6.25 | 6.45 | 0.00 |
| 4,4'-DDE | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |
| Endrin | 6.58 | 6.58 | 6.48 | 6.68 | 0.01 |
| Endosulfan II | 6.79 | 6.79 | 6.69 | 6.89 | 0.00 |
| 4,4'-DDD | 6.71 | 6.71 | 6.61 | 6.81 | 0.01 |
| 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 | 6.92 | 6.92 | 6.82 | 7.02 | 0.01 |
| alpha-Chlordane | 6.03 | 6.03 | 5.93 | 6.13 | 0.00 |
| gamma-Chlordane | 5.95 | 5.95 | 5.85 | 6.05 | 0.00 |

Raw Data: **PD089289.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 19:34 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.07 | 8.07 | 7.97 | 8.17 | 0.00 |
| Tetrachloro-m-xylene | 2.88 | 2.88 | 2.78 | 2.98 | 0.00 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.00 |
| beta-BHC | 4.03 | 4.03 | 3.93 | 4.13 | 0.00 |
| delta-BHC | 4.26 | 4.26 | 4.16 | 4.36 | 0.00 |
| gamma-BHC (Lindane) | 3.73 | 3.73 | 3.63 | 3.83 | 0.00 |
| Heptachlor | 4.08 | 4.08 | 3.98 | 4.18 | 0.00 |
| Aldrin | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Heptachlor epoxide | 4.87 | 4.87 | 4.77 | 4.97 | 0.00 |
| Endosulfan I | 5.25 | 5.25 | 5.15 | 5.35 | 0.00 |
| Dieldrin | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| 4,4'-DDE | 5.38 | 5.38 | 5.28 | 5.48 | 0.00 |
| Endrin | 5.79 | 5.79 | 5.69 | 5.89 | 0.00 |
| Endosulfan II | 6.08 | 6.08 | 5.98 | 6.18 | 0.00 |
| 4,4'-DDD | 5.93 | 5.93 | 5.83 | 6.03 | 0.00 |
| Endosulfan sulfate | 6.48 | 6.48 | 6.38 | 6.58 | 0.00 |
| 4,4'-DDT | 6.18 | 6.18 | 6.08 | 6.28 | 0.00 |
| Methoxychlor | 6.75 | 6.76 | 6.66 | 6.86 | 0.01 |
| Endrin ketone | 6.99 | 6.99 | 6.89 | 7.09 | 0.00 |
| Endrin aldehyde | 6.26 | 6.26 | 6.16 | 6.36 | 0.00 |
| alpha-Chlordane | 5.19 | 5.19 | 5.09 | 5.29 | 0.00 |
| gamma-Chlordane | 5.12 | 5.13 | 5.03 | 5.23 | 0.01 |

Raw Data: **PD089289.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089289.D **Time Analyzed:** 19:34

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.705 | 6.605 | 6.805 | 50.410 | 50.000 | 0.8 |
| 4,4'-DDE | 6.196 | 6.096 | 6.296 | 48.040 | 50.000 | -3.9 |
| 4,4'-DDT | 7.021 | 6.921 | 7.121 | 42.110 | 50.000 | -15.8 |
| Aldrin | 5.271 | 5.171 | 5.371 | 50.960 | 50.000 | 1.9 |
| alpha-BHC | 3.999 | 3.899 | 4.099 | 51.940 | 50.000 | 3.9 |
| alpha-Chlordane | 6.027 | 5.927 | 6.127 | 49.270 | 50.000 | -1.5 |
| beta-BHC | 4.516 | 4.415 | 4.615 | 49.360 | 50.000 | -1.3 |
| Decachlorobiphenyl | 9.072 | 8.972 | 9.172 | 46.970 | 50.000 | -6.1 |
| delta-BHC | 4.764 | 4.664 | 4.864 | 53.460 | 50.000 | 6.9 |
| Dieldrin | 6.347 | 6.247 | 6.447 | 49.220 | 50.000 | -1.6 |
| Endosulfan I | 6.075 | 5.975 | 6.175 | 49.550 | 50.000 | -0.9 |
| Endosulfan II | 6.786 | 6.686 | 6.886 | 47.770 | 50.000 | -4.5 |
| Endosulfan sulfate | 7.149 | 7.049 | 7.249 | 46.540 | 50.000 | -6.9 |
| Endrin | 6.575 | 6.475 | 6.675 | 46.290 | 50.000 | -7.4 |
| Endrin aldehyde | 6.915 | 6.815 | 7.015 | 47.210 | 50.000 | -5.6 |
| Endrin ketone | 7.630 | 7.530 | 7.730 | 47.690 | 50.000 | -4.6 |
| gamma-BHC (Lindane) | 4.331 | 4.230 | 4.430 | 51.280 | 50.000 | 2.6 |
| gamma-Chlordane | 5.946 | 5.846 | 6.046 | 49.990 | 50.000 | 0.0 |
| Heptachlor | 4.930 | 4.829 | 5.029 | 49.310 | 50.000 | -1.4 |
| Heptachlor epoxide | 5.692 | 5.591 | 5.791 | 48.920 | 50.000 | -2.2 |
| Methoxychlor | 7.493 | 7.393 | 7.593 | 48.080 | 50.000 | -3.8 |
| Tetrachloro-m-xylene | 3.550 | 3.450 | 3.650 | 51.730 | 50.000 | 3.5 |

Raw Data: **PD089289.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089289.D **Time Analyzed:** 19:34

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.930 | 5.830 | 6.030 | 46.490 | 50.000 | -7.0 |
| 4,4'-DDE | 5.375 | 5.275 | 5.475 | 48.790 | 50.000 | -2.4 |
| 4,4'-DDT | 6.183 | 6.084 | 6.284 | 41.790 | 50.000 | -16.4 |
| Aldrin | 4.369 | 4.269 | 4.469 | 49.870 | 50.000 | -0.3 |
| alpha-BHC | 3.393 | 3.293 | 3.493 | 50.900 | 50.000 | 1.8 |
| alpha-Chlordane | 5.190 | 5.091 | 5.291 | 50.080 | 50.000 | 0.2 |
| beta-BHC | 4.026 | 3.926 | 4.126 | 48.780 | 50.000 | -2.4 |
| Decachlorobiphenyl | 8.072 | 7.972 | 8.172 | 44.010 | 50.000 | -12.0 |
| delta-BHC | 4.262 | 4.162 | 4.362 | 49.450 | 50.000 | -1.1 |
| Dieldrin | 5.511 | 5.413 | 5.613 | 48.580 | 50.000 | -2.8 |
| Endosulfan I | 5.247 | 5.147 | 5.347 | 50.020 | 50.000 | 0.0 |
| Endosulfan II | 6.080 | 5.981 | 6.181 | 47.250 | 50.000 | -5.5 |
| Endosulfan sulfate | 6.482 | 6.383 | 6.583 | 46.320 | 50.000 | -7.4 |
| Endrin | 5.789 | 5.689 | 5.889 | 48.800 | 50.000 | -2.4 |
| Endrin aldehyde | 6.259 | 6.159 | 6.359 | 45.640 | 50.000 | -8.7 |
| Endrin ketone | 6.991 | 6.892 | 7.092 | 46.530 | 50.000 | -6.9 |
| gamma-BHC (Lindane) | 3.730 | 3.630 | 3.830 | 49.230 | 50.000 | -1.5 |
| gamma-Chlordane | 5.124 | 5.026 | 5.226 | 48.400 | 50.000 | -3.2 |
| Heptachlor | 4.083 | 3.983 | 4.183 | 47.790 | 50.000 | -4.4 |
| Heptachlor epoxide | 4.871 | 4.773 | 4.973 | 49.490 | 50.000 | -1.0 |
| Methoxychlor | 6.753 | 6.655 | 6.855 | 48.100 | 50.000 | -3.8 |
| Tetrachloro-m-xylene | 2.881 | 2.780 | 2.980 | 52.340 | 50.000 | 4.7 |

Sample Results: **PD089289.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:34
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 147.6E6 | 887.4E6 | 51.727 | 52.342 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 184.5E6 | 870.1E6 | 46.969 | 44.012 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 302.8E6 | 1363.9E6 | 51.945 | 50.897 |
| 3) | MA gamma-BHC... | 4.331 | 3.730 | 286.3E6 | 1218.8E6 | 51.284 | 49.229 |
| 4) | MA Heptachlor | 4.930 | 4.083 | 268.8E6 | 1196.6E6 | 49.306 | 47.792 |
| 5) | MB Aldrin | 5.271 | 4.369 | 270.8E6 | 1207.8E6 | 50.962 | 49.874 |
| 6) | B beta-BHC | 4.516 | 4.026 | 108.9E6 | 524.2E6 | 49.361 | 48.777 |
| 7) | B delta-BHC | 4.764 | 4.262 | 274.4E6 | 1229.9E6 | 53.464 | 49.447 |
| 8) | B Heptachlo... | 5.692 | 4.871 | 236.0E6 | 1083.7E6 | 48.922 | 49.488m |
| 9) | A Endosulfan I | 6.075 | 5.247 | 223.4E6 | 1042.5E6 | 49.554 | 50.018 |
| 10) | B gamma-Chl... | 5.946 | 5.124 | 239.4E6 | 1158.0E6 | 49.988 | 48.405m |
| 11) | B alpha-Chl... | 6.027 | 5.190 | 238.4E6 | 1146.7E6 | 49.274 | 50.080 |
| 12) | B 4,4'-DDE | 6.196 | 5.375 | 209.5E6 | 1118.1E6 | 48.037 | 48.792 |
| 13) | MA Dieldrin | 6.347 | 5.511 | 236.1E6 | 1127.4E6 | 49.220 | 48.577m |
| 14) | MA Endrin | 6.575 | 5.789 | 191.0E6 | 1059.5E6 | 46.291 | 48.795 |
| 15) | B Endosulfa... | 6.786 | 6.080 | 192.8E6 | 954.4E6 | 47.772 | 47.253 |
| 16) | A 4,4'-DDD | 6.705 | 5.930 | 173.0E6 | 889.3E6 | 50.409 | 46.487 |
| 17) | MA 4,4'-DDT | 7.021 | 6.183 | 159.5E6 | 847.5E6 | 42.105 | 41.791 |
| 18) | B Endrin al... | 6.915 | 6.259 | 144.7E6 | 698.9E6 | 47.211 | 45.644 |
| 19) | B Endosulfa... | 7.149 | 6.482 | 178.6E6 | 908.8E6 | 46.536 | 46.315 |
| 20) | A Methoxychlor | 7.493 | 6.753 | 97144839 | 518.0E6 | 48.077 | 48.105 |
| 21) | B Endrin ke... | 7.630 | 6.991 | 194.2E6 | 1005.1E6 | 47.688 | 46.528 |
| 22) | Mirex | 8.113 | 7.185 | 137.8E6 | 767.5E6 | 45.326 | 46.019 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:34
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

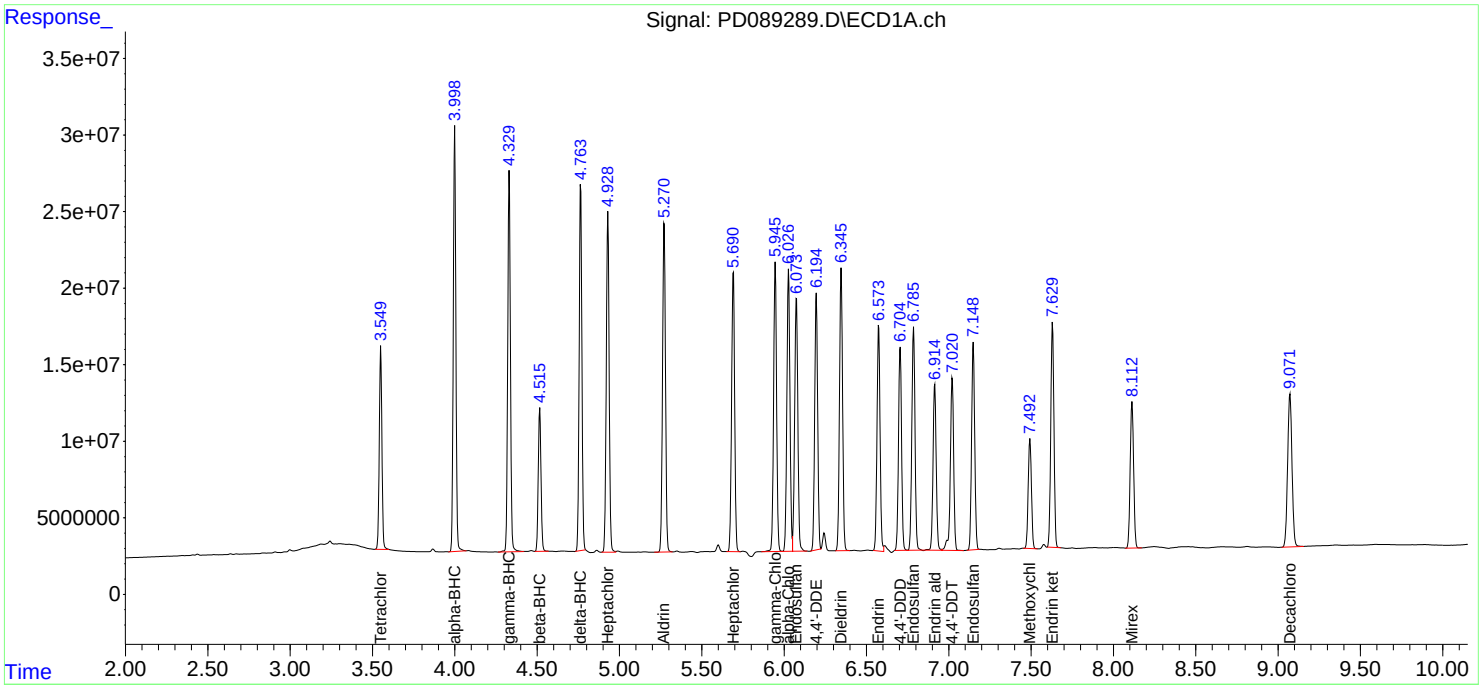
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

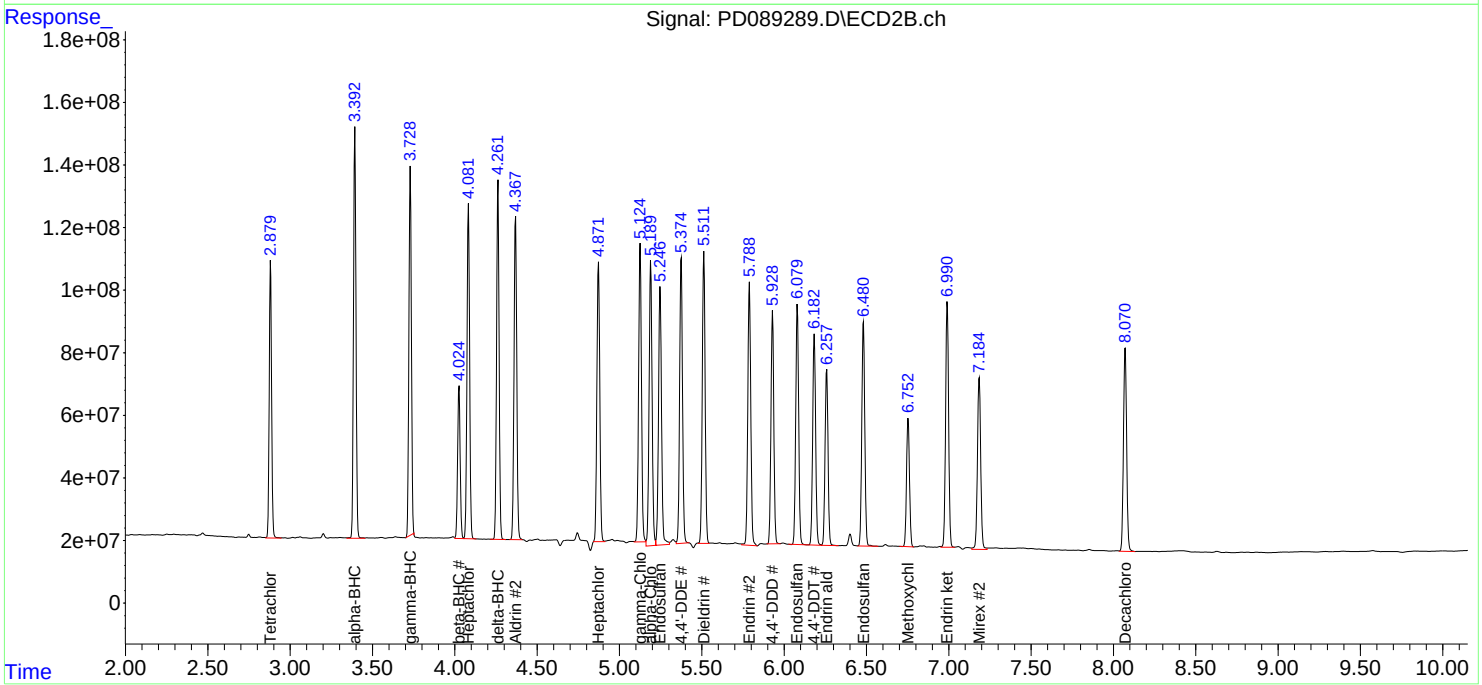
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089299.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 22:59 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.07 | 8.97 | 9.17 | 0.00 |
| Tetrachloro-m-xylene | 3.55 | 3.55 | 3.45 | 3.65 | 0.00 |
| alpha-BHC | 4.00 | 4.00 | 3.90 | 4.10 | 0.00 |
| beta-BHC | 4.52 | 4.52 | 4.42 | 4.62 | 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 | 0.00 |
| Heptachlor | 4.93 | 4.93 | 4.83 | 5.03 | 0.00 |
| Aldrin | 5.27 | 5.27 | 5.17 | 5.37 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.59 | 5.79 | 0.00 |
| Endosulfan I | 6.07 | 6.08 | 5.98 | 6.18 | 0.01 |
| Dieldrin | 6.35 | 6.35 | 6.25 | 6.45 | 0.00 |
| 4,4'-DDE | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |
| Endrin | 6.57 | 6.58 | 6.48 | 6.68 | 0.01 |
| Endosulfan II | 6.79 | 6.79 | 6.69 | 6.89 | 0.00 |
| 4,4'-DDD | 6.71 | 6.71 | 6.61 | 6.81 | 0.01 |
| 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 | 6.92 | 6.92 | 6.82 | 7.02 | 0.01 |
| alpha-Chlordane | 6.03 | 6.03 | 5.93 | 6.13 | 0.00 |
| gamma-Chlordane | 5.95 | 5.95 | 5.85 | 6.05 | 0.00 |

Raw Data: **PD089299.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/01/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 22:59 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.07 | 8.07 | 7.97 | 8.17 | 0.00 |
| Tetrachloro-m-xylene | 2.88 | 2.88 | 2.78 | 2.98 | 0.00 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.00 |
| beta-BHC | 4.03 | 4.03 | 3.93 | 4.13 | 0.00 |
| delta-BHC | 4.26 | 4.26 | 4.16 | 4.36 | 0.00 |
| gamma-BHC (Lindane) | 3.73 | 3.73 | 3.63 | 3.83 | 0.00 |
| Heptachlor | 4.08 | 4.08 | 3.98 | 4.18 | 0.00 |
| Aldrin | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Heptachlor epoxide | 4.87 | 4.87 | 4.77 | 4.97 | 0.00 |
| Endosulfan I | 5.25 | 5.25 | 5.15 | 5.35 | 0.00 |
| Dieldrin | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| 4,4'-DDE | 5.38 | 5.38 | 5.28 | 5.48 | 0.00 |
| Endrin | 5.79 | 5.79 | 5.69 | 5.89 | 0.00 |
| Endosulfan II | 6.08 | 6.08 | 5.98 | 6.18 | 0.00 |
| 4,4'-DDD | 5.93 | 5.93 | 5.83 | 6.03 | 0.00 |
| Endosulfan sulfate | 6.48 | 6.48 | 6.38 | 6.58 | 0.00 |
| 4,4'-DDT | 6.18 | 6.18 | 6.08 | 6.28 | 0.00 |
| Methoxychlor | 6.75 | 6.76 | 6.66 | 6.86 | 0.01 |
| Endrin ketone | 6.99 | 6.99 | 6.89 | 7.09 | 0.00 |
| Endrin aldehyde | 6.26 | 6.26 | 6.16 | 6.36 | 0.00 |
| alpha-Chlordane | 5.19 | 5.19 | 5.09 | 5.29 | 0.00 |
| gamma-Chlordane | 5.13 | 5.13 | 5.03 | 5.23 | 0.00 |

Raw Data: **PD089299.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089299.D **Time Analyzed:** 22:59

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.705 | 6.605 | 6.805 | 49.240 | 50.000 | -1.5 |
| 4,4'-DDE | 6.196 | 6.096 | 6.296 | 47.280 | 50.000 | -5.4 |
| 4,4'-DDT | 7.021 | 6.921 | 7.121 | 40.210 | 50.000 | -19.6 |
| Aldrin | 5.271 | 5.171 | 5.371 | 50.470 | 50.000 | 0.9 |
| alpha-BHC | 4.000 | 3.899 | 4.099 | 51.690 | 50.000 | 3.4 |
| alpha-Chlordane | 6.027 | 5.927 | 6.127 | 48.830 | 50.000 | -2.3 |
| beta-BHC | 4.516 | 4.415 | 4.615 | 49.400 | 50.000 | -1.2 |
| Decachlorobiphenyl | 9.073 | 8.972 | 9.172 | 45.290 | 50.000 | -9.4 |
| delta-BHC | 4.764 | 4.664 | 4.864 | 53.160 | 50.000 | 6.3 |
| Dieldrin | 6.347 | 6.247 | 6.447 | 48.690 | 50.000 | -2.6 |
| Endosulfan I | 6.074 | 5.975 | 6.175 | 48.840 | 50.000 | -2.3 |
| Endosulfan II | 6.786 | 6.686 | 6.886 | 46.800 | 50.000 | -6.4 |
| Endosulfan sulfate | 7.150 | 7.049 | 7.249 | 45.830 | 50.000 | -8.3 |
| Endrin | 6.574 | 6.475 | 6.675 | 44.690 | 50.000 | -10.6 |
| Endrin aldehyde | 6.915 | 6.815 | 7.015 | 45.270 | 50.000 | -9.5 |
| Endrin ketone | 7.630 | 7.530 | 7.730 | 46.190 | 50.000 | -7.6 |
| gamma-BHC (Lindane) | 4.330 | 4.230 | 4.430 | 51.150 | 50.000 | 2.3 |
| gamma-Chlordane | 5.946 | 5.846 | 6.046 | 49.870 | 50.000 | -0.3 |
| Heptachlor | 4.930 | 4.829 | 5.029 | 48.000 | 50.000 | -4.0 |
| Heptachlor epoxide | 5.690 | 5.591 | 5.791 | 48.490 | 50.000 | -3.0 |
| Methoxychlor | 7.493 | 7.393 | 7.593 | 45.780 | 50.000 | -8.4 |
| Tetrachloro-m-xylene | 3.550 | 3.450 | 3.650 | 51.450 | 50.000 | 2.9 |

Raw Data: **PD089299.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 07/01/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089299.D **Time Analyzed:** 22:59

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.929 | 5.830 | 6.030 | 48.080 | 50.000 | -3.8 |
| 4,4'-DDE | 5.375 | 5.275 | 5.475 | 48.280 | 50.000 | -3.4 |
| 4,4'-DDT | 6.182 | 6.084 | 6.284 | 40.910 | 50.000 | -18.2 |
| Aldrin | 4.368 | 4.269 | 4.469 | 50.130 | 50.000 | 0.3 |
| alpha-BHC | 3.393 | 3.293 | 3.493 | 50.710 | 50.000 | 1.4 |
| alpha-Chlordane | 5.189 | 5.091 | 5.291 | 48.800 | 50.000 | -2.4 |
| beta-BHC | 4.025 | 3.926 | 4.126 | 48.630 | 50.000 | -2.7 |
| Decachlorobiphenyl | 8.071 | 7.972 | 8.172 | 41.860 | 50.000 | -16.3 |
| delta-BHC | 4.262 | 4.162 | 4.362 | 49.480 | 50.000 | -1.0 |
| Dieldrin | 5.511 | 5.413 | 5.613 | 48.470 | 50.000 | -3.1 |
| Endosulfan I | 5.246 | 5.147 | 5.347 | 48.840 | 50.000 | -2.3 |
| Endosulfan II | 6.080 | 5.981 | 6.181 | 47.030 | 50.000 | -5.9 |
| Endosulfan sulfate | 6.481 | 6.383 | 6.583 | 45.240 | 50.000 | -9.5 |
| Endrin | 5.789 | 5.689 | 5.889 | 48.700 | 50.000 | -2.6 |
| Endrin aldehyde | 6.258 | 6.159 | 6.359 | 45.360 | 50.000 | -9.3 |
| Endrin ketone | 6.990 | 6.892 | 7.092 | 45.230 | 50.000 | -9.5 |
| gamma-BHC (Lindane) | 3.729 | 3.630 | 3.830 | 48.650 | 50.000 | -2.7 |
| gamma-Chlordane | 5.125 | 5.026 | 5.226 | 49.370 | 50.000 | -1.3 |
| Heptachlor | 4.082 | 3.983 | 4.183 | 47.260 | 50.000 | -5.5 |
| Heptachlor epoxide | 4.872 | 4.773 | 4.973 | 51.730 | 50.000 | 3.5 |
| Methoxychlor | 6.753 | 6.655 | 6.855 | 46.030 | 50.000 | -7.9 |
| Tetrachloro-m-xylene | 2.881 | 2.780 | 2.980 | 52.440 | 50.000 | 4.9 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 22:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.550 | 2.881 | 146.8E6 | 889.0E6 | 51.446 | 52.441 |
| 28) SA | Decachlor... | 9.073 | 8.071 | 177.9E6 | 827.6E6 | 45.290 | 41.860 |
| | Target Compounds | | | | | | |
| 2) A | alpha-BHC | 4.000 | 3.393 | 301.3E6 | 1358.8E6 | 51.687 | 50.705 |
| 3) MA | gamma-BHC... | 4.330 | 3.729 | 285.5E6 | 1204.4E6 | 51.154 | 48.651 |
| 4) MA | Heptachlor | 4.930 | 4.082 | 261.7E6 | 1183.4E6 | 48.000 | 47.262 |
| 5) MB | Aldrin | 5.271 | 4.368 | 268.2E6 | 1214.1E6 | 50.472 | 50.132 |
| 6) B | beta-BHC | 4.516 | 4.025 | 109.0E6 | 522.5E6 | 49.401 | 48.626 |
| 7) B | delta-BHC | 4.764 | 4.262 | 272.9E6 | 1230.8E6 | 53.164 | 49.482 |
| 8) B | Heptachlo... | 5.690 | 4.872 | 233.9E6 | 1132.8E6 | 48.492 | 51.733 |
| 9) A | Endosulfan I | 6.074 | 5.246 | 220.1E6 | 1018.0E6 | 48.836 | 48.843 |
| 10) B | gamma-Chl... | 5.946 | 5.125 | 238.8E6 | 1181.1E6 | 49.873 | 49.371 |
| 11) B | alpha-Chl... | 6.027 | 5.189 | 236.3E6 | 1117.3E6 | 48.827 | 48.797 |
| 12) B | 4,4'-DDE | 6.196 | 5.375 | 206.2E6 | 1106.5E6 | 47.276 | 48.284 |
| 13) MA | Dieldrin | 6.347 | 5.511 | 233.6E6 | 1124.9E6 | 48.687 | 48.470m |
| 14) MA | Endrin | 6.574 | 5.789 | 184.4E6 | 1057.5E6 | 44.687 | 48.703 |
| 15) B | Endosulfa... | 6.786 | 6.080 | 188.9E6 | 949.8E6 | 46.801 | 47.028 |
| 16) A | 4,4'-DDD | 6.705 | 5.929 | 169.0E6 | 919.8E6 | 49.237 | 48.081 |
| 17) MA | 4,4'-DDT | 7.021 | 6.182 | 152.3E6 | 829.6E6 | 40.212 | 40.907 |
| 18) B | Endrin al... | 6.915 | 6.258 | 138.7E6 | 694.5E6 | 45.270 | 45.358 |
| 19) B | Endosulfa... | 7.150 | 6.481 | 175.9E6 | 887.6E6 | 45.832 | 45.237 |
| 20) A | Methoxychlor | 7.493 | 6.753 | 92501875 | 495.6E6 | 45.779 | 46.027 |
| 21) B | Endrin ke... | 7.630 | 6.990 | 188.1E6 | 977.2E6 | 46.186 | 45.235 |
| 22) | Mirex | 8.114 | 7.184 | 137.0E6 | 721.0E6 | 45.048 | 43.233 |

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

Sample Results: **PD089299.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 22:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

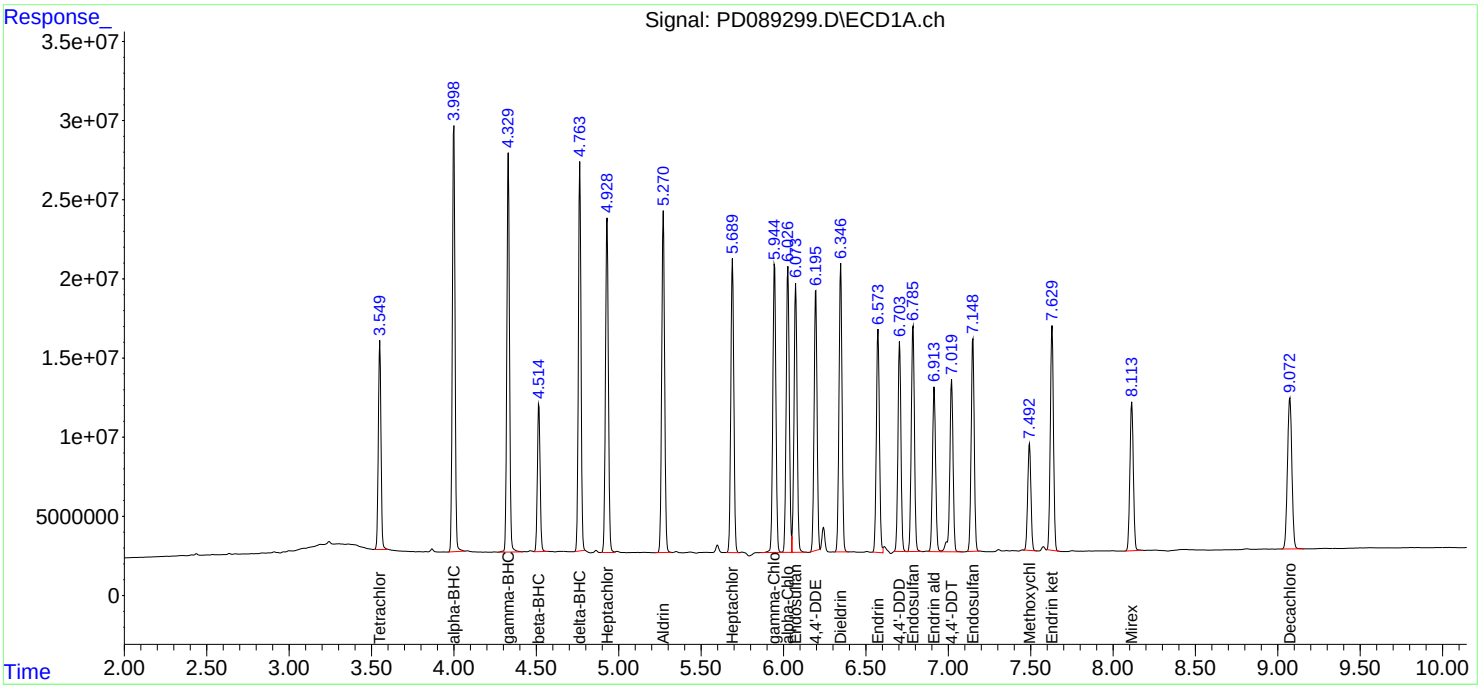
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

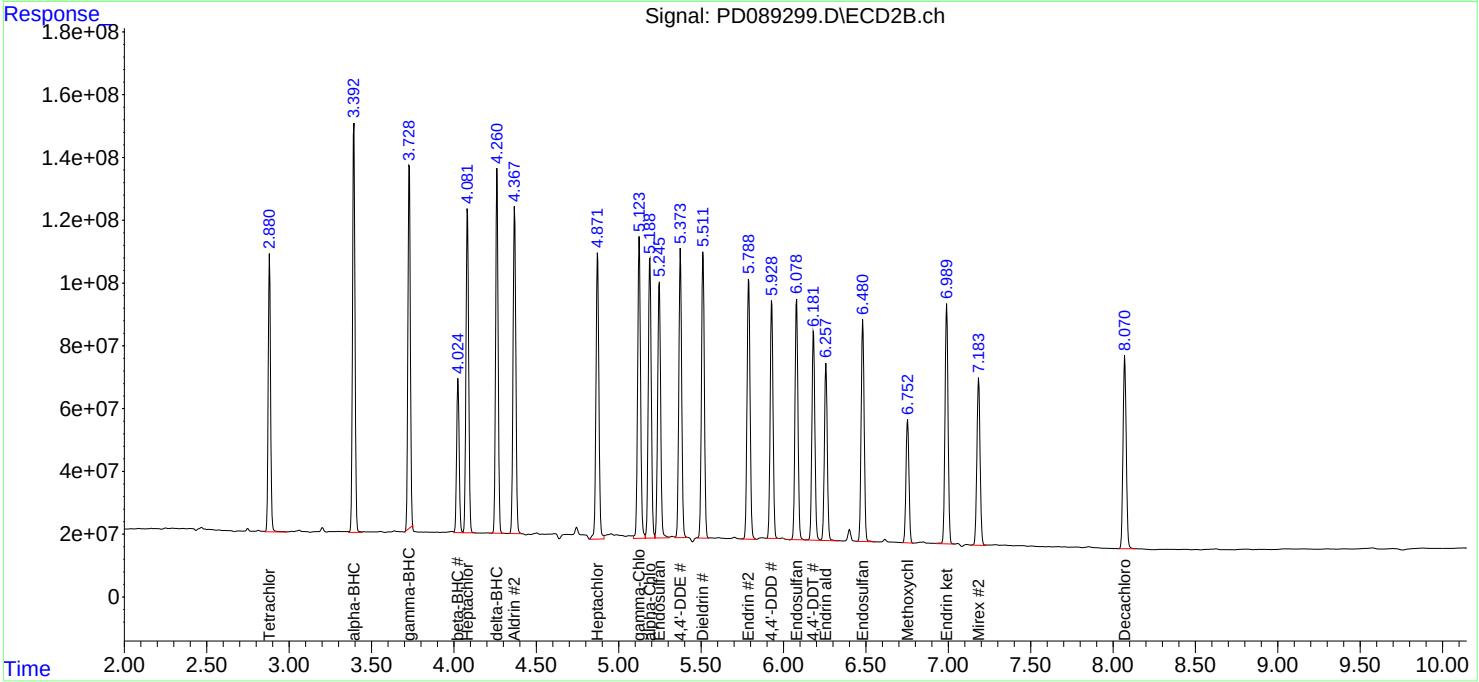
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089328.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/03/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 09:46 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.07 | 8.97 | 9.17 | 0.00 |
| Tetrachloro-m-xylene | 3.55 | 3.55 | 3.45 | 3.65 | 0.00 |
| alpha-BHC | 4.00 | 4.00 | 3.90 | 4.10 | 0.00 |
| beta-BHC | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| 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 | 4.93 | 4.83 | 5.03 | 0.00 |
| Aldrin | 5.27 | 5.27 | 5.17 | 5.37 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.59 | 5.79 | 0.00 |
| Endosulfan I | 6.08 | 6.08 | 5.98 | 6.18 | 0.01 |
| Dieldrin | 6.35 | 6.35 | 6.25 | 6.45 | 0.00 |
| 4,4'-DDE | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |
| Endrin | 6.57 | 6.58 | 6.48 | 6.68 | 0.01 |
| Endosulfan II | 6.79 | 6.79 | 6.69 | 6.89 | 0.00 |
| 4,4'-DDD | 6.71 | 6.71 | 6.61 | 6.81 | 0.01 |
| 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 | 6.92 | 6.92 | 6.82 | 7.02 | 0.01 |
| alpha-Chlordane | 6.03 | 6.03 | 5.93 | 6.13 | 0.00 |
| gamma-Chlordane | 5.95 | 5.95 | 5.85 | 6.05 | 0.00 |

Raw Data: **PD089328.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/03/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 09:46 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.07 | 8.07 | 7.97 | 8.17 | 0.00 |
| Tetrachloro-m-xylene | 2.88 | 2.88 | 2.78 | 2.98 | 0.00 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.00 |
| beta-BHC | 4.03 | 4.03 | 3.93 | 4.13 | 0.00 |
| delta-BHC | 4.26 | 4.26 | 4.16 | 4.36 | 0.00 |
| gamma-BHC (Lindane) | 3.73 | 3.73 | 3.63 | 3.83 | 0.00 |
| Heptachlor | 4.08 | 4.08 | 3.98 | 4.18 | 0.00 |
| Aldrin | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Heptachlor epoxide | 4.87 | 4.87 | 4.77 | 4.97 | 0.00 |
| Endosulfan I | 5.25 | 5.25 | 5.15 | 5.35 | 0.00 |
| Dieldrin | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| 4,4'-DDE | 5.37 | 5.38 | 5.28 | 5.48 | 0.01 |
| Endrin | 5.79 | 5.79 | 5.69 | 5.89 | 0.00 |
| Endosulfan II | 6.08 | 6.08 | 5.98 | 6.18 | 0.00 |
| 4,4'-DDD | 5.93 | 5.93 | 5.83 | 6.03 | 0.00 |
| Endosulfan sulfate | 6.48 | 6.48 | 6.38 | 6.58 | 0.00 |
| 4,4'-DDT | 6.18 | 6.18 | 6.08 | 6.28 | 0.00 |
| Methoxychlor | 6.75 | 6.76 | 6.66 | 6.86 | 0.01 |
| Endrin ketone | 6.99 | 6.99 | 6.89 | 7.09 | 0.00 |
| Endrin aldehyde | 6.26 | 6.26 | 6.16 | 6.36 | 0.00 |
| alpha-Chlordane | 5.19 | 5.19 | 5.09 | 5.29 | 0.00 |
| gamma-Chlordane | 5.12 | 5.13 | 5.03 | 5.23 | 0.01 |

Raw Data: **PD089328.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 07/03/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089328.D **Time Analyzed:** 09:46

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.705 | 6.605 | 6.805 | 54.350 | 50.000 | 8.7 |
| 4,4'-DDE | 6.196 | 6.096 | 6.296 | 51.990 | 50.000 | 4.0 |
| 4,4'-DDT | 7.021 | 6.921 | 7.121 | 43.940 | 50.000 | -12.1 |
| Aldrin | 5.271 | 5.171 | 5.371 | 55.520 | 50.000 | 11.0 |
| alpha-BHC | 4.000 | 3.899 | 4.099 | 56.340 | 50.000 | 12.7 |
| alpha-Chlordane | 6.027 | 5.927 | 6.127 | 54.210 | 50.000 | 8.4 |
| beta-BHC | 4.516 | 4.415 | 4.615 | 53.430 | 50.000 | 6.9 |
| Decachlorobiphenyl | 9.073 | 8.972 | 9.172 | 46.920 | 50.000 | -6.2 |
| delta-BHC | 4.765 | 4.664 | 4.864 | 58.070 | 50.000 | 16.1 |
| Dieldrin | 6.347 | 6.247 | 6.447 | 54.110 | 50.000 | 8.2 |
| Endosulfan I | 6.075 | 5.975 | 6.175 | 54.180 | 50.000 | 8.4 |
| Endosulfan II | 6.786 | 6.686 | 6.886 | 51.490 | 50.000 | 3.0 |
| Endosulfan sulfate | 7.150 | 7.049 | 7.249 | 49.420 | 50.000 | -1.2 |
| Endrin | 6.574 | 6.475 | 6.675 | 49.350 | 50.000 | -1.3 |
| Endrin aldehyde | 6.915 | 6.815 | 7.015 | 49.610 | 50.000 | -0.8 |
| Endrin ketone | 7.630 | 7.530 | 7.730 | 49.570 | 50.000 | -0.9 |
| gamma-BHC (Lindane) | 4.331 | 4.230 | 4.430 | 55.920 | 50.000 | 11.8 |
| gamma-Chlordane | 5.946 | 5.846 | 6.046 | 55.190 | 50.000 | 10.4 |
| Heptachlor | 4.930 | 4.829 | 5.029 | 52.740 | 50.000 | 5.5 |
| Heptachlor epoxide | 5.691 | 5.591 | 5.791 | 53.220 | 50.000 | 6.4 |
| Methoxychlor | 7.493 | 7.393 | 7.593 | 49.780 | 50.000 | -0.4 |
| Tetrachloro-m-xylene | 3.550 | 3.450 | 3.650 | 55.630 | 50.000 | 11.3 |

Raw Data: **PD089328.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 07/03/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089328.D **Time Analyzed:** 09:46

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.929 | 5.830 | 6.030 | 52.750 | 50.000 | 5.5 |
| 4,4'-DDE | 5.374 | 5.275 | 5.475 | 52.830 | 50.000 | 5.7 |
| 4,4'-DDT | 6.183 | 6.084 | 6.284 | 44.690 | 50.000 | -10.6 |
| Aldrin | 4.368 | 4.269 | 4.469 | 54.130 | 50.000 | 8.3 |
| alpha-BHC | 3.393 | 3.293 | 3.493 | 55.810 | 50.000 | 11.6 |
| alpha-Chlordane | 5.189 | 5.091 | 5.291 | 53.210 | 50.000 | 6.4 |
| beta-BHC | 4.025 | 3.926 | 4.126 | 51.100 | 50.000 | 2.2 |
| Decachlorobiphenyl | 8.072 | 7.972 | 8.172 | 44.450 | 50.000 | -11.1 |
| delta-BHC | 4.261 | 4.162 | 4.362 | 53.310 | 50.000 | 6.6 |
| Dieldrin | 5.511 | 5.413 | 5.613 | 53.310 | 50.000 | 6.6 |
| Endosulfan I | 5.246 | 5.147 | 5.347 | 53.080 | 50.000 | 6.2 |
| Endosulfan II | 6.080 | 5.981 | 6.181 | 51.600 | 50.000 | 3.2 |
| Endosulfan sulfate | 6.482 | 6.383 | 6.583 | 49.050 | 50.000 | -1.9 |
| Endrin | 5.789 | 5.689 | 5.889 | 54.650 | 50.000 | 9.3 |
| Endrin aldehyde | 6.258 | 6.159 | 6.359 | 49.950 | 50.000 | -0.1 |
| Endrin ketone | 6.990 | 6.892 | 7.092 | 48.890 | 50.000 | -2.2 |
| gamma-BHC (Lindane) | 3.728 | 3.630 | 3.830 | 54.280 | 50.000 | 8.6 |
| gamma-Chlordane | 5.123 | 5.026 | 5.226 | 52.410 | 50.000 | 4.8 |
| Heptachlor | 4.082 | 3.983 | 4.183 | 50.420 | 50.000 | 0.8 |
| Heptachlor epoxide | 4.872 | 4.773 | 4.973 | 56.110 | 50.000 | 12.2 |
| Methoxychlor | 6.754 | 6.655 | 6.855 | 49.550 | 50.000 | -0.9 |
| Tetrachloro-m-xylene | 2.881 | 2.780 | 2.980 | 57.330 | 50.000 | 14.7 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 09:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 158.7E6 | 971.8E6 | 55.633 | 57.326 |
| 28) | SA Decachlor... | 9.073 | 8.072 | 184.3E6 | 878.8E6 | 46.924 | 44.451 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.000 | 3.393 | 328.4E6 | 1495.5E6 | 56.340 | 55.809 |
| 3) | MA gamma-BHC... | 4.331 | 3.728 | 312.1E6 | 1343.7E6 | 55.916 | 54.276m |
| 4) | MA Heptachlor | 4.930 | 4.082 | 287.5E6 | 1262.3E6 | 52.736 | 50.416 |
| 5) | MB Aldrin | 5.271 | 4.368 | 295.0E6 | 1310.9E6 | 55.520 | 54.132 |
| 6) | B beta-BHC | 4.516 | 4.025 | 117.9E6 | 549.1E6 | 53.431 | 51.099 |
| 7) | B delta-BHC | 4.765 | 4.261 | 298.1E6 | 1325.9E6 | 58.071 | 53.307 |
| 8) | B Heptachlo... | 5.691 | 4.872 | 256.7E6 | 1228.7E6 | 53.216 | 56.111 |
| 9) | A Endosulfan I | 6.075 | 5.246 | 244.2E6 | 1106.3E6 | 54.183 | 53.078 |
| 10) | B gamma-Chl... | 5.946 | 5.123 | 264.2E6 | 1253.8E6 | 55.187 | 52.409m |
| 11) | B alpha-Chl... | 6.027 | 5.189 | 262.3E6 | 1218.3E6 | 54.214 | 53.210 |
| 12) | B 4,4'-DDE | 6.196 | 5.374 | 226.7E6 | 1210.6E6 | 51.990 | 52.826 |
| 13) | MA Dieldrin | 6.347 | 5.511 | 259.6E6 | 1237.2E6 | 54.113 | 53.308m |
| 14) | MA Endrin | 6.574 | 5.789 | 203.6E6 | 1186.6E6 | 49.348 | 54.648 |
| 15) | B Endosulfa... | 6.786 | 6.080 | 207.8E6 | 1042.1E6 | 51.485 | 51.597 |
| 16) | A 4,4'-DDD | 6.705 | 5.929 | 186.5E6 | 1009.1E6 | 54.347 | 52.753 |
| 17) | MA 4,4'-DDT | 7.021 | 6.183 | 166.4E6 | 906.3E6 | 43.936 | 44.691 |
| 18) | B Endrin al... | 6.915 | 6.258 | 152.0E6 | 764.8E6 | 49.611 | 49.948 |
| 19) | B Endosulfa... | 7.150 | 6.482 | 189.6E6 | 962.3E6 | 49.419 | 49.046 |
| 20) | A Methoxychlor | 7.493 | 6.754 | 100.6E6 | 533.6E6 | 49.778 | 49.551 |
| 21) | B Endrin ke... | 7.630 | 6.990 | 201.9E6 | 1056.2E6 | 49.575 | 48.893 |
| 22) | Mirex | 8.114 | 7.185 | 144.4E6 | 787.7E6 | 47.482 | 47.230 |

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

Sample Results: **PD089328.D**

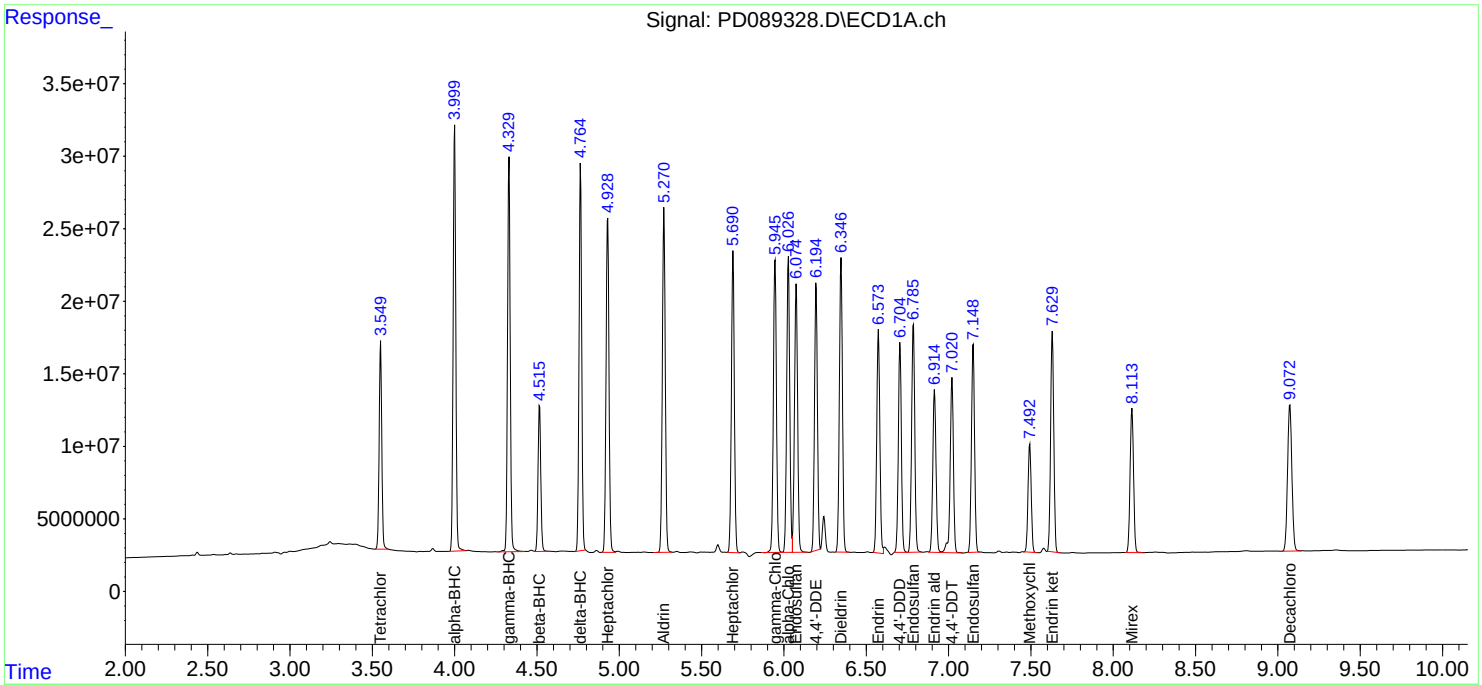
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 09:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

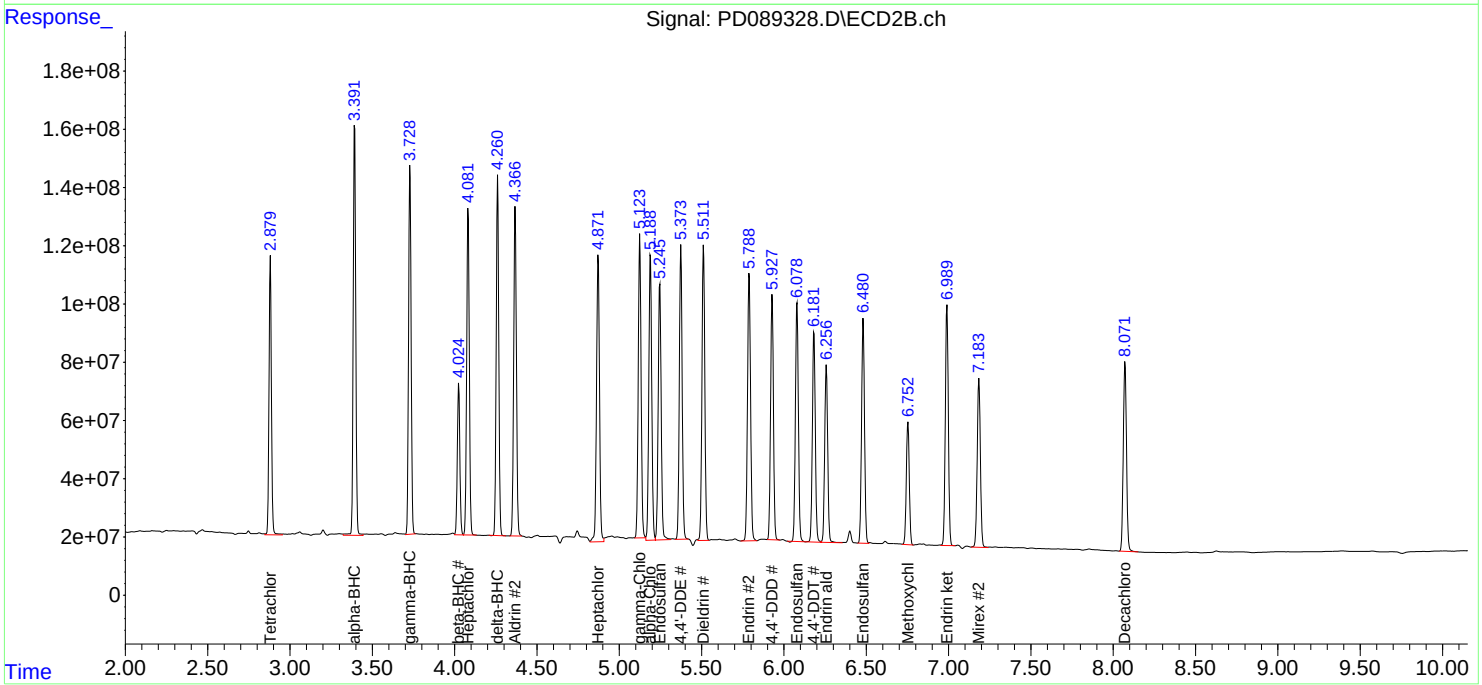
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089338.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/03/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 16:02 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.07 | 8.97 | 9.17 | 0.00 |
| Tetrachloro-m-xylene | 3.55 | 3.55 | 3.45 | 3.65 | 0.00 |
| alpha-BHC | 4.00 | 4.00 | 3.90 | 4.10 | 0.00 |
| beta-BHC | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| 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 | 4.93 | 4.83 | 5.03 | 0.00 |
| Aldrin | 5.27 | 5.27 | 5.17 | 5.37 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.59 | 5.79 | 0.00 |
| Endosulfan I | 6.08 | 6.08 | 5.98 | 6.18 | 0.01 |
| Dieldrin | 6.35 | 6.35 | 6.25 | 6.45 | 0.00 |
| 4,4'-DDE | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |
| Endrin | 6.58 | 6.58 | 6.48 | 6.68 | 0.01 |
| Endosulfan II | 6.79 | 6.79 | 6.69 | 6.89 | 0.00 |
| 4,4'-DDD | 6.71 | 6.71 | 6.61 | 6.81 | 0.00 |
| Endosulfan sulfate | 7.15 | 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 | 6.92 | 6.92 | 6.82 | 7.02 | 0.00 |
| alpha-Chlordane | 6.03 | 6.03 | 5.93 | 6.13 | 0.00 |
| gamma-Chlordane | 5.95 | 5.95 | 5.85 | 6.05 | 0.00 |

Raw Data: **PD089338.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Continuing Calib Date:** 07/03/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 16:02 **Initial Calibration Time(s):** 15:52 16:47

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.07 | 8.07 | 7.97 | 8.17 | 0.00 |
| Tetrachloro-m-xylene | 2.88 | 2.88 | 2.78 | 2.98 | 0.00 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.00 |
| beta-BHC | 4.03 | 4.03 | 3.93 | 4.13 | 0.00 |
| delta-BHC | 4.26 | 4.26 | 4.16 | 4.36 | 0.00 |
| gamma-BHC (Lindane) | 3.73 | 3.73 | 3.63 | 3.83 | 0.00 |
| Heptachlor | 4.08 | 4.08 | 3.98 | 4.18 | 0.00 |
| Aldrin | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Heptachlor epoxide | 4.87 | 4.87 | 4.77 | 4.97 | 0.00 |
| Endosulfan I | 5.25 | 5.25 | 5.15 | 5.35 | 0.00 |
| Dieldrin | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| 4,4'-DDE | 5.38 | 5.38 | 5.28 | 5.48 | 0.00 |
| Endrin | 5.79 | 5.79 | 5.69 | 5.89 | 0.00 |
| Endosulfan II | 6.08 | 6.08 | 5.98 | 6.18 | 0.00 |
| 4,4'-DDD | 5.93 | 5.93 | 5.83 | 6.03 | 0.00 |
| Endosulfan sulfate | 6.48 | 6.48 | 6.38 | 6.58 | 0.00 |
| 4,4'-DDT | 6.18 | 6.18 | 6.08 | 6.28 | 0.00 |
| Methoxychlor | 6.75 | 6.76 | 6.66 | 6.86 | 0.01 |
| Endrin ketone | 6.99 | 6.99 | 6.89 | 7.09 | 0.00 |
| Endrin aldehyde | 6.26 | 6.26 | 6.16 | 6.36 | 0.00 |
| alpha-Chlordane | 5.19 | 5.19 | 5.09 | 5.29 | 0.00 |
| gamma-Chlordane | 5.13 | 5.13 | 5.03 | 5.23 | 0.00 |

Raw Data: **PD089338.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 07/03/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089338.D **Time Analyzed:** 16:02

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.706 | 6.605 | 6.805 | 54.570 | 50.000 | 9.1 |
| 4,4'-DDE | 6.196 | 6.096 | 6.296 | 50.560 | 50.000 | 1.1 |
| 4,4'-DDT | 7.022 | 6.921 | 7.121 | 44.490 | 50.000 | -11.0 |
| Aldrin | 5.271 | 5.171 | 5.371 | 54.740 | 50.000 | 9.5 |
| alpha-BHC | 4.000 | 3.899 | 4.099 | 55.900 | 50.000 | 11.8 |
| alpha-Chlordane | 6.027 | 5.927 | 6.127 | 52.800 | 50.000 | 5.6 |
| beta-BHC | 4.516 | 4.415 | 4.615 | 52.760 | 50.000 | 5.5 |
| Decachlorobiphenyl | 9.074 | 8.972 | 9.172 | 46.330 | 50.000 | -7.3 |
| delta-BHC | 4.765 | 4.664 | 4.864 | 57.140 | 50.000 | 14.3 |
| Dieldrin | 6.348 | 6.247 | 6.447 | 52.530 | 50.000 | 5.1 |
| Endosulfan I | 6.075 | 5.975 | 6.175 | 52.890 | 50.000 | 5.8 |
| Endosulfan II | 6.787 | 6.686 | 6.886 | 51.760 | 50.000 | 3.5 |
| Endosulfan sulfate | 7.151 | 7.049 | 7.249 | 50.190 | 50.000 | 0.4 |
| Endrin | 6.575 | 6.475 | 6.675 | 49.270 | 50.000 | -1.5 |
| Endrin aldehyde | 6.916 | 6.815 | 7.015 | 50.280 | 50.000 | 0.6 |
| Endrin ketone | 7.632 | 7.530 | 7.730 | 50.190 | 50.000 | 0.4 |
| gamma-BHC (Lindane) | 4.331 | 4.230 | 4.430 | 55.390 | 50.000 | 10.8 |
| gamma-Chlordane | 5.947 | 5.846 | 6.046 | 53.600 | 50.000 | 7.2 |
| Heptachlor | 4.930 | 4.829 | 5.029 | 52.380 | 50.000 | 4.8 |
| Heptachlor epoxide | 5.691 | 5.591 | 5.791 | 52.180 | 50.000 | 4.4 |
| Methoxychlor | 7.494 | 7.393 | 7.593 | 50.700 | 50.000 | 1.4 |
| Tetrachloro-m-xylene | 3.551 | 3.450 | 3.650 | 55.250 | 50.000 | 10.5 |

Raw Data: **PD089338.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance Group **Contract:** CAMP02

**Lab Code:** CHEM **SDG NO.:** Q2458

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 07/03/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089338.D **Time Analyzed:** 16:02

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.929 | 5.830 | 6.030 | 52.350 | 50.000 | 4.7 |
| 4,4'-DDE | 5.375 | 5.275 | 5.475 | 52.440 | 50.000 | 4.9 |
| 4,4'-DDT | 6.184 | 6.084 | 6.284 | 45.480 | 50.000 | -9.0 |
| Aldrin | 4.369 | 4.269 | 4.469 | 54.440 | 50.000 | 8.9 |
| alpha-BHC | 3.393 | 3.293 | 3.493 | 56.730 | 50.000 | 13.5 |
| alpha-Chlordane | 5.190 | 5.091 | 5.291 | 52.940 | 50.000 | 5.9 |
| beta-BHC | 4.025 | 3.926 | 4.126 | 51.210 | 50.000 | 2.4 |
| Decachlorobiphenyl | 8.072 | 7.972 | 8.172 | 46.160 | 50.000 | -7.7 |
| delta-BHC | 4.262 | 4.162 | 4.362 | 54.020 | 50.000 | 8.0 |
| Dieldrin | 5.511 | 5.413 | 5.613 | 52.900 | 50.000 | 5.8 |
| Endosulfan I | 5.246 | 5.147 | 5.347 | 52.850 | 50.000 | 5.7 |
| Endosulfan II | 6.080 | 5.981 | 6.181 | 51.150 | 50.000 | 2.3 |
| Endosulfan sulfate | 6.482 | 6.383 | 6.583 | 50.040 | 50.000 | 0.1 |
| Endrin | 5.789 | 5.689 | 5.889 | 54.140 | 50.000 | 8.3 |
| Endrin aldehyde | 6.259 | 6.159 | 6.359 | 50.360 | 50.000 | 0.7 |
| Endrin ketone | 6.991 | 6.892 | 7.092 | 49.800 | 50.000 | -0.4 |
| gamma-BHC (Lindane) | 3.728 | 3.630 | 3.830 | 55.020 | 50.000 | 10.0 |
| gamma-Chlordane | 5.125 | 5.026 | 5.226 | 53.820 | 50.000 | 7.6 |
| Heptachlor | 4.082 | 3.983 | 4.183 | 52.110 | 50.000 | 4.2 |
| Heptachlor epoxide | 4.872 | 4.773 | 4.973 | 56.280 | 50.000 | 12.6 |
| Methoxychlor | 6.754 | 6.655 | 6.855 | 52.330 | 50.000 | 4.7 |
| Tetrachloro-m-xylene | 2.881 | 2.780 | 2.980 | 57.920 | 50.000 | 15.8 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 16:02
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:19:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.881 | 157.6E6 | 982.0E6 | 55.246 | 57.925 |
| 28) | SA Decachlor... | 9.074 | 8.072 | 182.0E6 | 912.7E6 | 46.330 | 46.165 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.000 | 3.393 | 325.9E6 | 1520.2E6 | 55.904 | 56.730 |
| 3) | MA gamma-BHC... | 4.331 | 3.728 | 309.2E6 | 1362.1E6 | 55.390 | 55.018m |
| 4) | MA Heptachlor | 4.930 | 4.082 | 285.6E6 | 1304.8E6 | 52.381 | 52.110 |
| 5) | MB Aldrin | 5.271 | 4.369 | 290.8E6 | 1318.3E6 | 54.743 | 54.435 |
| 6) | B beta-BHC | 4.516 | 4.025 | 116.4E6 | 550.4E6 | 52.760 | 51.214 |
| 7) | B delta-BHC | 4.765 | 4.262 | 293.3E6 | 1343.7E6 | 57.139 | 54.022 |
| 8) | B Heptachlo... | 5.691 | 4.872 | 251.7E6 | 1232.3E6 | 52.180 | 56.276 |
| 9) | A Endosulfan I | 6.075 | 5.246 | 238.4E6 | 1101.6E6 | 52.893 | 52.854 |
| 10) | B gamma-Chl... | 5.947 | 5.125 | 256.6E6 | 1287.6E6 | 53.600 | 53.823 |
| 11) | B alpha-Chl... | 6.027 | 5.190 | 255.5E6 | 1212.2E6 | 52.805 | 52.941 |
| 12) | B 4,4'-DDE | 6.196 | 5.375 | 220.5E6 | 1201.7E6 | 50.563 | 52.439 |
| 13) | MA Dieldrin | 6.348 | 5.511 | 252.0E6 | 1227.7E6 | 52.534 | 52.899m |
| 14) | MA Endrin | 6.575 | 5.789 | 203.3E6 | 1175.5E6 | 49.269 | 54.136 |
| 15) | B Endosulfa... | 6.787 | 6.080 | 208.9E6 | 1033.0E6 | 51.759 | 51.148 |
| 16) | A 4,4'-DDD | 6.706 | 5.929 | 187.3E6 | 1001.5E6 | 54.571 | 52.352 |
| 17) | MA 4,4'-DDT | 7.022 | 6.184 | 168.5E6 | 922.2E6 | 44.486 | 45.476 |
| 18) | B Endrin al... | 6.916 | 6.259 | 154.1E6 | 771.1E6 | 50.279 | 50.364 |
| 19) | B Endosulfa... | 7.151 | 6.482 | 192.6E6 | 981.9E6 | 50.194 | 50.043 |
| 20) | A Methoxychlor | 7.494 | 6.754 | 102.4E6 | 563.5E6 | 50.696 | 52.335 |
| 21) | B Endrin ke... | 7.632 | 6.991 | 204.4E6 | 1075.9E6 | 50.188 | 49.805 |
| 22) | Mirex | 8.115 | 7.185 | 144.8E6 | 794.7E6 | 47.639 | 47.646 |

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

Sample Results: **PD089338.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 16:02
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

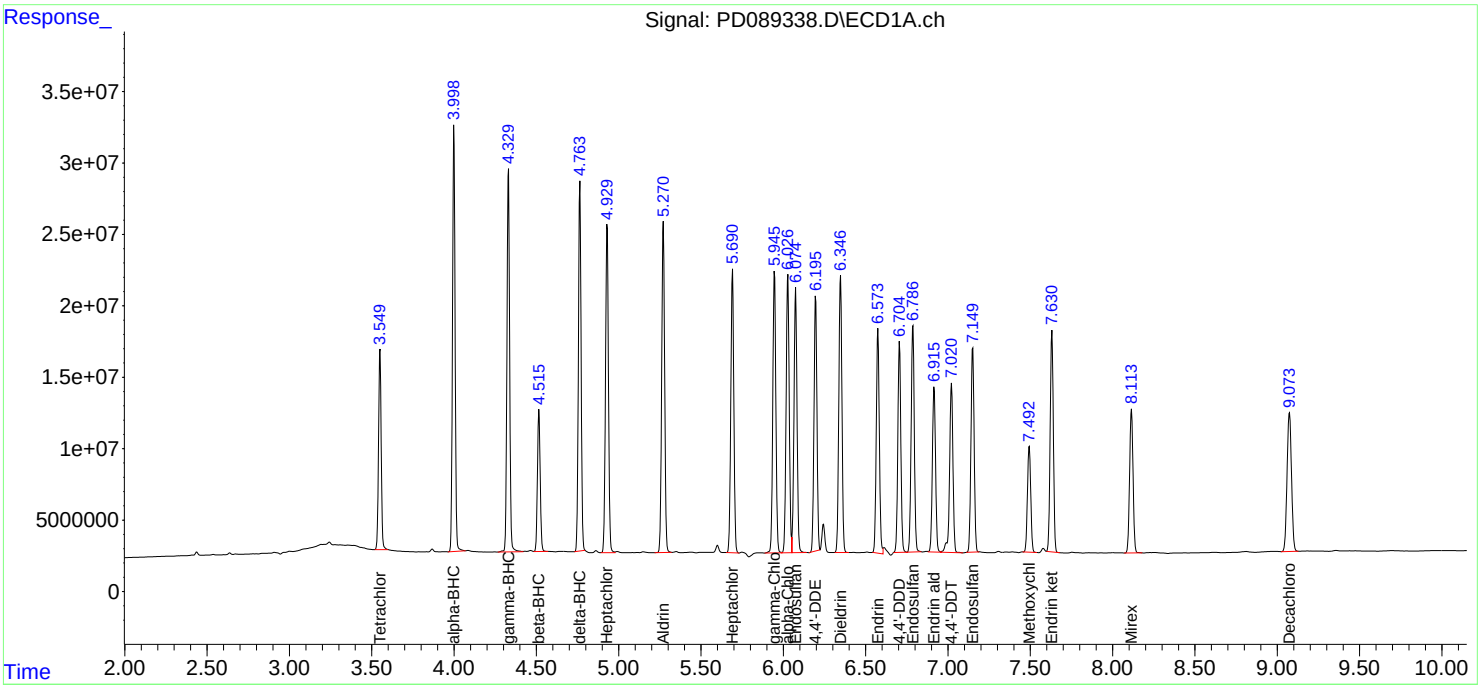
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

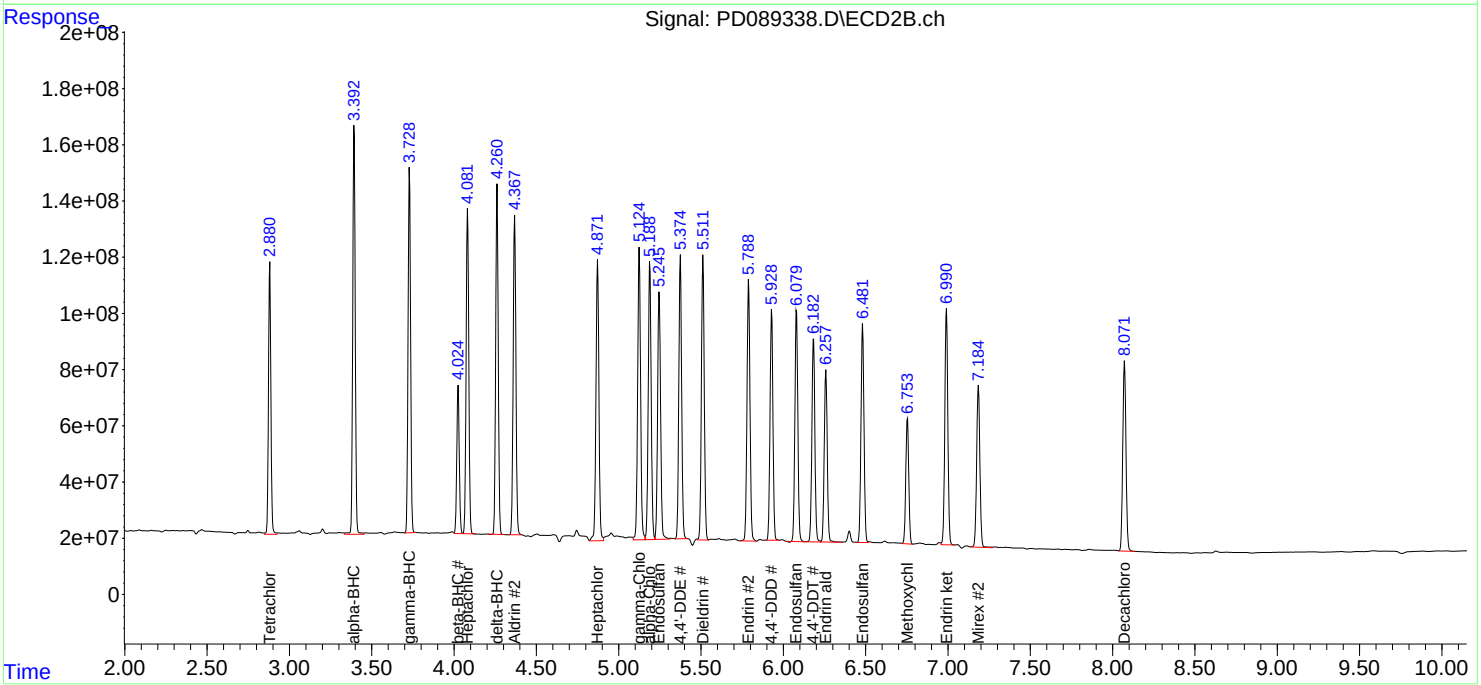
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:19:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD088991.D **Date Analyzed:** 06/17/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 15:25

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.071 | 8.970 | 9.170 | 21.440 | 20.000 | 7.2 |
| Tetrachloro-m-xylene | 3.550 | 3.500 | 3.600 | 19.860 | 20.000 | -0.7 |
| alpha-BHC | 3.999 | 3.950 | 4.050 | 8.970 | 10.000 | -10.3 |
| beta-BHC | 4.514 | 4.460 | 4.560 | 9.720 | 10.000 | -2.8 |
| gamma-BHC (Lindane) | 4.330 | 4.280 | 4.380 | 9.320 | 10.000 | -6.8 |
| Endrin | 6.574 | 6.500 | 6.640 | 50.260 | 50.000 | 0.5 |
| 4,4'-DDT | 7.020 | 6.950 | 7.090 | 100.820 | 100.000 | 0.8 |
| Methoxychlor | 7.493 | 7.420 | 7.560 | 229.880 | 250.000 | -8.0 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD088991.D **Date Analyzed:** 06/17/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 15:25

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.072 | 7.970 | 8.170 | 21.290 | 20.000 | 6.5 |
| Tetrachloro-m-xylene | 2.880 | 2.830 | 2.930 | 20.440 | 20.000 | 2.2 |
| alpha-BHC | 3.393 | 3.340 | 3.440 | 10.570 | 10.000 | 5.7 |
| beta-BHC | 4.025 | 3.970 | 4.080 | 10.750 | 10.000 | 7.5 |
| gamma-BHC (Lindane) | 3.729 | 3.680 | 3.780 | 10.580 | 10.000 | 5.8 |
| Endrin | 5.789 | 5.720 | 5.860 | 50.490 | 50.000 | 1.0 |
| 4,4'-DDT | 6.183 | 6.110 | 6.250 | 96.080 | 100.000 | -3.9 |
| Methoxychlor | 6.754 | 6.680 | 6.820 | 198.860 | 250.000 | -20.5 |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.880 | 56676201 | 346.6E6 | 19.865 | 20.443 |
| 28) | SA Decachlor... | 9.071 | 8.072 | 84217746 | 421.0E6 | 21.442 | 21.293 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 52304160 | 283.3E6 | 8.973 | 10.573 |
| 3) | MA gamma-BHC... | 4.330 | 3.729 | 52036875 | 261.9E6 | 9.323 | 10.578 |
| 6) | B beta-BHC | 4.514 | 4.025 | 21456971 | 115.6E6 | 9.722m | 10.754 |
| 14) | MA Endrin | 6.574 | 5.789 | 207.3E6 | 1096.4E6 | 50.256 | 50.492 |
| 16) | A 4,4'-DDD | 6.701 | 5.931 | 603821 | 5602244 | 0.176m | 0.293m# |
| 17) | MA 4,4'-DDT | 7.020 | 6.183 | 381.9E6 | 1948.4E6 | 100.821 | 96.080 |
| 18) | B Endrin al... | 6.918 | 6.256 | 451112 | 9421924 | 0.147m | 0.615m# |
| 20) | A Methoxychlor | 7.493 | 6.754 | 464.5E6 | 2141.4E6 | 229.876 | 198.863 |
| 21) | B Endrin ke... | 7.627 | 6.989 | 1470511 | 10658868 | 0.361m | 0.493m# |

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

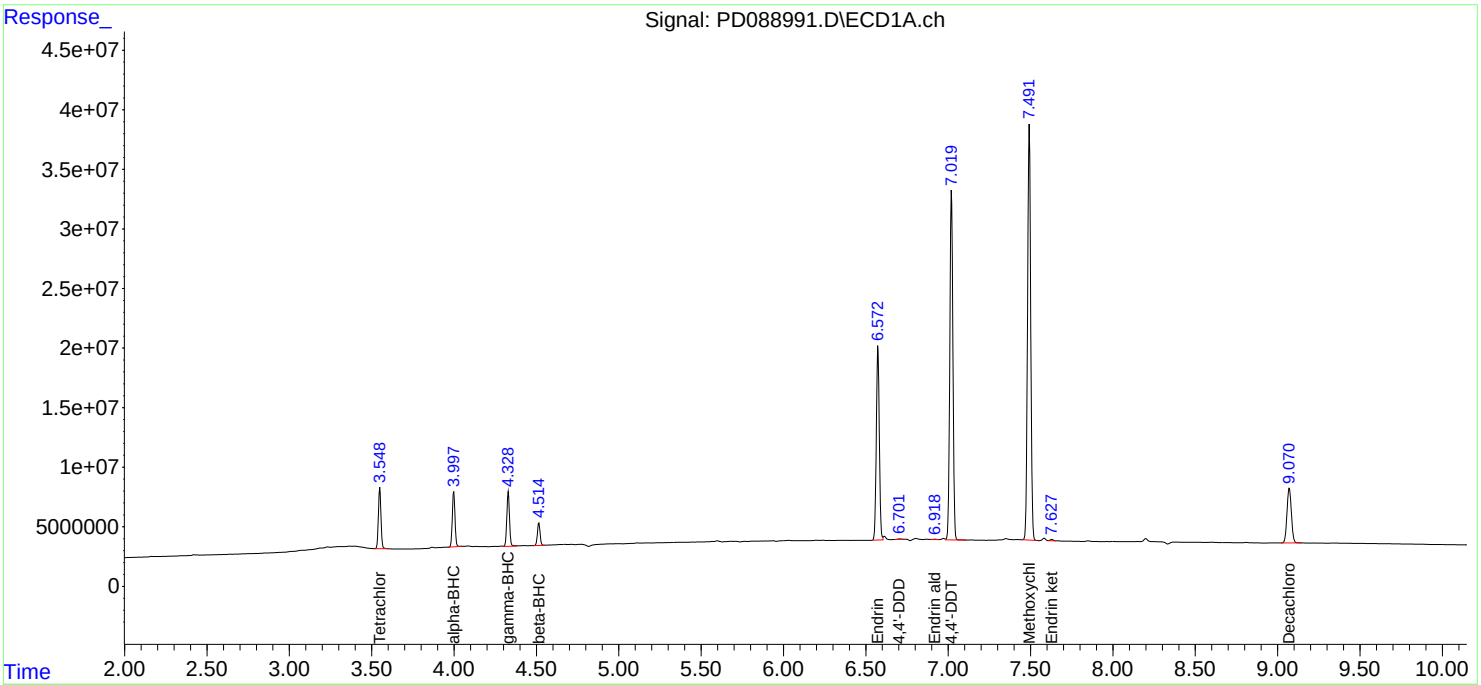
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

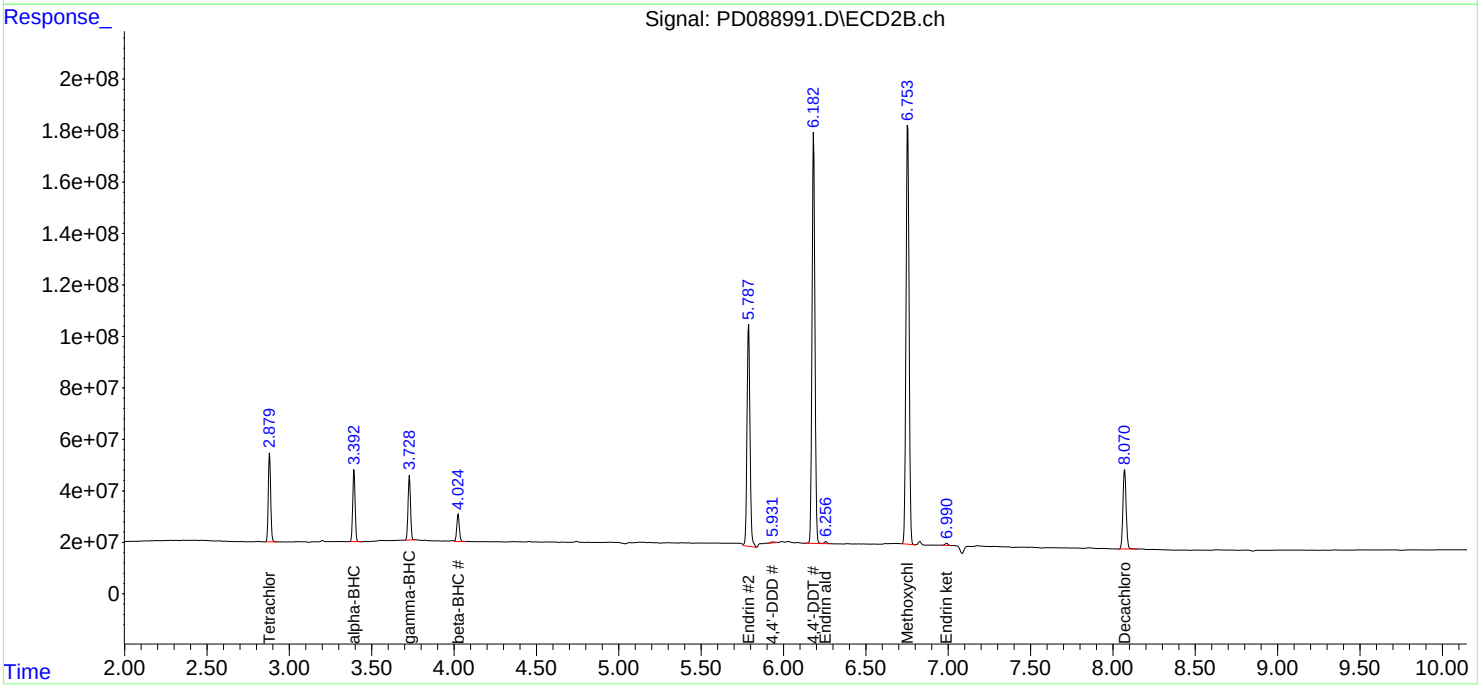
**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD089265.D **Date Analyzed:** 07/01/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 12:13

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.074 | 8.970 | 9.170 | 19.270 | 20.000 | -3.7 |
| Tetrachloro-m-xylene | 3.550 | 3.500 | 3.600 | 18.530 | 20.000 | -7.4 |
| alpha-BHC | 4.000 | 3.950 | 4.050 | 8.560 | 10.000 | -14.4 |
| beta-BHC | 4.516 | 4.470 | 4.570 | 9.530 | 10.000 | -4.7 |
| gamma-BHC (Lindane) | 4.329 | 4.280 | 4.380 | 8.840 | 10.000 | -11.6 |
| Endrin | 6.573 | 6.500 | 6.640 | 43.050 | 50.000 | -13.9 |
| 4,4'-DDT | 7.022 | 6.950 | 7.090 | 78.670 | 100.000 | -21.3 |
| Methoxychlor | 7.493 | 7.420 | 7.560 | 176.900 | 250.000 | -29.2 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD089265.D **Date Analyzed:** 07/01/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 12:13

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.072 | 7.970 | 8.170 | 19.650 | 20.000 | -1.8 |
| Tetrachloro-m-xylene | 2.881 | 2.830 | 2.930 | 19.970 | 20.000 | -0.2 |
| alpha-BHC | 3.392 | 3.340 | 3.440 | 10.130 | 10.000 | 1.3 |
| beta-BHC | 4.025 | 3.970 | 4.080 | 9.890 | 10.000 | -1.1 |
| gamma-BHC (Lindane) | 3.730 | 3.680 | 3.780 | 9.870 | 10.000 | -1.3 |
| Endrin | 5.789 | 5.720 | 5.860 | 45.160 | 50.000 | -9.7 |
| 4,4'-DDT | 6.183 | 6.110 | 6.250 | 78.010 | 100.000 | -22.0 |
| Methoxychlor | 6.754 | 6.680 | 6.820 | 158.950 | 250.000 | -36.4 |

PEM

**Data File:** PD089265.D **Date Acquired** 7/1/2025 12:13

**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| | | | | | Down |
| Endrin | 6.57 | 177602871.5 | 188682387.7 | 11079516.2 | **5.87** |
| Endrin aldehyde | 6.92 | 3048057.244 | | | |
| Endrin ketone | 7.63 | 8031458.925 | | | |

Column #2

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| Endrin #2 | 5.79 | 980555114.1 | 1082275727 | 101720613 | **9.40** |
| Endrin aldehyde #2 | 6.26 | 27499938.02 | | | |
| Endrin ketone #2 | 6.99 | 74220675.1 | | | |

**DDT BREAK DOWN**

Column #1

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT | 7.02 | 298004872.3 | 317256503 | 19251630.6 | **6.07** |
| 4,4'-DDE | 6.19 | 938270.216 | | | |
| 4,4'-DDD | 6.70 | 18313360.43 | | | |

Column #2

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT #2 | 6.18 | 1581914044 | 1693486508 | 111572464 | **6.59** |
| 4,4'-DDE #2 | 5.37 | 5646016.685 | | | |
| 4,4'-DDD #2 | 5.93 | 105926447.1 | | | |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 12:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:44:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 52857529 | 338.6E6 | 18.526 | 19.975 |
| 28) | SA Decachlor... | 9.074 | 8.072 | 75689745 | 388.5E6 | 19.271 | 19.651 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.000 | 3.392 | 49881725 | 271.5E6 | 8.557 | 10.133m |
| 3) | MA gamma-BHC... | 4.329 | 3.730 | 49349393 | 244.4E6 | 8.841m | 9.871 |
| 6) | B beta-BHC | 4.516 | 4.025 | 21028261 | 106.2E6 | 9.527 | 9.887 |
| 12) | B 4,4'-DDE | 6.194 | 5.374 | 938270 | 5646017 | 0.215m | 0.246m |
| 14) | MA Endrin | 6.573 | 5.789 | 177.6E6 | 980.6E6 | 43.049m | 45.158 |
| 16) | A 4,4'-DDD | 6.704 | 5.929 | 18313360 | 105.9E6 | 5.336m | 5.537 |
| 17) | MA 4,4'-DDT | 7.022 | 6.183 | 298.0E6 | 1581.9E6 | 78.667 | 78.006 |
| 18) | B Endrin al... | 6.915 | 6.258 | 3048057 | 27499938 | 0.995 | 1.796 # |
| 20) | A Methoxychlor | 7.493 | 6.754 | 357.5E6 | 1711.6E6 | 176.903 | 158.950 |
| 21) | B Endrin ke... | 7.630 | 6.990 | 8031459 | 74220675 | 1.972 | 3.436 # |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 12:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

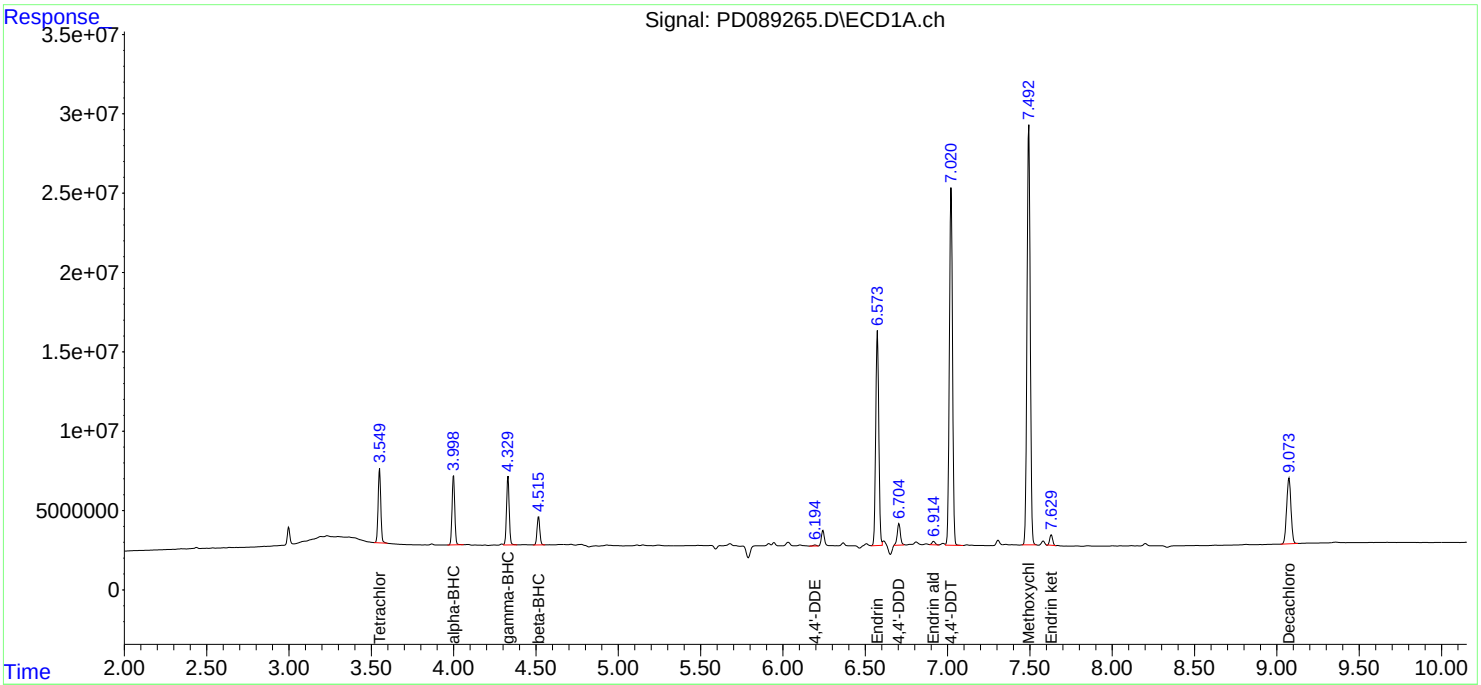
**Instrument :**
ECD_D
**ClientSampleId :**
PEM

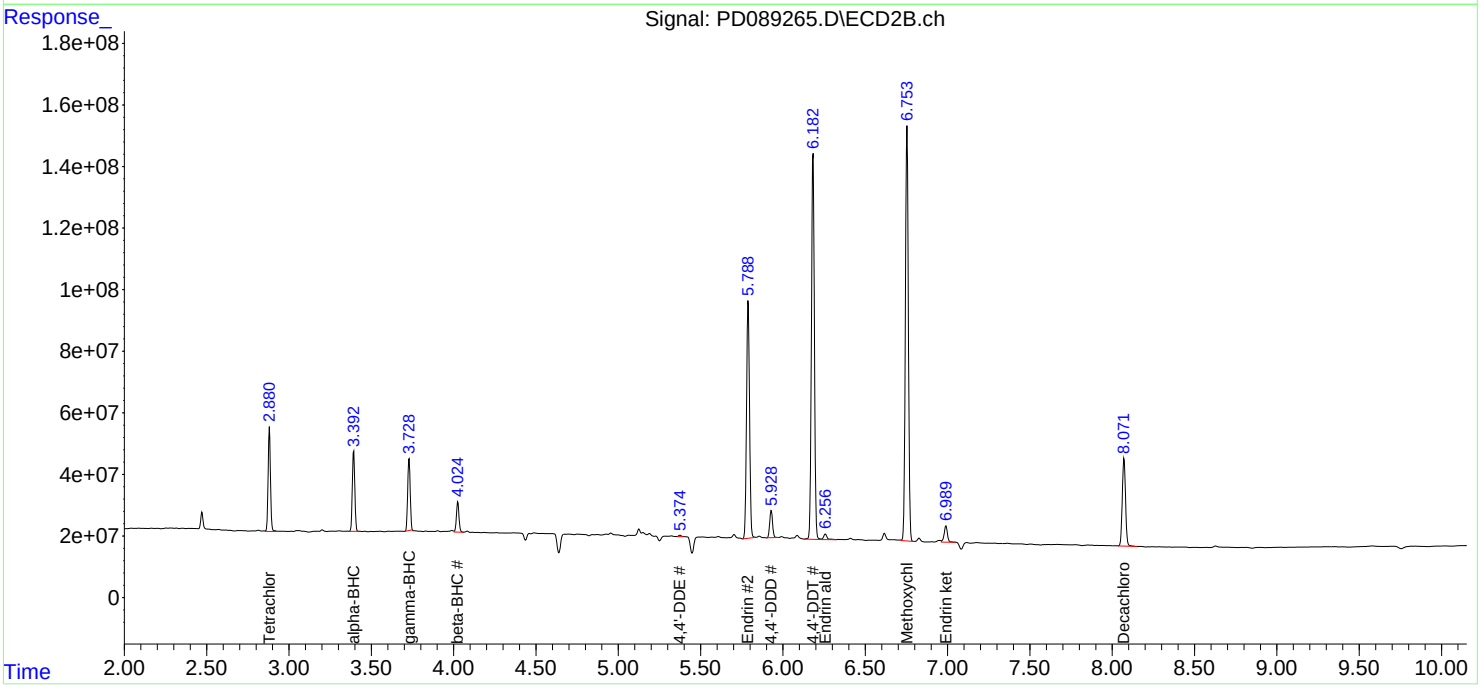
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:44:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD089288.D **Date Analyzed:** 07/01/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 19:21

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.072 | 8.970 | 9.170 | 17.760 | 20.000 | -11.2 |
| Tetrachloro-m-xylene | 3.550 | 3.500 | 3.600 | 18.810 | 20.000 | -6.0 |
| alpha-BHC | 3.999 | 3.950 | 4.050 | 8.640 | 10.000 | -13.6 |
| beta-BHC | 4.516 | 4.470 | 4.570 | 9.570 | 10.000 | -4.3 |
| gamma-BHC (Lindane) | 4.330 | 4.280 | 4.380 | 9.110 | 10.000 | -8.9 |
| Endrin | 6.572 | 6.500 | 6.640 | 42.570 | 50.000 | -14.9 |
| 4,4'-DDT | 7.021 | 6.950 | 7.090 | 74.530 | 100.000 | -25.5 |
| Methoxychlor | 7.493 | 7.420 | 7.560 | 168.790 | 250.000 | -32.5 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD089288.D **Date Analyzed:** 07/01/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 19:21

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.071 | 7.970 | 8.170 | 17.280 | 20.000 | -13.6 |
| Tetrachloro-m-xylene | 2.881 | 2.830 | 2.930 | 20.200 | 20.000 | 1.0 |
| alpha-BHC | 3.393 | 3.340 | 3.440 | 10.600 | 10.000 | 6.0 |
| beta-BHC | 4.025 | 3.970 | 4.080 | 9.990 | 10.000 | -0.1 |
| gamma-BHC (Lindane) | 3.728 | 3.680 | 3.780 | 10.260 | 10.000 | 2.6 |
| Endrin | 5.789 | 5.720 | 5.860 | 44.950 | 50.000 | -10.1 |
| 4,4'-DDT | 6.183 | 6.110 | 6.250 | 73.250 | 100.000 | -26.8 |
| Methoxychlor | 6.753 | 6.680 | 6.820 | 152.400 | 250.000 | -39.0 |

PEM

**Data File:** PD089288.D **Date Acquired** 7/1/2025 19:21

**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| | | | | | Down |
| Endrin | 6.57 | 175633744.9 | 185964995.6 | 10331250.7 | **5.56** |
| Endrin aldehyde | 6.91 | 2694696.517 | | | |
| Endrin ketone | 7.63 | 7636554.187 | | | |

Column #2

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| Endrin #2 | 5.79 | 976002765.7 | 1056010998 | 80008232.4 | **7.58** |
| Endrin aldehyde #2 | 6.26 | 18199292.53 | | | |
| Endrin ketone #2 | 6.99 | 61808939.84 | | | |

**DDT BREAK DOWN**

Column #1

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT | 7.02 | 282343090.9 | 305571082.9 | 23227992 | **7.60** |
| 4,4'-DDE | 6.19 | 659131.264 | | | |
| 4,4'-DDD | 6.70 | 22568860.72 | | | |

Column #2

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT #2 | 6.18 | 1485498279 | 1602605944 | 117107665 | **7.31** |
| 4,4'-DDE #2 | 5.37 | 5365272.746 | | | |
| 4,4'-DDD #2 | 5.93 | 111742391.8 | | | |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:21
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 53669144 | 342.4E6 | 18.811 | 20.196 |
| 28) | SA Decachlor... | 9.072 | 8.071 | 69751872 | 341.6E6 | 17.759 | 17.278 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 50380963 | 283.9E6 | 8.643 | 10.595 |
| 3) | MA gamma-BHC... | 4.330 | 3.728 | 50837015 | 254.1E6 | 9.108 | 10.263m |
| 6) | B beta-BHC | 4.516 | 4.025 | 21114096 | 107.4E6 | 9.566 | 9.993 |
| 12) | B 4,4'-DDE | 6.193 | 5.374 | 659131 | 5365273 | 0.151 | 0.234m# |
| 14) | MA Endrin | 6.572 | 5.789 | 175.6E6 | 976.0E6 | 42.572m | 44.948 |
| 16) | A 4,4'-DDD | 6.704 | 5.929 | 22568861 | 111.7E6 | 6.576 | 5.841 |
| 17) | MA 4,4'-DDT | 7.021 | 6.183 | 282.3E6 | 1485.5E6 | 74.532 | 73.252 |
| 18) | B Endrin al... | 6.915 | 6.257 | 2694697 | 18199293 | 0.879 | 1.189 # |
| 20) | A Methoxychlor | 7.493 | 6.753 | 341.1E6 | 1641.0E6 | 168.786 | 152.396 |
| 21) | B Endrin ke... | 7.629 | 6.990 | 7636554 | 61808940 | 1.875 | 2.861 # |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:21
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

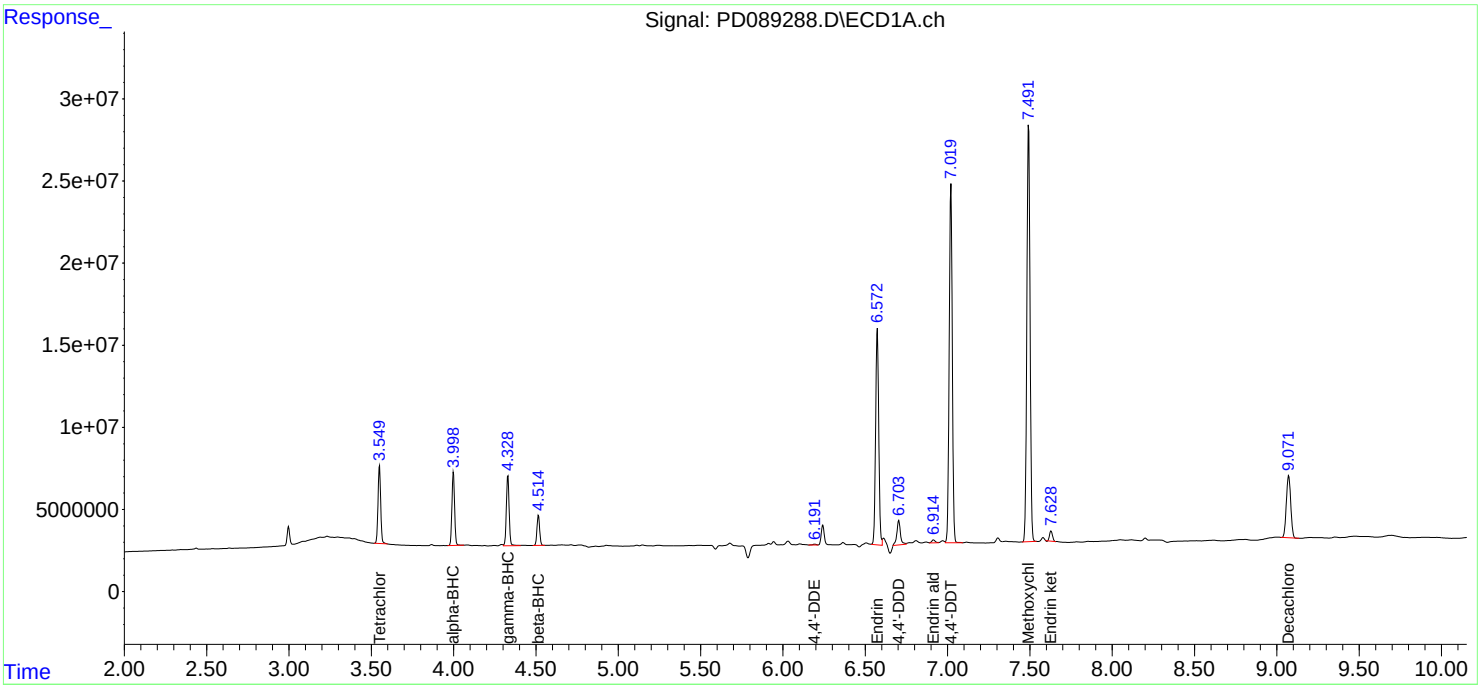
**Instrument :**
ECD_D
**ClientSampleId :**
PEM

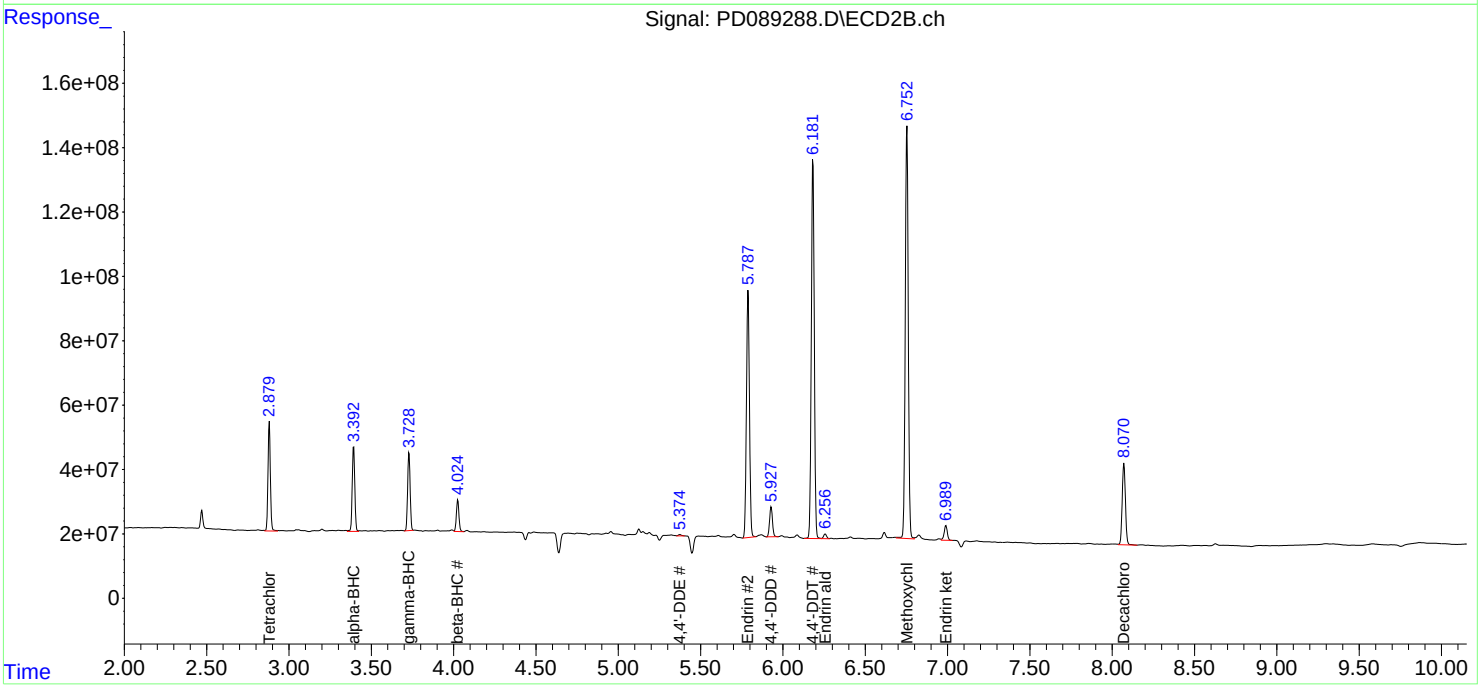
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD089327.D **Date Analyzed:** 07/03/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:32

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.073 | 8.970 | 9.170 | 19.550 | 20.000 | -2.3 |
| Tetrachloro-m-xylene | 3.551 | 3.500 | 3.600 | 21.620 | 20.000 | 8.1 |
| alpha-BHC | 3.999 | 3.950 | 4.050 | 10.140 | 10.000 | 1.4 |
| beta-BHC | 4.516 | 4.470 | 4.570 | 11.040 | 10.000 | 10.4 |
| gamma-BHC (Lindane) | 4.331 | 4.280 | 4.380 | 10.550 | 10.000 | 5.5 |
| Endrin | 6.574 | 6.500 | 6.640 | 48.050 | 50.000 | -3.9 |
| 4,4'-DDT | 7.021 | 6.950 | 7.090 | 83.070 | 100.000 | -16.9 |
| Methoxychlor | 7.494 | 7.420 | 7.560 | 183.850 | 250.000 | -26.5 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

**Client Sample No. (PEM):** PEM - PD089327.D **Date Analyzed:** 07/03/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:32

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.071 | 7.970 | 8.170 | 19.330 | 20.000 | -3.4 |
| Tetrachloro-m-xylene | 2.881 | 2.830 | 2.930 | 23.640 | 20.000 | 18.2 |
| alpha-BHC | 3.393 | 3.340 | 3.440 | 12.290 | 10.000 | 22.9 |
| beta-BHC | 4.025 | 3.970 | 4.080 | 11.540 | 10.000 | 15.4 |
| gamma-BHC (Lindane) | 3.729 | 3.680 | 3.780 | 11.780 | 10.000 | 17.8 |
| Endrin | 5.788 | 5.720 | 5.860 | 51.080 | 50.000 | 2.2 |
| 4,4'-DDT | 6.182 | 6.110 | 6.250 | 82.740 | 100.000 | -17.3 |
| Methoxychlor | 6.753 | 6.680 | 6.820 | 160.450 | 250.000 | -35.8 |

PEM

**Data File:** PD089327.D **Date Acquired** 7/3/2025 9:32

**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| | | | | | Down |
| Endrin | 6.57 | 198227503.4 | 211531157.7 | 13303654.3 | **6.29** |
| Endrin aldehyde | 6.92 | 3278521.382 | | | |
| Endrin ketone | 7.63 | 10025132.94 | | | |

Column #2

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| Endrin #2 | 5.79 | 1109184579 | 1214927492 | 105742913 | **8.70** |
| Endrin aldehyde #2 | 6.26 | 24041555.25 | | | |
| Endrin ketone #2 | 6.99 | 81701357.78 | | | |

**DDT BREAK DOWN**

Column #1

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT | 7.02 | 314699780.6 | 339367790.3 | 24668009.7 | **7.27** |
| 4,4'-DDE | 6.19 | 899767.037 | | | |
| 4,4'-DDD | 6.70 | 23768242.68 | | | |

Column #2

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT #2 | 6.18 | 1677864534 | 1845597601 | 167733067 | **9.09** |
| 4,4'-DDE #2 | 5.37 | 7625893.265 | | | |
| 4,4'-DDD #2 | 5.93 | 160107173.2 | | | |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 09:32
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.881 | 61680202 | 400.7E6 | 21.618 | 23.636 |
| 28) | SA Decachlor... | 9.073 | 8.071 | 76793160 | 382.1E6 | 19.552 | 19.329 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 59112351 | 329.4E6 | 10.141 | 12.293 |
| 3) | MA gamma-BHC... | 4.331 | 3.729 | 58900726 | 291.7E6 | 10.553 | 11.781 |
| 6) | B beta-BHC | 4.516 | 4.025 | 24368122 | 124.0E6 | 11.041 | 11.536 |
| 12) | B 4,4'-DDE | 6.192 | 5.372 | 899767 | 7625893 | 0.206m | 0.333m# |
| 14) | MA Endrin | 6.574 | 5.788 | 198.2E6 | 1109.2E6 | 48.048 | 51.082 |
| 16) | A 4,4'-DDD | 6.704 | 5.927 | 23768243 | 160.1E6 | 6.925m | 8.370m |
| 17) | MA 4,4'-DDT | 7.021 | 6.182 | 314.7E6 | 1677.9E6 | 83.074 | 82.738 |
| 18) | B Endrin al... | 6.916 | 6.257 | 3278521 | 24041555 | 1.070 | 1.570 # |
| 20) | A Methoxychlor | 7.494 | 6.753 | 371.5E6 | 1727.7E6 | 183.849 | 160.450 |
| 21) | B Endrin ke... | 7.630 | 6.989 | 10025133 | 81701358 | 2.461 | 3.782 # |

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

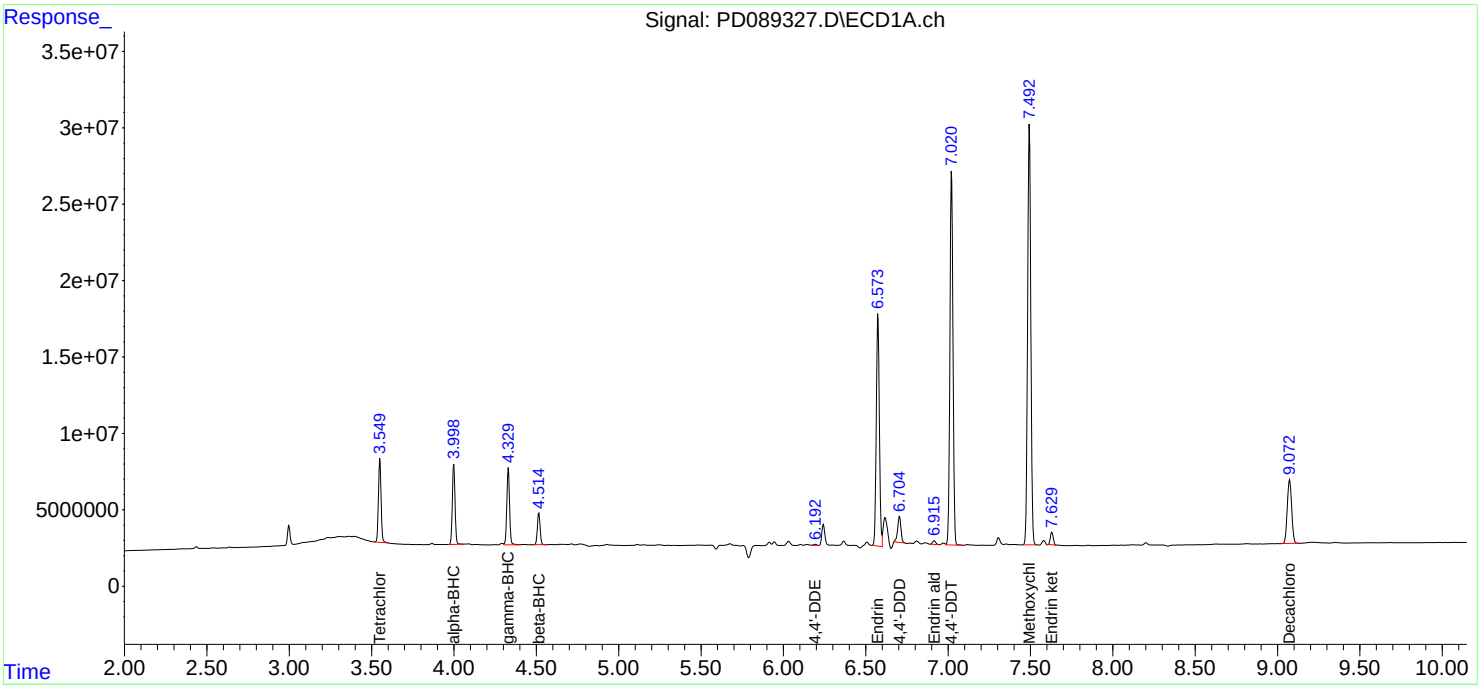
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 09:32
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

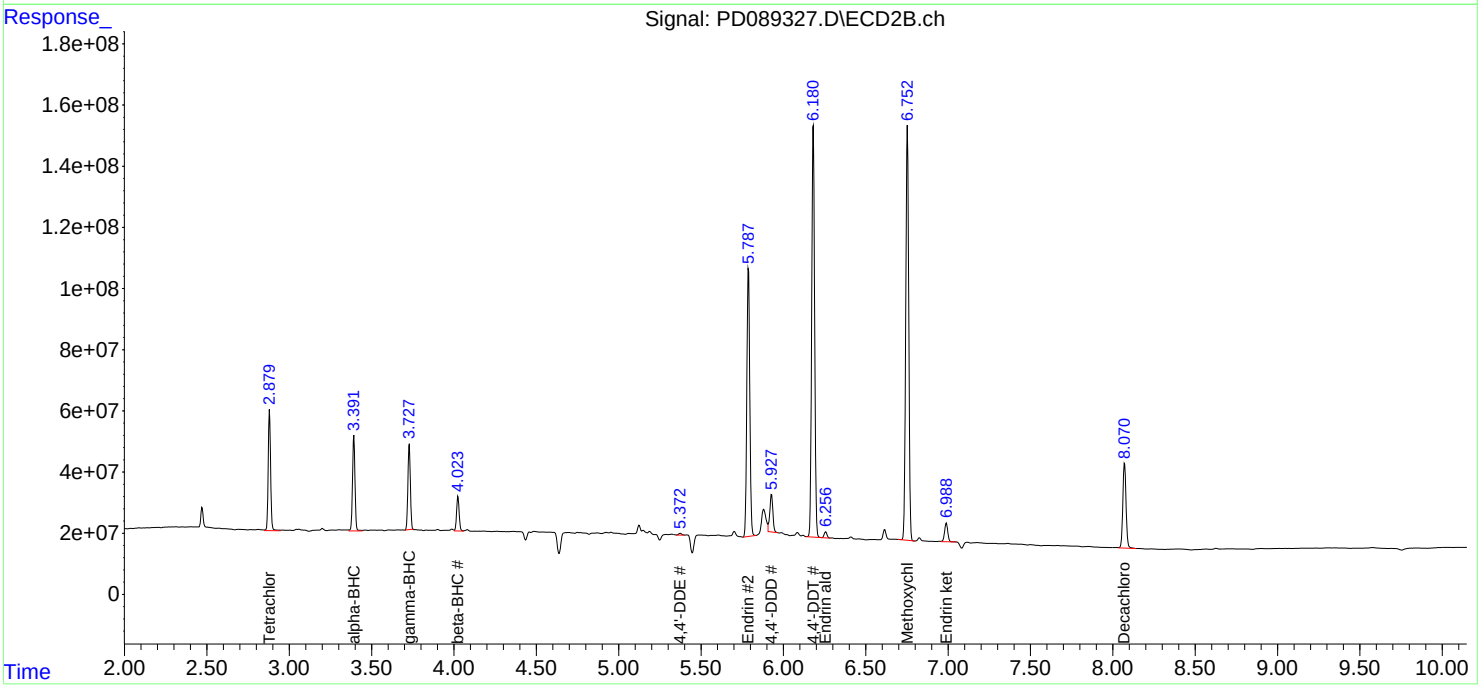
**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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# Analytical Sequence

**Client:** CDM Smith **SDG No.:** Q2458

**Project:** South River WM Replacement **Instrument ID:** ECD_D

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| CLIENT ID | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 06/17/2025 | 15:11 | PD088990.D | 9.07 | 3.55 |
| PEM | PEM | 06/17/2025 | 15:25 | PD088991.D | 9.07 | 3.55 |
| RESCHK | RESCHK | 06/17/2025 | 15:39 | PD088992.D | 9.07 | 3.55 |
| PSTDICC100 | PSTDICC100 | 06/17/2025 | 15:52 | PD088993.D | 9.07 | 3.55 |
| PSTDICC075 | PSTDICC075 | 06/17/2025 | 16:06 | PD088994.D | 9.07 | 3.55 |
| PSTDICC050 | PSTDICC050 | 06/17/2025 | 16:20 | PD088995.D | 9.07 | 3.55 |
| PSTDICC025 | PSTDICC025 | 06/17/2025 | 16:33 | PD088996.D | 9.07 | 3.55 |
| PSTDICC005 | PSTDICC005 | 06/17/2025 | 16:47 | PD088997.D | 9.07 | 3.55 |
| PCHLORICC500 | PCHLORICC500 | 06/17/2025 | 17:28 | PD089000.D | 9.07 | 3.55 |
| PTOXICC500 | PTOXICC500 | 06/17/2025 | 18:36 | PD089005.D | 9.07 | 3.55 |
| I.BLK | I.BLK | 07/01/2025 | 11:59 | PD089264.D | 9.07 | 3.55 |
| PEM | PEM | 07/01/2025 | 12:13 | PD089265.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 13:35 | PD089266.D | 9.08 | 3.56 |
| PB168672BL | PB168672BL | 07/01/2025 | 14:33 | PD089270.D | 9.07 | 3.55 |
| PB168672BS | PB168672BS | 07/01/2025 | 16:23 | PD089275.D | 9.08 | 3.56 |
| I.BLK | I.BLK | 07/01/2025 | 16:37 | PD089276.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 16:50 | PD089277.D | 9.07 | 3.55 |
| TP-76 | Q2458-01 | 07/01/2025 | 18:26 | PD089284.D | 9.07 | 3.55 |
| TP-55 | Q2458-02 | 07/01/2025 | 18:40 | PD089285.D | 9.07 | 3.55 |
| TP-68 | Q2458-03 | 07/01/2025 | 18:53 | PD089286.D | 9.07 | 3.55 |
| I.BLK | I.BLK | 07/01/2025 | 19:07 | PD089287.D | 9.07 | 3.55 |
| PEM | PEM | 07/01/2025 | 19:21 | PD089288.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 19:34 | PD089289.D | 9.07 | 3.55 |
| TP-67 | Q2458-04 | 07/01/2025 | 20:15 | PD089290.D | 9.07 | 3.55 |
| TP-67MS | Q2458-04MS | 07/01/2025 | 20:29 | PD089291.D | 9.07 | 3.55 |
| TP-67MSD | Q2458-04MSD | 07/01/2025 | 20:43 | PD089292.D | 9.07 | 3.55 |
| TP-66 | Q2458-05 | 07/01/2025 | 20:57 | PD089293.D | 9.07 | 3.55 |
| TP-60 | Q2458-06 | 07/01/2025 | 21:10 | PD089294.D | 9.07 | 3.55 |
| TP-62 | Q2458-07 | 07/01/2025 | 21:24 | PD089295.D | 9.07 | 3.55 |
| TP-63 | Q2458-08 | 07/01/2025 | 21:37 | PD089296.D | 9.07 | 3.55 |
| TP-59 | Q2458-09 | 07/01/2025 | 21:51 | PD089297.D | 9.07 | 3.55 |
| I.BLK | I.BLK | 07/01/2025 | 22:05 | PD089298.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 22:59 | PD089299.D | 9.07 | 3.55 |
| I.BLK | I.BLK | 07/03/2025 | 09:19 | PD089326.D | 9.08 | 3.55 |
| PEM | PEM | 07/03/2025 | 09:32 | PD089327.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/03/2025 | 09:46 | PD089328.D | 9.07 | 3.55 |
| PB168718BL | PB168718BL | 07/03/2025 | 13:55 | PD089329.D | 9.08 | 3.56 |
| PB168718BS | PB168718BS | 07/03/2025 | 14:09 | PD089330.D | 9.08 | 3.55 |
| PB168718BSD | PB168718BSD | 07/03/2025 | 14:27 | PD089331.D | 9.08 | 3.56 |
| FB-06272025 | Q2458-10 | 07/03/2025 | 14:40 | PD089332.D | 9.08 | 3.55 |
| I.BLK | I.BLK | 07/03/2025 | 15:48 | PD089337.D | 9.08 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/03/2025 | 16:02 | PD089338.D | 9.07 | 3.55 |

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# Analytical Sequence

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# Analytical Sequence

**Client:** CDM Smith **SDG No.:** Q2458

**Project:** South River WM Replacement **Instrument ID:** ECD_D

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| CLIENT ID | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 06/17/2025 | 15:11 | PD088990.D | 8.07 | 2.88 |
| PEM | PEM | 06/17/2025 | 15:25 | PD088991.D | 8.07 | 2.88 |
| RESCHK | RESCHK | 06/17/2025 | 15:39 | PD088992.D | 8.07 | 2.88 |
| PSTDICC100 | PSTDICC100 | 06/17/2025 | 15:52 | PD088993.D | 8.07 | 2.88 |
| PSTDICC075 | PSTDICC075 | 06/17/2025 | 16:06 | PD088994.D | 8.07 | 2.88 |
| PSTDICC050 | PSTDICC050 | 06/17/2025 | 16:20 | PD088995.D | 8.07 | 2.88 |
| PSTDICC025 | PSTDICC025 | 06/17/2025 | 16:33 | PD088996.D | 8.07 | 2.88 |
| PSTDICC005 | PSTDICC005 | 06/17/2025 | 16:47 | PD088997.D | 8.07 | 2.88 |
| PCHLORICC500 | PCHLORICC500 | 06/17/2025 | 17:28 | PD089000.D | 8.07 | 2.88 |
| PTOXICC500 | PTOXICC500 | 06/17/2025 | 18:36 | PD089005.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/01/2025 | 11:59 | PD089264.D | 8.07 | 2.88 |
| PEM | PEM | 07/01/2025 | 12:13 | PD089265.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 13:35 | PD089266.D | 8.07 | 2.88 |
| PB168672BL | PB168672BL | 07/01/2025 | 14:33 | PD089270.D | 8.07 | 2.88 |
| PB168672BS | PB168672BS | 07/01/2025 | 16:23 | PD089275.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/01/2025 | 16:37 | PD089276.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 16:50 | PD089277.D | 8.07 | 2.88 |
| TP-76 | Q2458-01 | 07/01/2025 | 18:26 | PD089284.D | 8.07 | 2.88 |
| TP-55 | Q2458-02 | 07/01/2025 | 18:40 | PD089285.D | 8.07 | 2.88 |
| TP-68 | Q2458-03 | 07/01/2025 | 18:53 | PD089286.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/01/2025 | 19:07 | PD089287.D | 8.07 | 2.88 |
| PEM | PEM | 07/01/2025 | 19:21 | PD089288.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 19:34 | PD089289.D | 8.07 | 2.88 |
| TP-67 | Q2458-04 | 07/01/2025 | 20:15 | PD089290.D | 8.07 | 2.88 |
| TP-67MS | Q2458-04MS | 07/01/2025 | 20:29 | PD089291.D | 8.07 | 2.88 |
| TP-67MSD | Q2458-04MSD | 07/01/2025 | 20:43 | PD089292.D | 8.07 | 2.88 |
| TP-66 | Q2458-05 | 07/01/2025 | 20:57 | PD089293.D | 8.07 | 2.88 |
| TP-60 | Q2458-06 | 07/01/2025 | 21:10 | PD089294.D | 8.07 | 2.88 |
| TP-62 | Q2458-07 | 07/01/2025 | 21:24 | PD089295.D | 8.07 | 2.88 |
| TP-63 | Q2458-08 | 07/01/2025 | 21:37 | PD089296.D | 8.07 | 2.88 |
| TP-59 | Q2458-09 | 07/01/2025 | 21:51 | PD089297.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/01/2025 | 22:05 | PD089298.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/01/2025 | 22:59 | PD089299.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/03/2025 | 09:19 | PD089326.D | 8.07 | 2.88 |
| PEM | PEM | 07/03/2025 | 09:32 | PD089327.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/03/2025 | 09:46 | PD089328.D | 8.07 | 2.88 |
| PB168718BL | PB168718BL | 07/03/2025 | 13:55 | PD089329.D | 8.08 | 2.88 |
| PB168718BS | PB168718BS | 07/03/2025 | 14:09 | PD089330.D | 8.07 | 2.88 |
| PB168718BSD | PB168718BSD | 07/03/2025 | 14:27 | PD089331.D | 8.07 | 2.88 |
| FB-06272025 | Q2458-10 | 07/03/2025 | 14:40 | PD089332.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/03/2025 | 15:48 | PD089337.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/03/2025 | 16:02 | PD089338.D | 8.07 | 2.88 |

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# Analytical Sequence

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168672BS**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** PB168672BS **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 1 | 6.71 | 6.66 | 6.76 | 18.7 | 4.4 |
| | 2 | 5.93 | 5.88 | 5.98 | 17.9 | |
| 4,4'-DDT | 1 | 7.03 | 6.98 | 7.08 | 16.3 | 2.5 |
| | 2 | 6.19 | 6.14 | 6.24 | 15.9 | |
| alpha-BHC | 1 | 4.01 | 3.96 | 4.06 | 18.7 | 0.5 |
| | 2 | 3.39 | 3.34 | 3.44 | 18.6 | |
| Aldrin | 1 | 5.28 | 5.23 | 5.33 | 18.7 | 1.6 |
| | 2 | 4.37 | 4.32 | 4.42 | 18.4 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 17.7 | 1.7 |
| | 2 | 4.03 | 3.98 | 4.08 | 18.0 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 18.1 | 0.6 |
| | 2 | 5.19 | 5.14 | 5.24 | 18.2 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 18.4 | 2.8 |
| | 2 | 5.38 | 5.33 | 5.43 | 17.9 | |
| Endosulfan II | 1 | 6.79 | 6.74 | 6.84 | 17.9 | 0.6 |
| | 2 | 6.08 | 6.03 | 6.13 | 17.8 | |
| Endrin aldehyde | 1 | 6.92 | 6.87 | 6.97 | 17.8 | 1.1 |
| | 2 | 6.26 | 6.21 | 6.31 | 17.6 | |
| Endosulfan sulfate | 1 | 7.16 | 7.11 | 7.21 | 17.7 | 0.6 |
| | 2 | 6.48 | 6.43 | 6.53 | 17.6 | |
| Methoxychlor | 1 | 7.50 | 7.45 | 7.55 | 16.3 | 1.8 |
| | 2 | 6.76 | 6.71 | 6.81 | 16.6 | |
| Endrin ketone | 1 | 7.64 | 7.59 | 7.69 | 18.3 | 2.8 |
| | 2 | 6.99 | 6.94 | 7.04 | 17.8 | |
| gamma-BHC (Lindane) | 1 | 4.34 | 4.29 | 4.39 | 18.6 | 1.1 |
| | 2 | 3.73 | 3.68 | 3.78 | 18.4 | |
| Heptachlor | 1 | 4.94 | 4.89 | 4.99 | 18.2 | 3.4 |
| | 2 | 4.08 | 4.03 | 4.13 | 17.6 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168672BS**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** PB168672BS **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| delta-BHC | 1 | 4.77 | 4.72 | 4.82 | 19.2 | 4.8 |
| | 2 | 4.26 | 4.21 | 4.31 | 18.3 | |
| Heptachlor epoxide | 1 | 5.70 | 5.65 | 5.75 | 18.0 | 7 |
| | 2 | 4.87 | 4.82 | 4.92 | 19.3 | |
| Endosulfan I | 1 | 6.08 | 6.03 | 6.13 | 18.3 | 0.5 |
| | 2 | 5.25 | 5.20 | 5.30 | 18.4 | |
| gamma-Chlordane | 1 | 5.95 | 5.90 | 6.00 | 18.5 | 3.3 |
| | 2 | 5.13 | 5.08 | 5.18 | 17.9 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 18.4 | 2.2 |
| | 2 | 5.51 | 5.46 | 5.56 | 18.0 | |
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 16.5 | 0 |
| | 2 | 5.79 | 5.74 | 5.84 | 16.5 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168718BS**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** PB168718BS **Date(s) Analyzed:** 07/03/2025 07/03/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Endrin aldehyde | 1 | 6.92 | 6.87 | 6.97 | 0.56 | 1.7 |
| | 2 | 6.26 | 6.21 | 6.31 | 0.55 | |
| Methoxychlor | 1 | 7.50 | 7.45 | 7.55 | 0.42 | 5.3 |
| | 2 | 6.75 | 6.70 | 6.80 | 0.44 | |
| Endrin ketone | 1 | 7.63 | 7.58 | 7.68 | 0.56 | 0.6 |
| | 2 | 6.99 | 6.94 | 7.04 | 0.55 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 0.55 | 1 |
| | 2 | 3.73 | 3.68 | 3.78 | 0.56 | |
| Heptachlor | 1 | 4.93 | 4.88 | 4.98 | 0.54 | 2.3 |
| | 2 | 4.08 | 4.03 | 4.13 | 0.52 | |
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 0.55 | 0.5 |
| | 2 | 4.87 | 4.82 | 4.92 | 0.55 | |
| gamma-Chlordane | 1 | 5.95 | 5.90 | 6.00 | 0.57 | 4.4 |
| | 2 | 5.13 | 5.08 | 5.18 | 0.55 | |
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 0.49 | 2.8 |
| | 2 | 5.79 | 5.74 | 5.84 | 0.48 | |
| 4,4'-DDD | 1 | 6.71 | 6.66 | 6.76 | 0.59 | 5.1 |
| | 2 | 5.93 | 5.88 | 5.98 | 0.56 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 0.56 | 2.5 |
| | 2 | 5.38 | 5.33 | 5.43 | 0.55 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 0.48 | 1.3 |
| | 2 | 6.18 | 6.13 | 6.23 | 0.47 | |
| alpha-BHC | 1 | 4.00 | 3.95 | 4.05 | 0.56 | 1 |
| | 2 | 3.39 | 3.34 | 3.44 | 0.56 | |
| Aldrin | 1 | 5.27 | 5.22 | 5.32 | 0.56 | 1.3 |
| | 2 | 4.37 | 4.32 | 4.42 | 0.56 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 0.56 | 1.9 |
| | 2 | 5.19 | 5.14 | 5.24 | 0.55 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168718BS**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** PB168718BS **Date(s) Analyzed:** 07/03/2025 07/03/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Endosulfan II | 1 | 6.79 | 6.74 | 6.84 | 0.57 | 3.2 |
| | 2 | 6.08 | 6.03 | 6.13 | 0.55 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 0.55 | 0.6 |
| | 2 | 6.48 | 6.43 | 6.53 | 0.55 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 0.53 | 2.8 |
| | 2 | 4.03 | 3.98 | 4.08 | 0.54 | |
| delta-BHC | 1 | 4.77 | 4.72 | 4.82 | 0.59 | 6 |
| | 2 | 4.26 | 4.21 | 4.31 | 0.55 | |
| Endosulfan I | 1 | 6.08 | 6.03 | 6.13 | 0.56 | 0.8 |
| | 2 | 5.25 | 5.20 | 5.30 | 0.55 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 0.57 | 2.4 |
| | 2 | 5.51 | 5.46 | 5.56 | 0.55 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168718BSD**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** PB168718BSD **Date(s) Analyzed:** 07/03/2025 07/03/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 1 | 6.71 | 6.66 | 6.76 | 0.58 | 4.1 |
| | 2 | 5.93 | 5.88 | 5.98 | 0.56 | |
| 4,4'-DDT | 1 | 7.03 | 6.98 | 7.08 | 0.47 | 0.6 |
| | 2 | 6.18 | 6.13 | 6.23 | 0.47 | |
| alpha-BHC | 1 | 4.01 | 3.96 | 4.06 | 0.55 | 1.1 |
| | 2 | 3.39 | 3.34 | 3.44 | 0.56 | |
| Aldrin | 1 | 5.28 | 5.23 | 5.33 | 0.56 | 0.6 |
| | 2 | 4.37 | 4.32 | 4.42 | 0.55 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 0.52 | 2.8 |
| | 2 | 4.03 | 3.98 | 4.08 | 0.54 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 0.55 | 1.4 |
| | 2 | 5.19 | 5.14 | 5.24 | 0.54 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 0.55 | 1.2 |
| | 2 | 5.38 | 5.33 | 5.43 | 0.55 | |
| Endosulfan II | 1 | 6.79 | 6.74 | 6.84 | 0.56 | 2.7 |
| | 2 | 6.08 | 6.03 | 6.13 | 0.54 | |
| Endrin aldehyde | 1 | 6.92 | 6.87 | 6.97 | 0.55 | 0.8 |
| | 2 | 6.26 | 6.21 | 6.31 | 0.55 | |
| Endosulfan sulfate | 1 | 7.16 | 7.11 | 7.21 | 0.55 | 0.1 |
| | 2 | 6.48 | 6.43 | 6.53 | 0.55 | |
| Methoxychlor | 1 | 7.50 | 7.45 | 7.55 | 0.42 | 5.6 |
| | 2 | 6.76 | 6.71 | 6.81 | 0.44 | |
| Endrin ketone | 1 | 7.64 | 7.59 | 7.69 | 0.55 | 0.6 |
| | 2 | 6.99 | 6.94 | 7.04 | 0.55 | |
| gamma-BHC (Lindane) | 1 | 4.34 | 4.29 | 4.39 | 0.55 | 1.2 |
| | 2 | 3.73 | 3.68 | 3.78 | 0.55 | |
| Heptachlor | 1 | 4.94 | 4.89 | 4.99 | 0.53 | 1.4 |
| | 2 | 4.08 | 4.03 | 4.13 | 0.52 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168718BSD**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** PB168718BSD **Date(s) Analyzed:** 07/03/2025 07/03/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| delta-BHC | 1 | 4.77 | 4.72 | 4.82 | 0.57 | 3.9 |
| | 2 | 4.26 | 4.21 | 4.31 | 0.55 | |
| Heptachlor epoxide | 1 | 5.70 | 5.65 | 5.75 | 0.54 | 1.5 |
| | 2 | 4.87 | 4.82 | 4.92 | 0.55 | |
| Endosulfan I | 1 | 6.08 | 6.03 | 6.13 | 0.55 | 0.1 |
| | 2 | 5.25 | 5.20 | 5.30 | 0.55 | |
| gamma-Chlordane | 1 | 5.95 | 5.90 | 6.00 | 0.56 | 3.3 |
| | 2 | 5.13 | 5.08 | 5.18 | 0.55 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 0.56 | 2 |
| | 2 | 5.51 | 5.46 | 5.56 | 0.55 | |
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 0.48 | 1 |
| | 2 | 5.79 | 5.74 | 5.84 | 0.48 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-60**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-06 **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 0.15 | 80.9 |
| | 2 | 6.18 | 6.13 | 6.23 | 0.36 | |
| gamma-Chlordane | 1 | 5.94 | 5.89 | 5.99 | 0.46 | 35.9 |
| | 2 | 5.12 | 5.07 | 5.17 | 0.32 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 0.90 | 43.7 |
| | 2 | 5.19 | 5.14 | 5.24 | 0.58 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-63**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-08 **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 1 | 6.70 | 6.65 | 6.75 | 0.41 | 25.2 |
| | 2 | 5.93 | 5.88 | 5.98 | 0.32 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 0.24 | 57.6 |
| | 2 | 6.18 | 6.13 | 6.23 | 0.44 | |
| gamma-Chlordane | 1 | 5.94 | 5.89 | 5.99 | 0.40 | 31.4 |
| | 2 | 5.12 | 5.07 | 5.17 | 0.29 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 0.58 | 22.7 |
| | 2 | 5.19 | 5.14 | 5.24 | 0.47 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-66**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-05 **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 0.24 | 48.8 |
| | 2 | 6.18 | 6.13 | 6.23 | 0.40 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-67**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-04 **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| gamma-Chlordane | 1 | 5.94 | 5.89 | 5.99 | 0.29 | 20 |
| | 2 | 5.13 | 5.08 | 5.18 | 0.23 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 0.48 | 48.1 |
| | 2 | 5.19 | 5.14 | 5.24 | 0.29 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 0.21 | 49.7 |
| | 2 | 5.37 | 5.32 | 5.42 | 0.34 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-67MS**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-04MS **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 1 | 6.71 | 6.66 | 6.76 | 18.4 | 7.9 |
| | 2 | 5.93 | 5.88 | 5.98 | 17.0 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 14.0 | 1.4 |
| | 2 | 6.18 | 6.13 | 6.23 | 14.2 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 18.0 | 0.6 |
| | 2 | 5.38 | 5.33 | 5.43 | 17.9 | |
| Endosulfan II | 1 | 6.79 | 6.74 | 6.84 | 17.1 | 0.6 |
| | 2 | 6.08 | 6.03 | 6.13 | 17.2 | |
| Endrin aldehyde | 1 | 6.92 | 6.87 | 6.97 | 16.8 | 1.2 |
| | 2 | 6.26 | 6.21 | 6.31 | 16.6 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 16.4 | 1.8 |
| | 2 | 6.48 | 6.43 | 6.53 | 16.1 | |
| Methoxychlor | 1 | 7.49 | 7.44 | 7.54 | 13.4 | 0.7 |
| | 2 | 6.75 | 6.70 | 6.80 | 13.3 | |
| Endrin ketone | 1 | 7.63 | 7.58 | 7.68 | 17.2 | 5.4 |
| | 2 | 6.99 | 6.94 | 7.04 | 16.3 | |
| alpha-BHC | 1 | 4.00 | 3.95 | 4.05 | 17.7 | 0 |
| | 2 | 3.39 | 3.34 | 3.44 | 17.7 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 17.5 | 0 |
| | 2 | 3.73 | 3.68 | 3.78 | 17.5 | |
| Heptachlor | 1 | 4.93 | 4.88 | 4.98 | 16.5 | 1.2 |
| | 2 | 4.08 | 4.03 | 4.13 | 16.3 | |
| Aldrin | 1 | 5.27 | 5.22 | 5.32 | 18.0 | 0.6 |
| | 2 | 4.37 | 4.32 | 4.42 | 17.9 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 17.3 | 1.7 |
| | 2 | 4.03 | 3.98 | 4.08 | 17.6 | |
| delta-BHC | 1 | 4.76 | 4.71 | 4.81 | 17.9 | 5.7 |
| | 2 | 4.26 | 4.21 | 4.31 | 16.9 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-67MS**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-04MS **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 17.6 | 3.4 |
| | 2 | 4.87 | 4.82 | 4.92 | 18.2 | |
| Endosulfan I | 1 | 6.07 | 6.02 | 6.12 | 17.8 | 1.1 |
| | 2 | 5.25 | 5.20 | 5.30 | 17.6 | |
| gamma-Chlordane | 1 | 5.94 | 5.89 | 5.99 | 18.2 | 0.5 |
| | 2 | 5.13 | 5.08 | 5.18 | 18.3 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 18.0 | 0.6 |
| | 2 | 5.19 | 5.14 | 5.24 | 17.9 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 17.6 | 0.6 |
| | 2 | 5.51 | 5.46 | 5.56 | 17.7 | |
| Endrin | 1 | 6.57 | 6.52 | 6.62 | 16.6 | 1.8 |
| | 2 | 5.79 | 5.74 | 5.84 | 16.9 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-67MSD**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-04MSD **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Endosulfan II | 1 | 6.79 | 6.74 | 6.84 | 17.3 | 0.6 |
| | 2 | 6.08 | 6.03 | 6.13 | 17.4 | |
| 4,4'-DDD | 1 | 6.71 | 6.66 | 6.76 | 19.0 | 8.8 |
| | 2 | 5.93 | 5.88 | 5.98 | 17.4 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 14.7 | 2 |
| | 2 | 6.18 | 6.13 | 6.23 | 15.0 | |
| Endrin aldehyde | 1 | 6.92 | 6.87 | 6.97 | 17.3 | 0.6 |
| | 2 | 6.26 | 6.21 | 6.31 | 17.2 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 17.1 | 1.2 |
| | 2 | 6.48 | 6.43 | 6.53 | 16.9 | |
| Methoxychlor | 1 | 7.49 | 7.44 | 7.54 | 13.8 | 2.9 |
| | 2 | 6.75 | 6.70 | 6.80 | 14.2 | |
| Endrin ketone | 1 | 7.63 | 7.58 | 7.68 | 17.7 | 4 |
| | 2 | 6.99 | 6.94 | 7.04 | 17.0 | |
| alpha-BHC | 1 | 4.00 | 3.95 | 4.05 | 18.2 | 0.6 |
| | 2 | 3.39 | 3.34 | 3.44 | 18.1 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 18.2 | 1.1 |
| | 2 | 3.73 | 3.68 | 3.78 | 18.0 | |
| Heptachlor | 1 | 4.93 | 4.88 | 4.98 | 16.9 | 0.6 |
| | 2 | 4.08 | 4.03 | 4.13 | 16.8 | |
| Aldrin | 1 | 5.27 | 5.22 | 5.32 | 18.2 | 0.6 |
| | 2 | 4.37 | 4.32 | 4.42 | 18.1 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 17.4 | 2.8 |
| | 2 | 4.03 | 3.98 | 4.08 | 17.9 | |
| delta-BHC | 1 | 4.76 | 4.71 | 4.81 | 19.0 | 6.5 |
| | 2 | 4.26 | 4.21 | 4.31 | 17.8 | |
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 17.7 | 3.3 |
| | 2 | 4.87 | 4.82 | 4.92 | 18.3 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-67MSD**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-04MSD **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Endosulfan I | 1 | 6.07 | 6.02 | 6.12 | 17.9 | 0 |
| | 2 | 5.25 | 5.20 | 5.30 | 17.9 | |
| gamma-Chlordane | 1 | 5.95 | 5.90 | 6.00 | 18.2 | 1.1 |
| | 2 | 5.13 | 5.08 | 5.18 | 18.4 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 18.2 | 1.1 |
| | 2 | 5.19 | 5.14 | 5.24 | 18.0 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 18.0 | 0.6 |
| | 2 | 5.38 | 5.33 | 5.43 | 17.9 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 17.8 | 0.6 |
| | 2 | 5.51 | 5.46 | 5.56 | 17.9 | |
| Endrin | 1 | 6.57 | 6.52 | 6.62 | 16.9 | 1.8 |
| | 2 | 5.79 | 5.74 | 5.84 | 17.2 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-76**

**Lab Name:** Alliance **Contract:** CAMP02

**Lab Code:** ACE **SDG NO.:** Q2458

**Lab Sample ID:** Q2458-01 **Date(s) Analyzed:** 07/01/2025 07/01/2025

**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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDT | 1 | 7.03 | 6.98 | 7.08 | 0.51 | 80 |
| | 2 | 6.18 | 6.13 | 6.23 | 1.20 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 0.50 | 117.2 |
| | 2 | 5.51 | 5.46 | 5.56 | 1.90 | |
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 0.66 | 8.1 |
| | 2 | 5.78 | 5.73 | 5.83 | 0.61 | |

# QC SAMPLE DATA

Raw Data: **PD089270.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168672BL | SDG No.: | Q2458 |
| Lab Sample ID: | PB168672BL | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089270.D | 1 | 07/01/25 08:30 | 07/01/25 14:33 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.13 | U | 0.13 | 1.70 | ug/kg |
| 319-85-7 | beta-BHC | 0.18 | U | 0.18 | 1.70 | ug/kg |
| 319-86-8 | delta-BHC | 0.39 | U | 0.39 | 1.70 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 76-44-8 | Heptachlor | 0.12 | U | 0.12 | 1.70 | ug/kg |
| 309-00-2 | Aldrin | 0.12 | U | 0.12 | 1.70 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.19 | U | 0.19 | 1.70 | ug/kg |
| 959-98-8 | Endosulfan I | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 60-57-1 | Dieldrin | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 72-20-8 | Endrin | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.29 | U | 0.29 | 1.70 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.15 | U | 0.15 | 1.70 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.13 | U | 0.13 | 1.70 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 72-43-5 | Methoxychlor | 0.37 | U | 0.37 | 1.70 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.19 | U | 0.19 | 1.70 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.37 | U | 0.37 | 1.70 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.12 | U | 0.12 | 1.70 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.15 | U | 0.15 | 1.70 | ug/kg |
| 8001-35-2 | Toxaphene | 5.40 | U | 5.40 | 33.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 17.3 | | 20 - 144 | 87% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.0 | | 19 - 148 | 100% | SPK: 20 |

Raw Data: **PD089270.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168672BL | SDG No.: | Q2458 |
| Lab Sample ID: | PB168672BL | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089270.D | 1 | 07/01/25 08:30 | 07/01/25 14:33 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 14:33
Operator : AR\AJ
Sample : PB168672BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB168672BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:46:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 48153247 | 338.4E6 | 16.877 | 19.961 |
| 28) | SA Decachlor... | 9.073 | 8.072 | 66591215 | 342.5E6 | 16.955 | 17.322 |
| | Target Compounds | | | | | | |

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

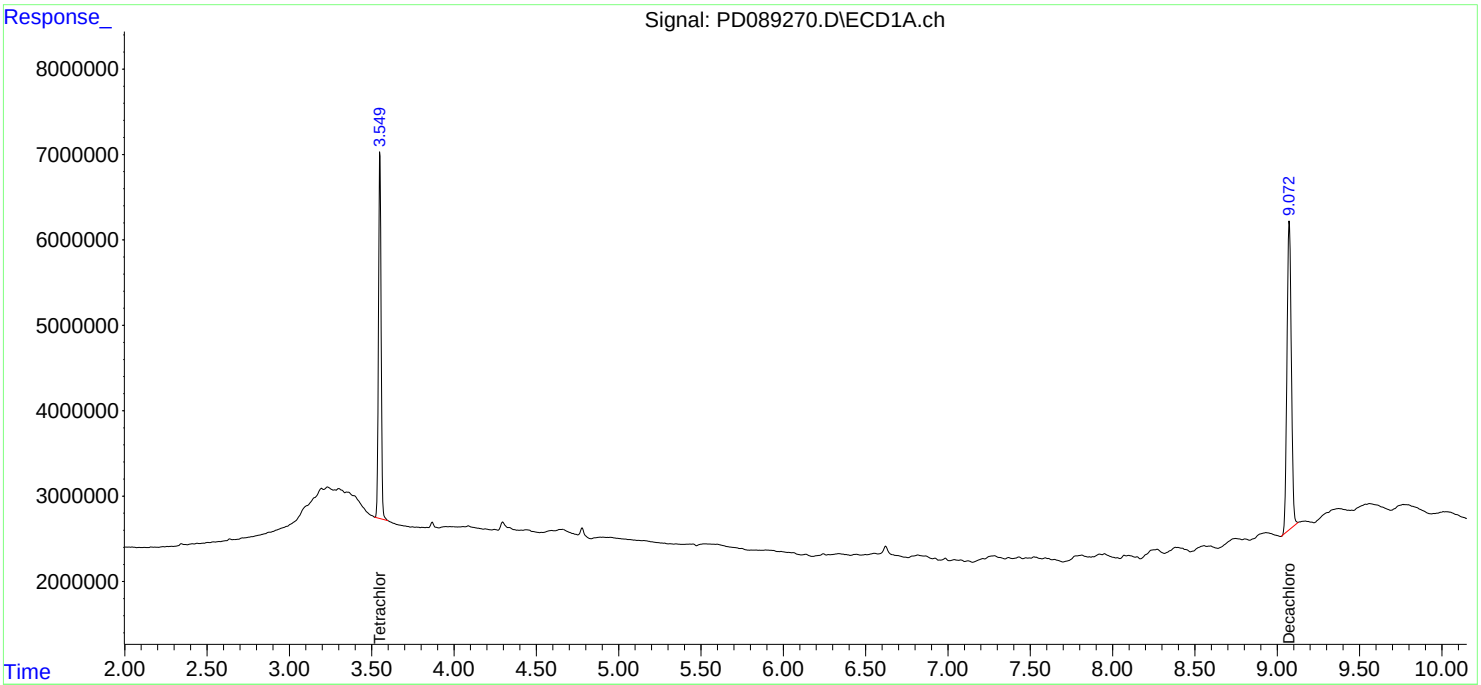
Sample Results: **PD089270.D**

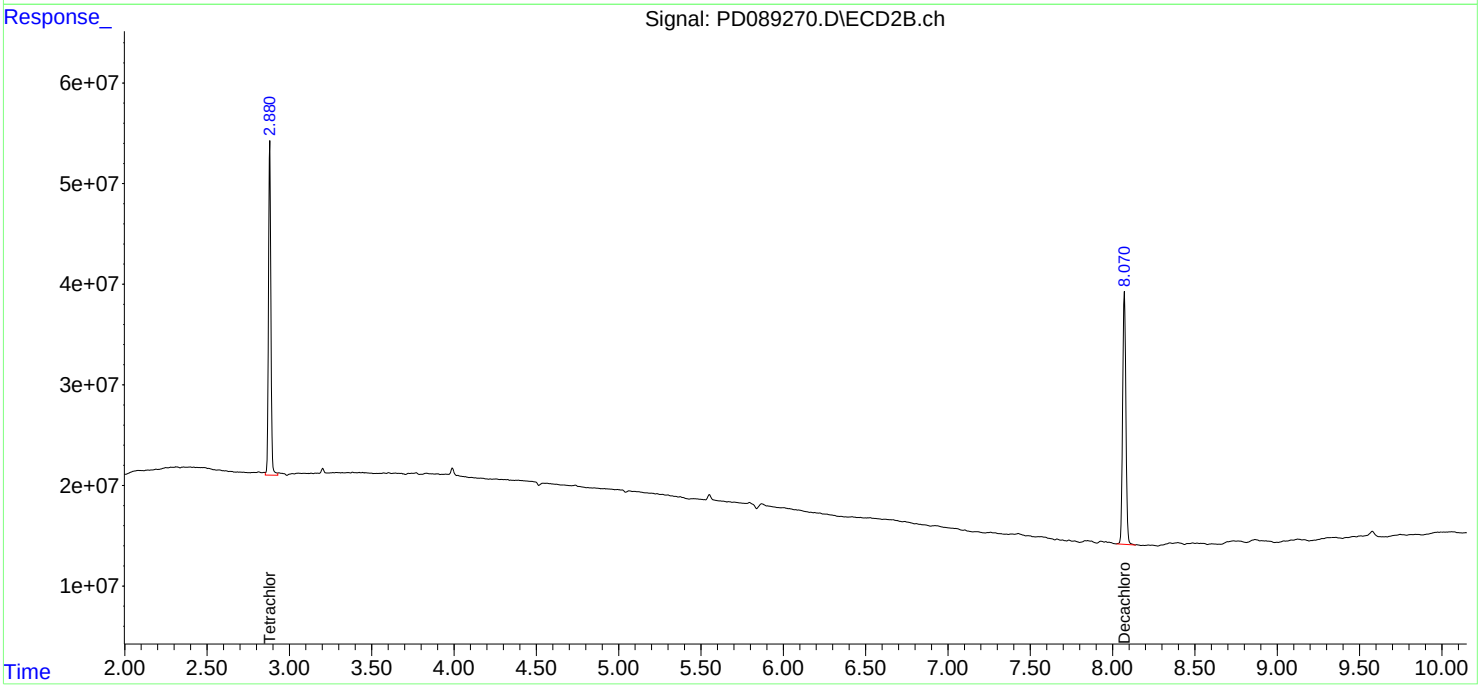
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 14:33
Operator : AR\AJ
Sample : PB168672BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

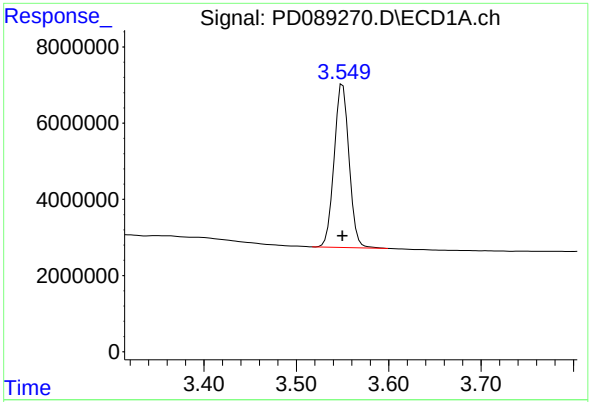
**Instrument :**
ECD_D
**ClientSampleId :**
PB168672BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:46:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



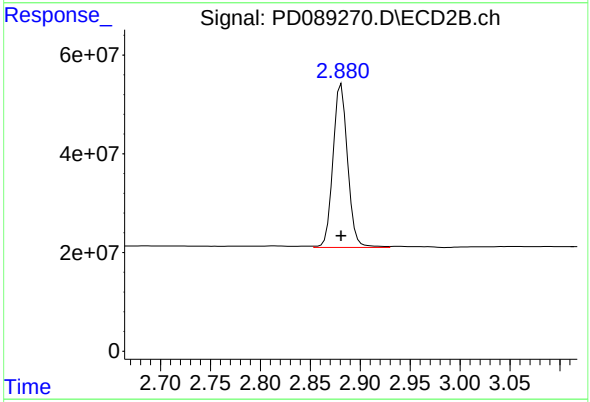






#1 Tetrachloro-m-xylene

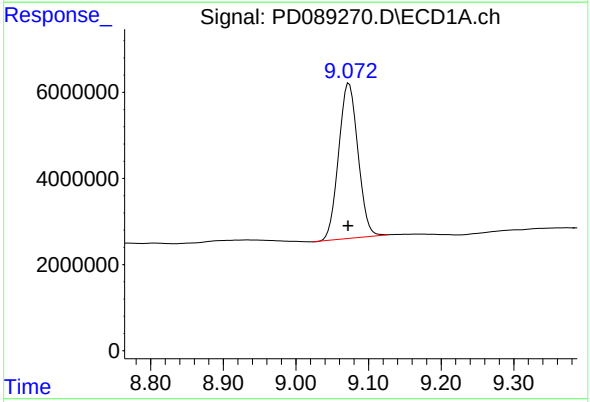
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 48153247
Conc: 16.88 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
PB168672BL



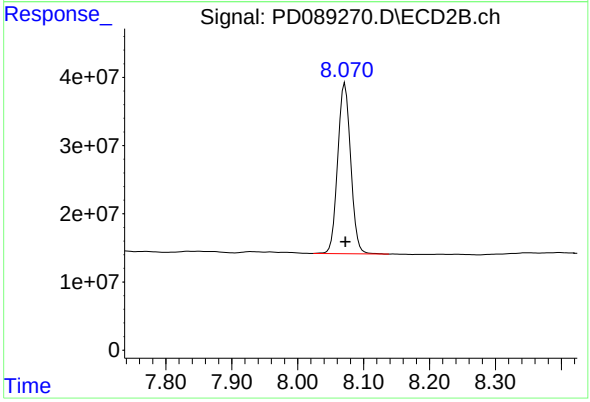

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 338405153
Conc: 19.96 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 66591215
Conc: 16.95 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 342462571
Conc: 17.32 ng/ml

Raw Data: **PD089329.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168718BL | SDG No.: | Q2458 |
| Lab Sample ID: | PB168718BL | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089329.D | 1 | 07/03/25 08:58 | 07/03/25 13:55 | PB168718 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 19.0 | | 57 - 171 | 95% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.4 | | 61 - 148 | 102% | SPK: 20 |

Raw Data: **PD089329.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168718BL | SDG No.: | Q2458 |
| Lab Sample ID: | PB168718BL | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089329.D | 1 | 07/03/25 08:58 | 07/03/25 13:55 | PB168718 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089329.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 13:55
Operator : AR\AJ
Sample : PB168718BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB168718BL

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.557 | 2.879 | 52031894 | 345.5E6 | 18.237 | 20.379m |
| 28) | SA Decachlor... | 9.084 | 8.075 | 73890119 | 376.5E6 | 18.813 | 19.044 |
| | Target Compounds | | | | | | |

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

Sample Results: **PD089329.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 13:55
Operator : AR\AJ
Sample : PB168718BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

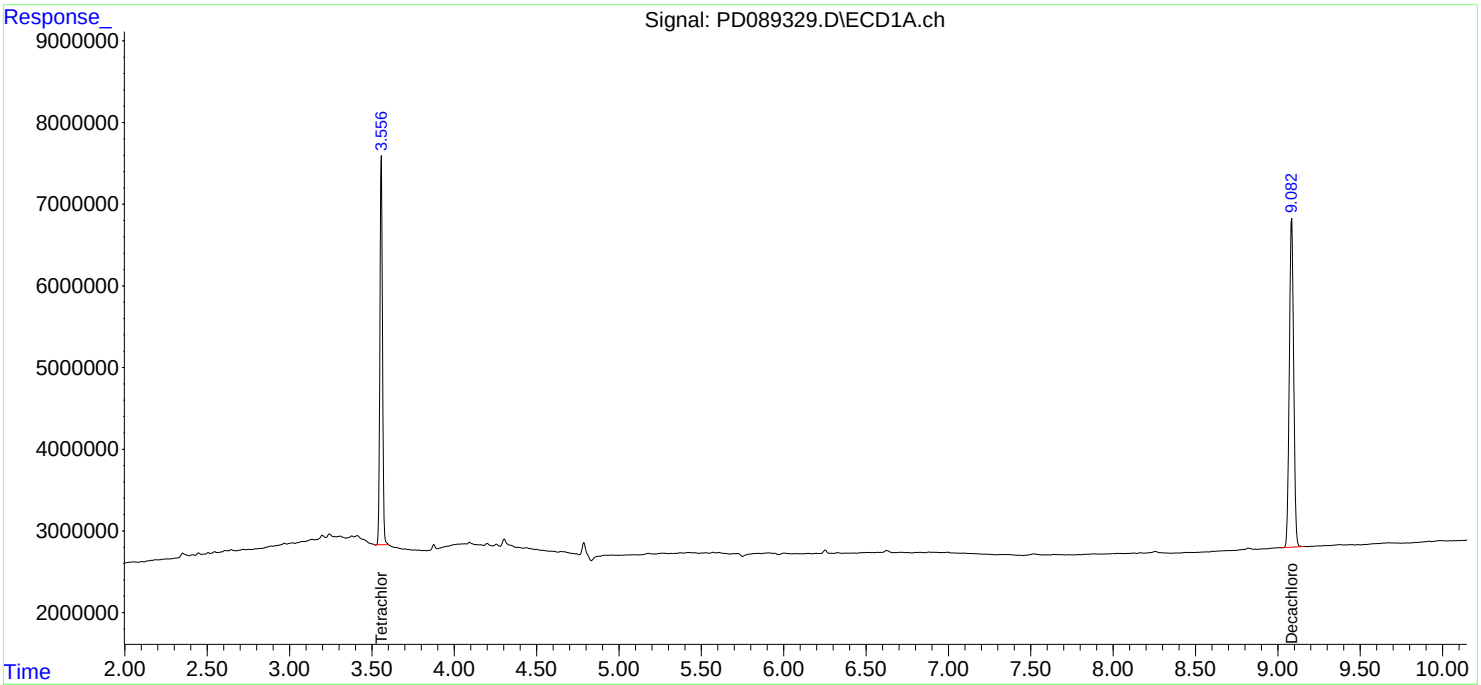
**Instrument :**
ECD_D
**ClientSampleId :**
PB168718BL

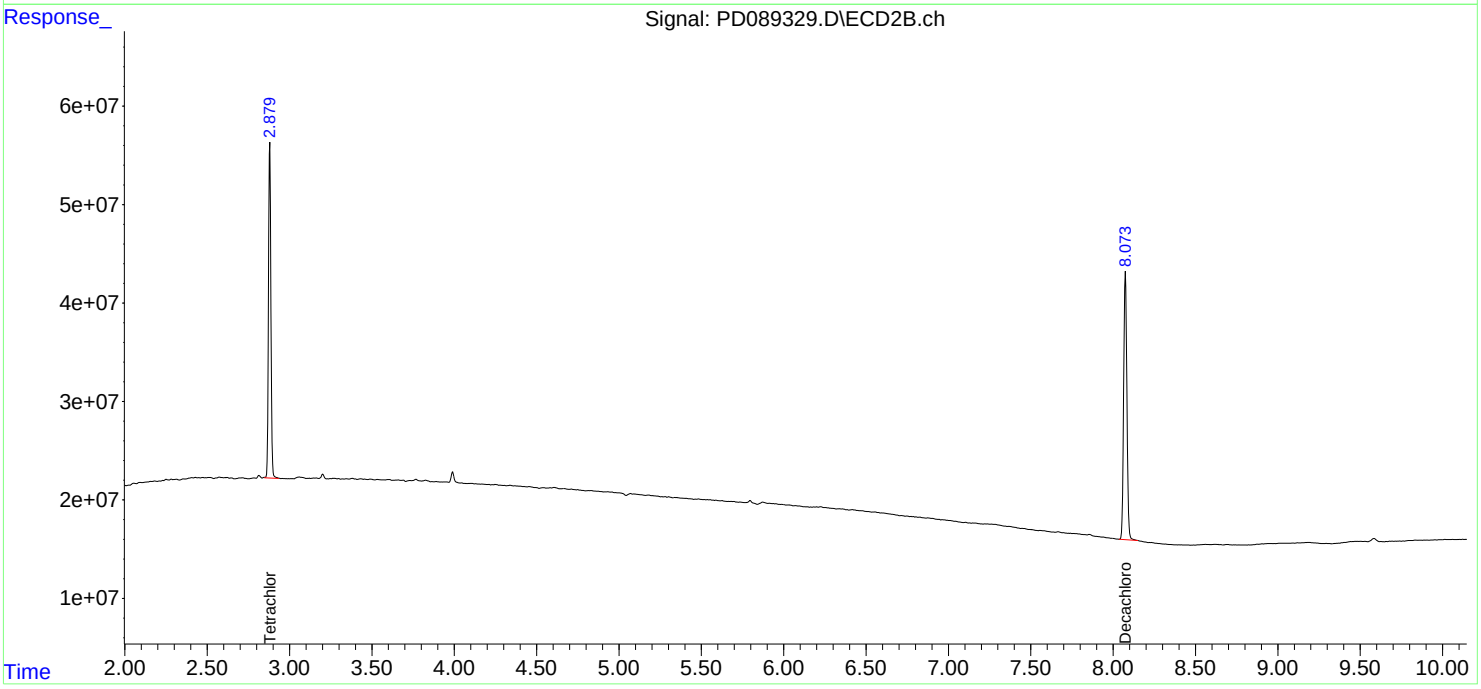
**Manual Integrations APPROVED**

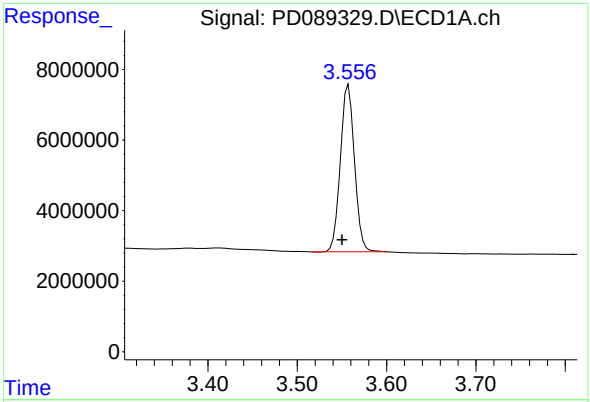
Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





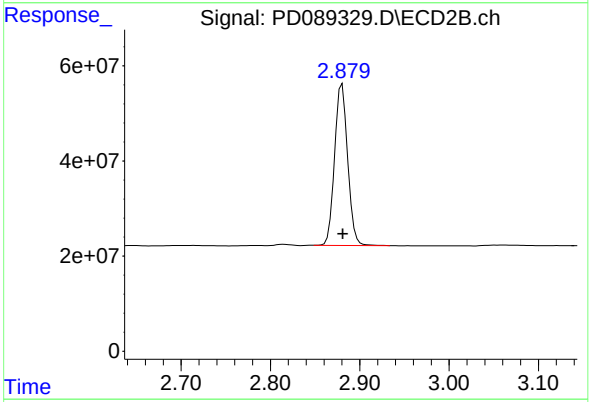

#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.007 min
Response: 52031894
Conc: 18.24 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
PB168718BL

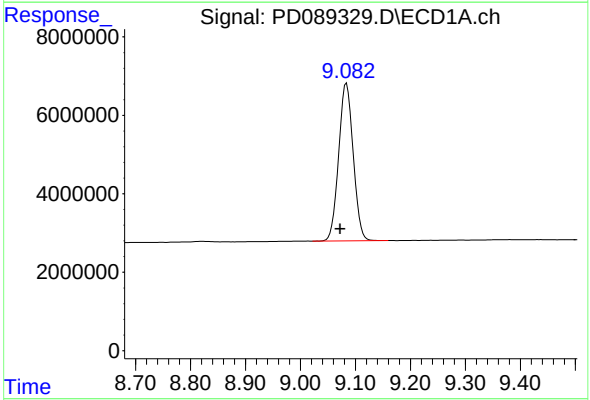
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025



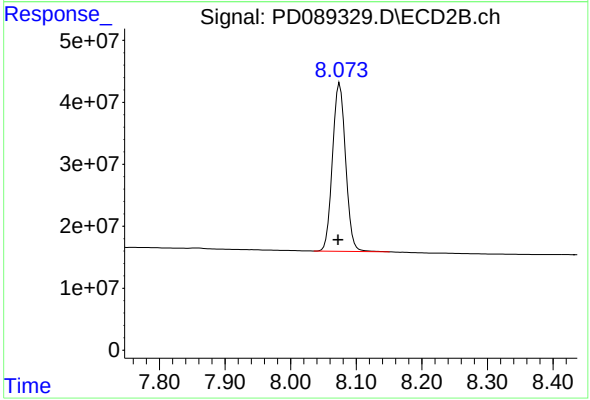

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 345485307
Conc: 20.38 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.084 min
Delta R.T.: 0.012 min
Response: 73890119
Conc: 18.81 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: 0.003 min
Response: 376506282
Conc: 19.04 ng/ml

Raw Data: **PD088990.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/17/25 |
| Project: | South River WM Replacement | Date Received: | 06/17/25 |
| Client Sample ID: | PIBLK-PD088990.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD088990.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD088990.D | 1 | | 06/17/25 | PD061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 18.6 | | 57 - 171 | 93% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 17.7 | | 61 - 148 | 88% | SPK: 20 |

Raw Data: **PD088990.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/17/25 |
| Project: | South River WM Replacement | Date Received: | 06/17/25 |
| Client Sample ID: | PIBLK-PD088990.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD088990.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD088990.D | 1 | | 06/17/25 | PD061825 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD088990.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
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: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.549 | 2.881 | 45828945 | 299.5E6 | 16.063 | 17.668 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 71428242 | 368.1E6 | 18.186 | 18.617 |
| | Target Compounds | | | | | | |

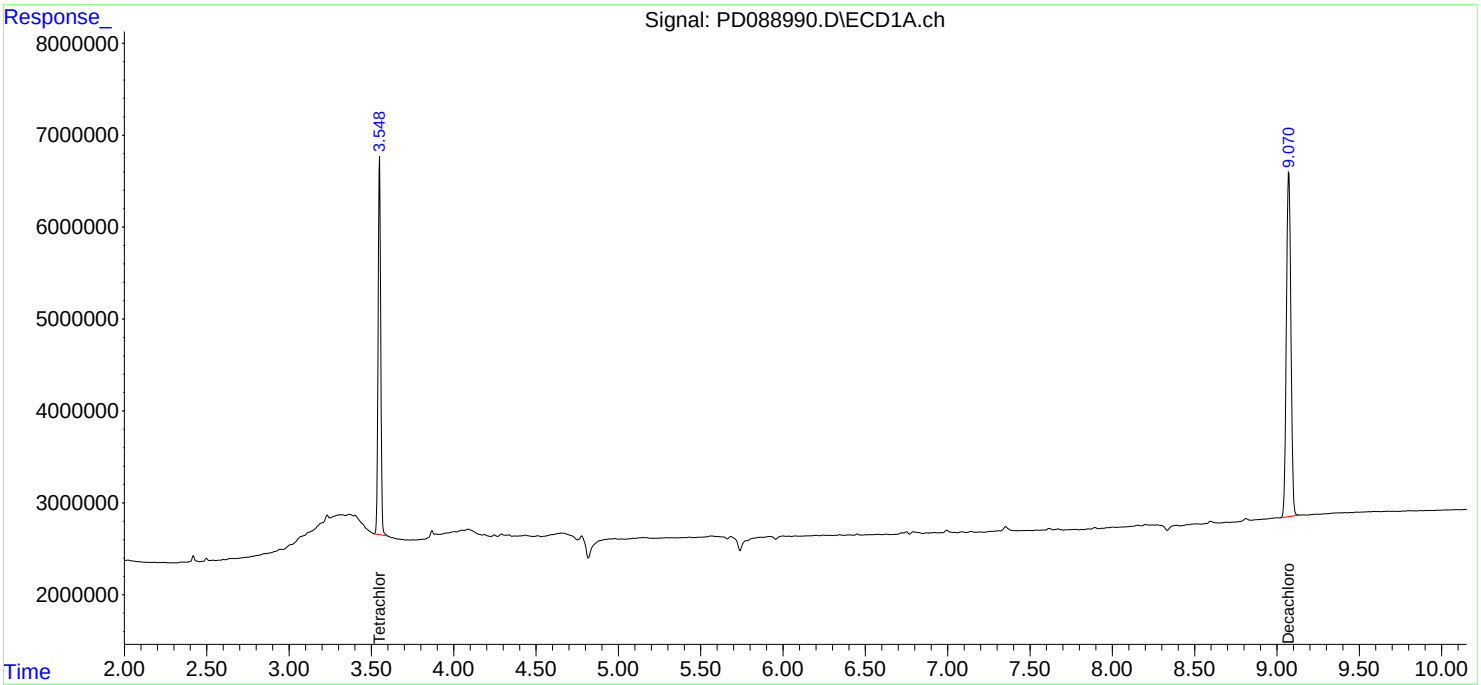
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

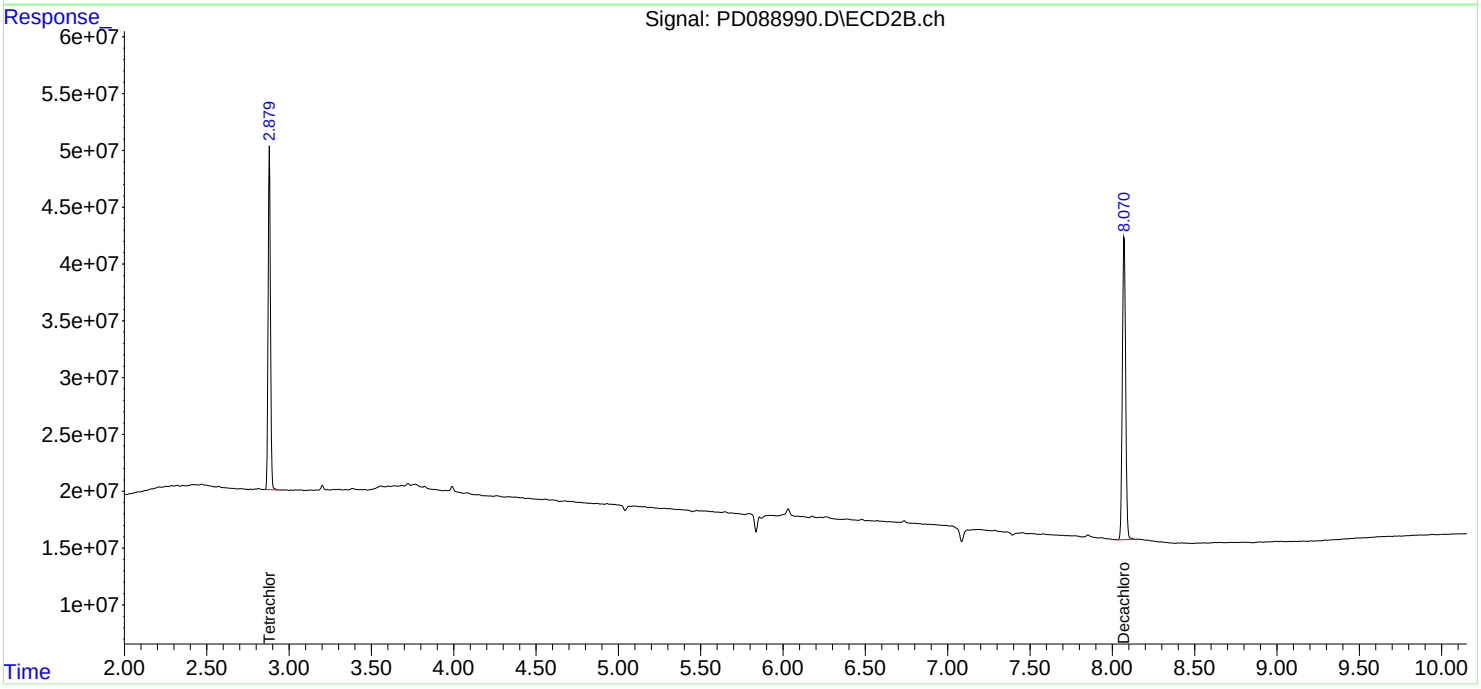
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

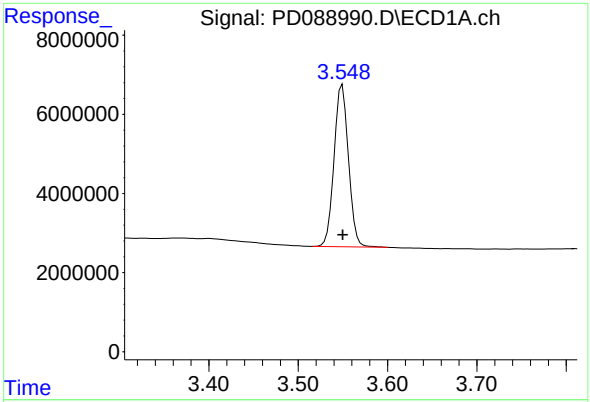
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



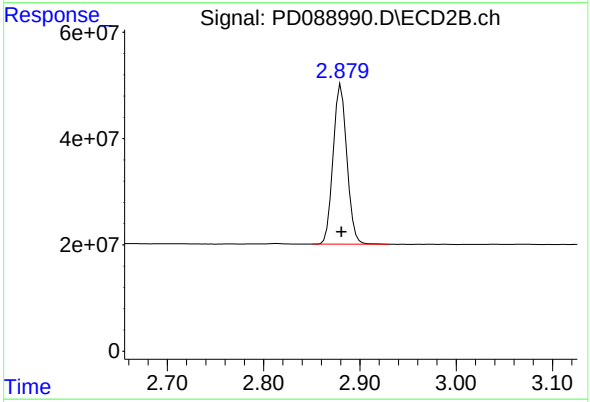






#1 Tetrachloro-m-xylene

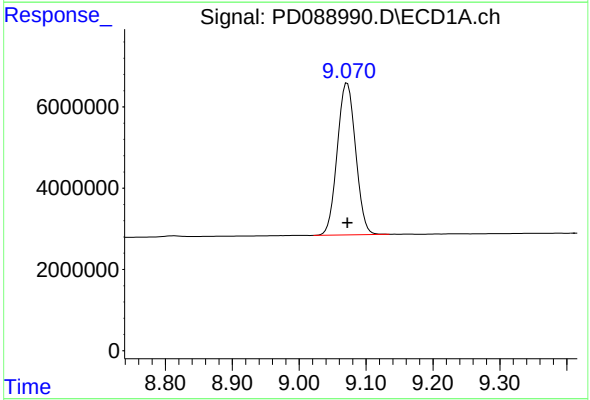
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



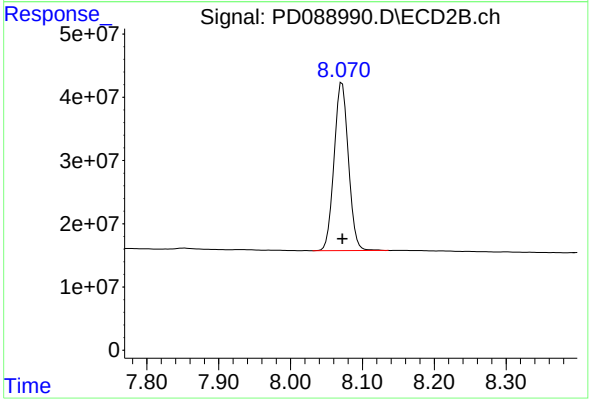

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 299529104
Conc: 17.67 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 71428242
Conc: 18.19 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 368061815
Conc: 18.62 ng/ml

Raw Data: **PD089264.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089264.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089264.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089264.D | 1 | | 07/01/25 | pd070225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 23.3 | | 57 - 171 | 117% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 22.7 | | 61 - 148 | 114% | SPK: 20 |

Raw Data: **PD089264.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089264.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089264.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089264.D | 1 | | 07/01/25 | pd070225 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 11:59
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: Jul 02 01:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.881 | 58707613 | 385.4E6 | 20.577 | 22.732 |
| 28) | SA Decachlor... | 9.073 | 8.072 | 89993686 | 460.9E6 | 22.913 | 23.314 |
| | Target Compounds | | | | | | |

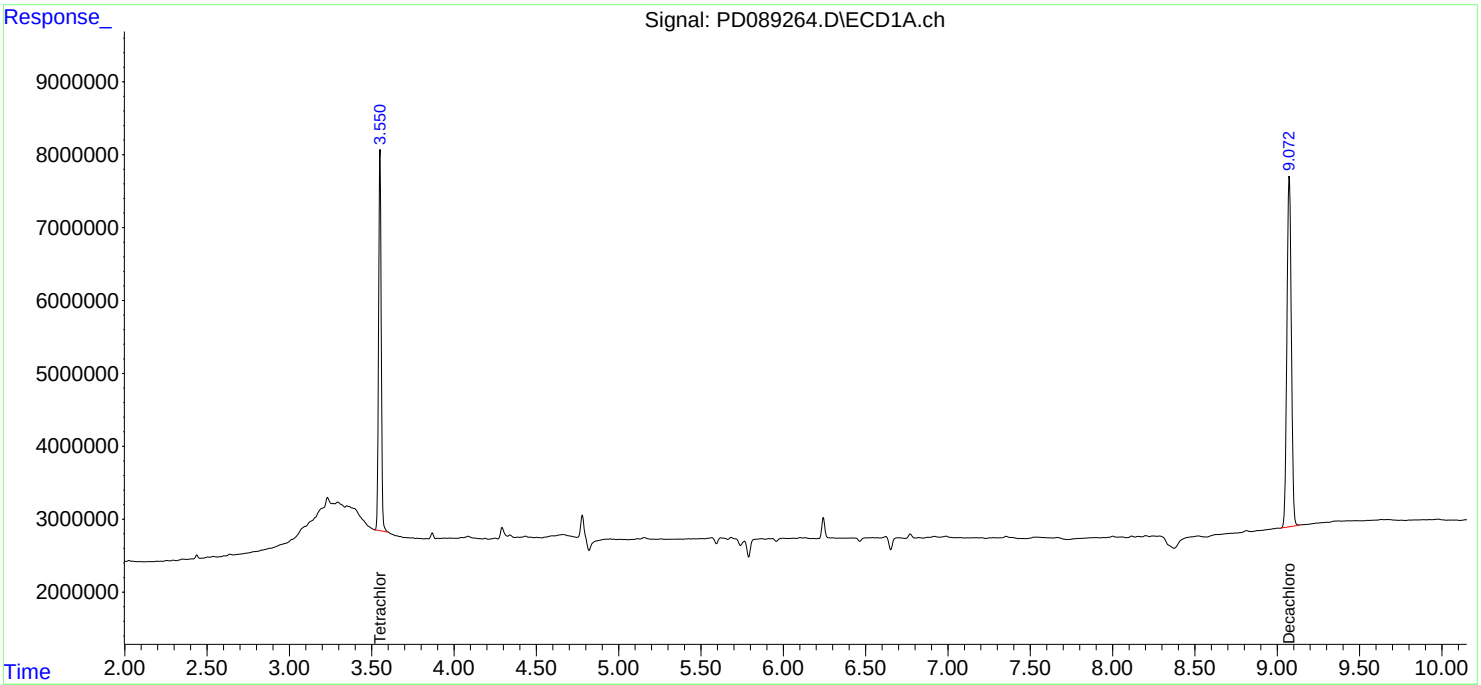
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

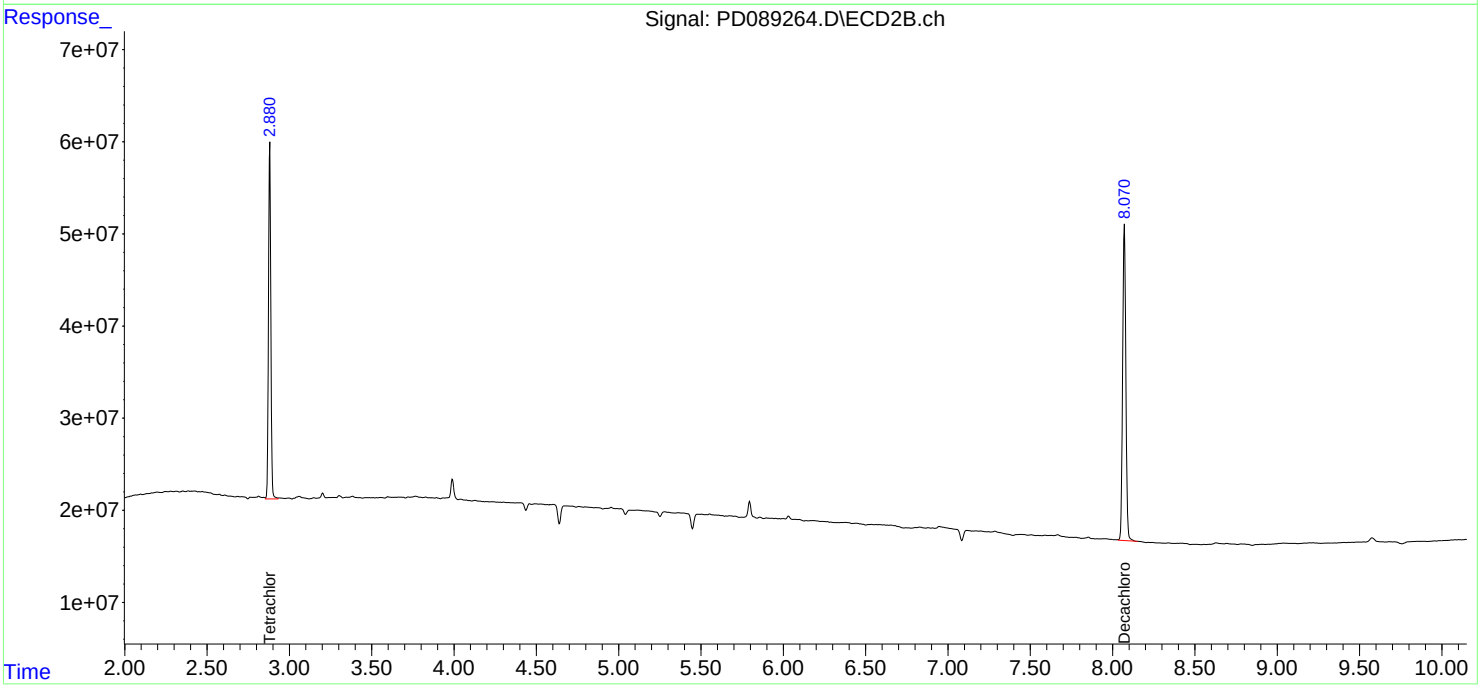
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 11:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

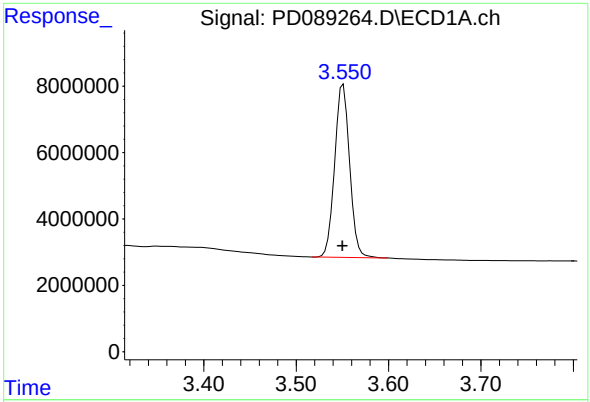
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



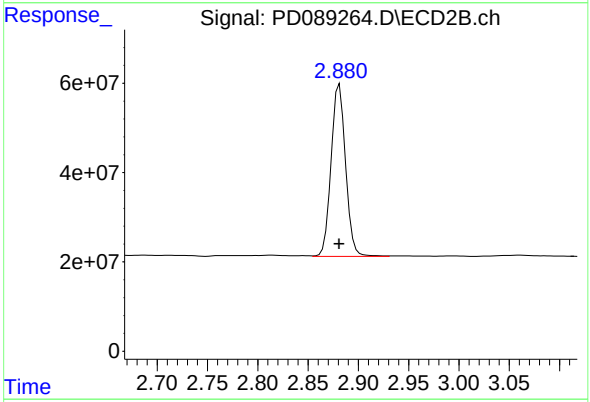






#1 Tetrachloro-m-xylene

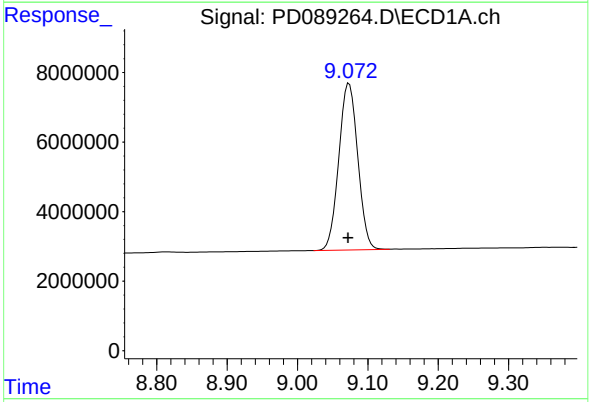
R.T.: 3.551 min
Delta R.T.: 0.001 min
Response: 58707613
Conc: 20.58 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



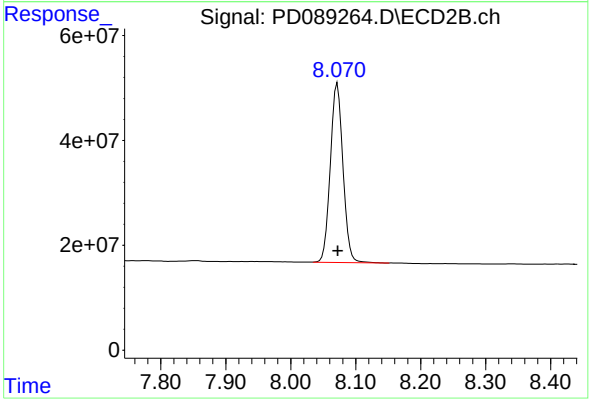

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 385371808
Conc: 22.73 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 89993686
Conc: 22.91 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 460913349
Conc: 23.31 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089276.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089276.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089276.D | 1 | | 07/01/25 | pd070225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 23.0 | | 57 - 171 | 115% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 23.2 | | 61 - 148 | 116% | SPK: 20 |

Raw Data: **PD089276.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089276.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089276.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089276.D | 1 | | 07/01/25 | pd070225 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:37
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: Jul 02 01:47:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 59714817 | 392.7E6 | 20.930 | 23.165 |
| 28) | SA Decachlor... | 9.074 | 8.072 | 90269419 | 443.3E6 | 22.983 | 22.421 |
| | Target Compounds | | | | | | |

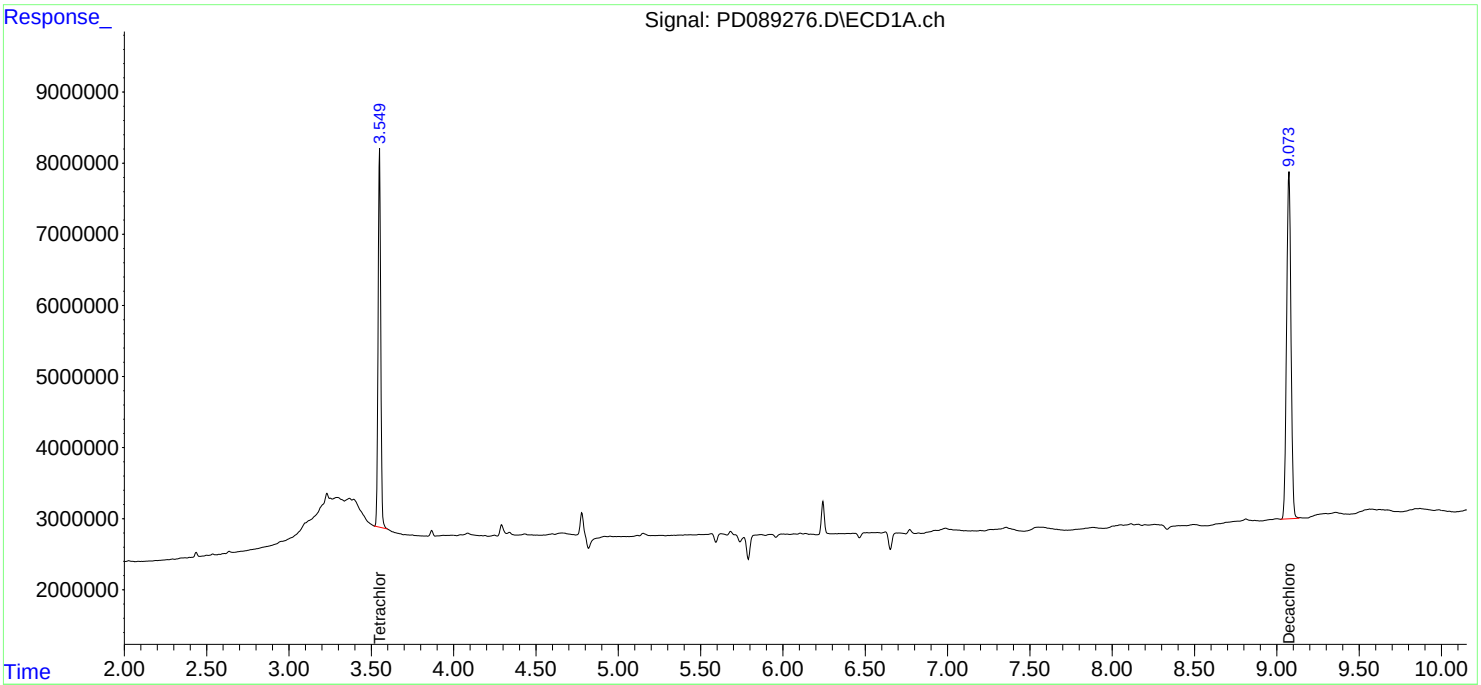
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

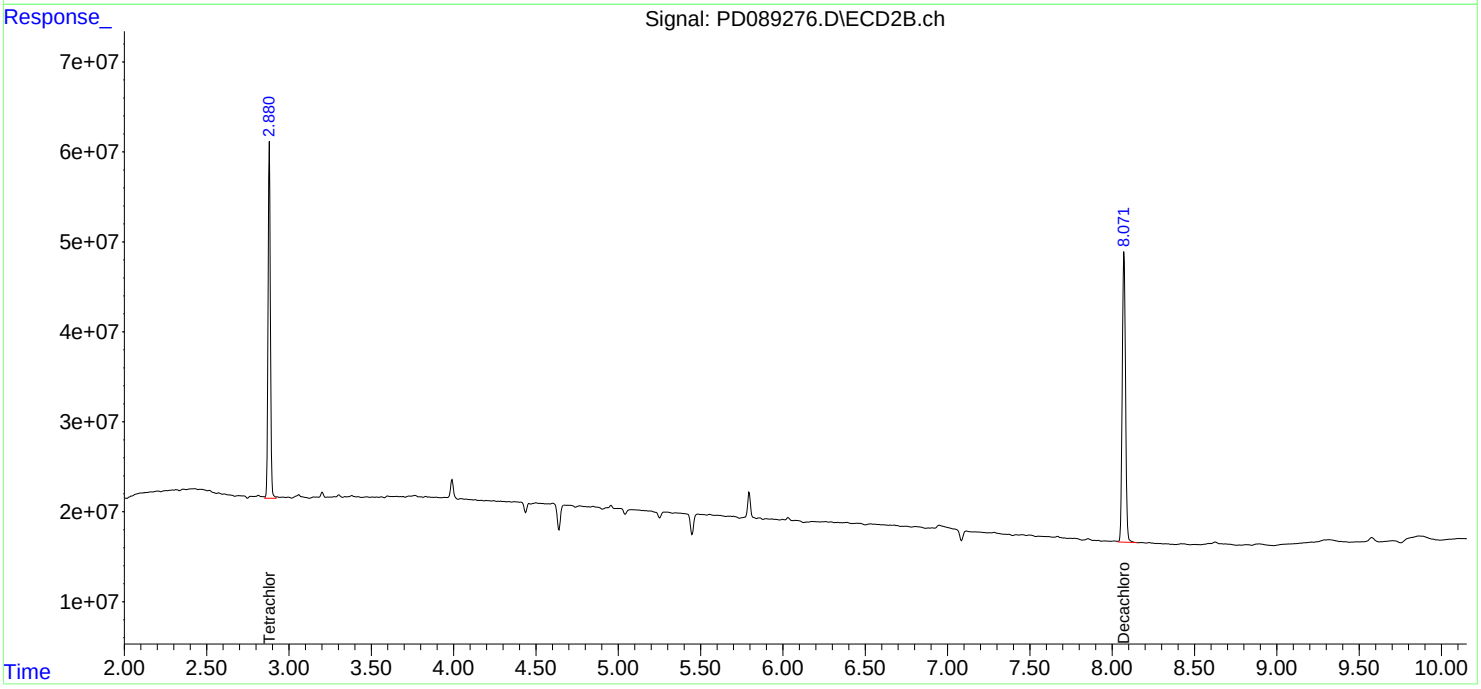
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

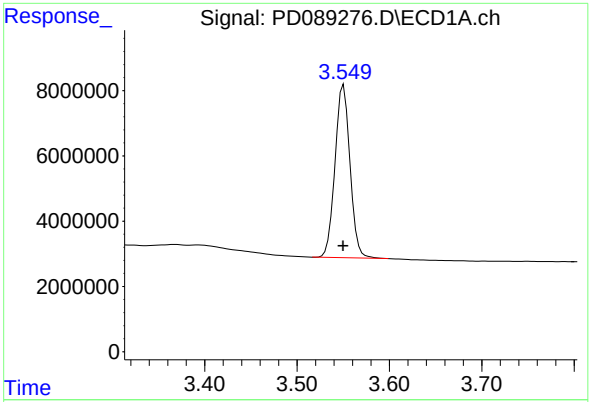
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:47:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



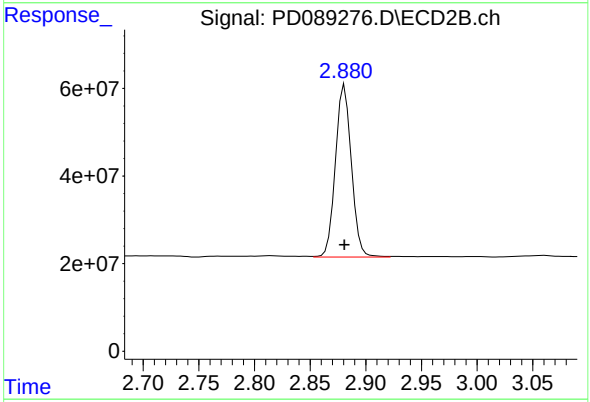






#1 Tetrachloro-m-xylene

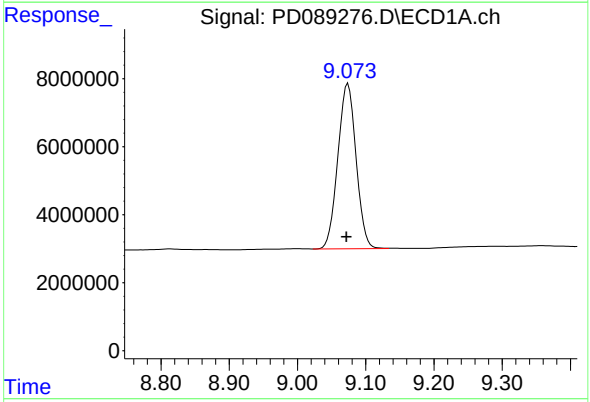
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 59714817
Conc: 20.93 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



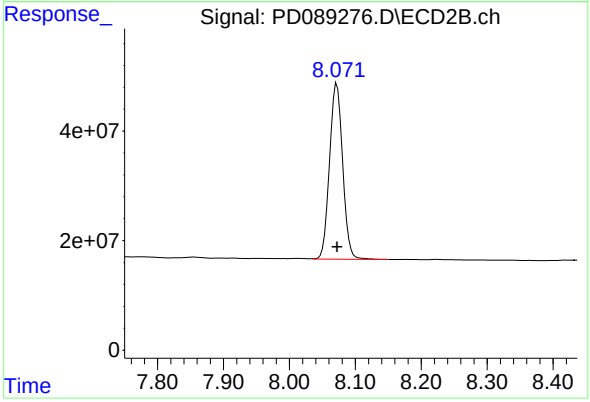

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 392715775
Conc: 23.16 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 90269419
Conc: 22.98 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 443269881
Conc: 22.42 ng/ml

Raw Data: **PD089287.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089287.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089287.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089287.D | 1 | | 07/01/25 | pd070225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 22.1 | | 57 - 171 | 110% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 23.4 | | 61 - 148 | 117% | SPK: 20 |

Raw Data: **PD089287.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089287.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089287.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089287.D | 1 | | 07/01/25 | pd070225 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089287.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:07
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: Jul 02 01:50:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 59834557 | 396.9E6 | 20.972 | 23.413 |
| 28) | SA Decachlor... | 9.072 | 8.071 | 86680293 | 396.6E6 | 22.069 | 20.060 |
| | Target Compounds | | | | | | |

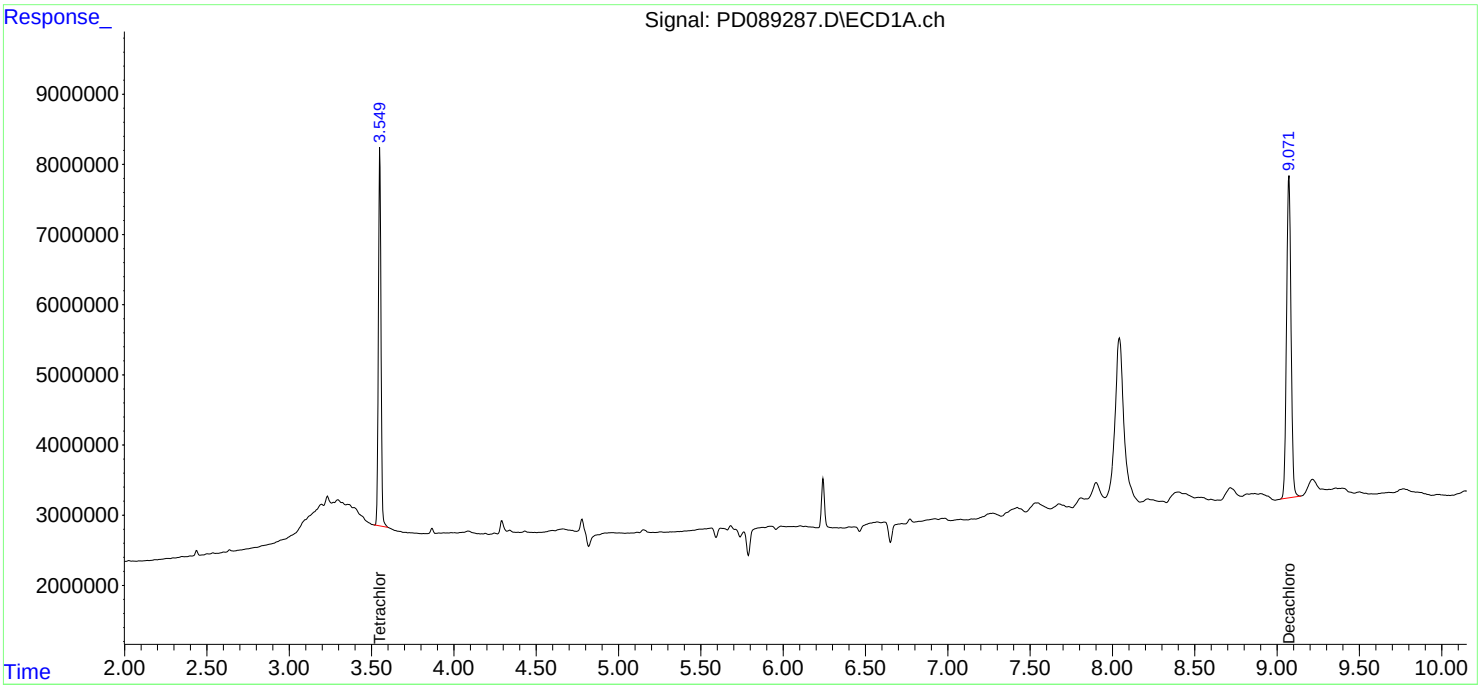
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

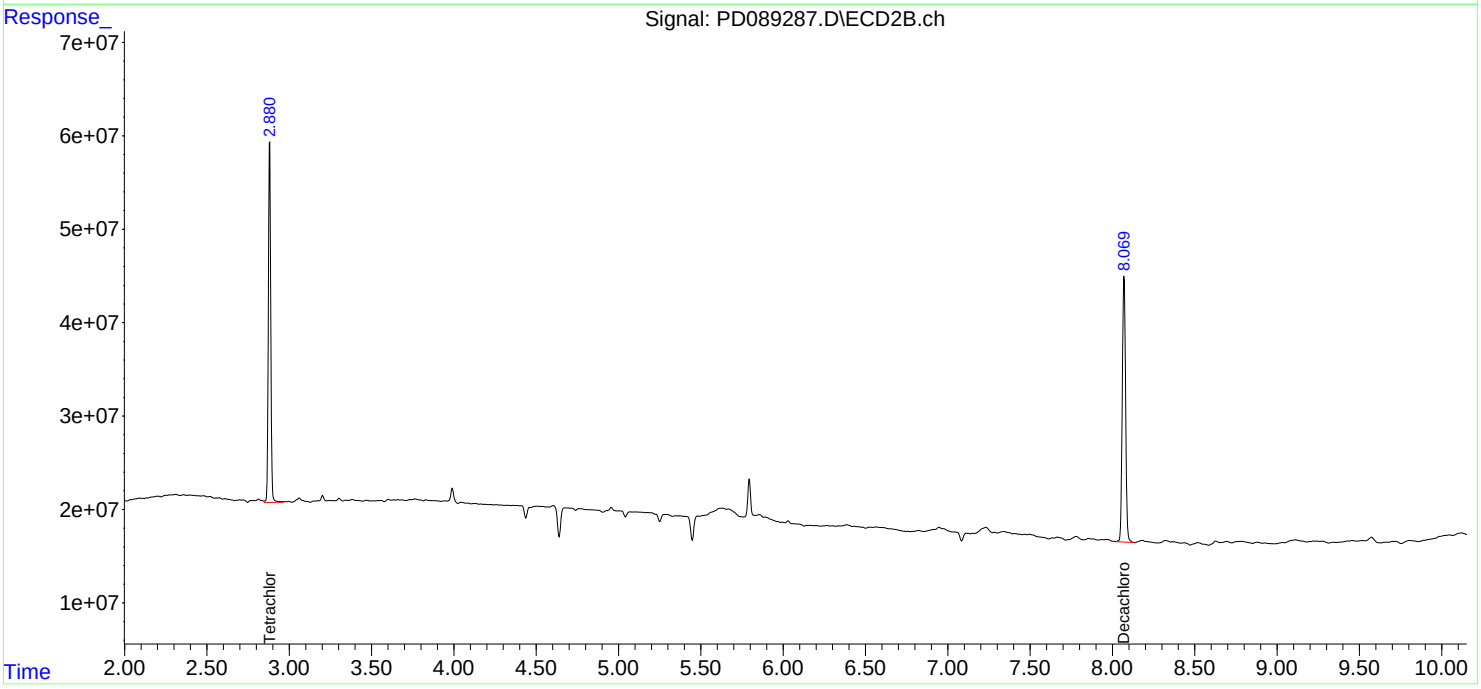
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:07
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

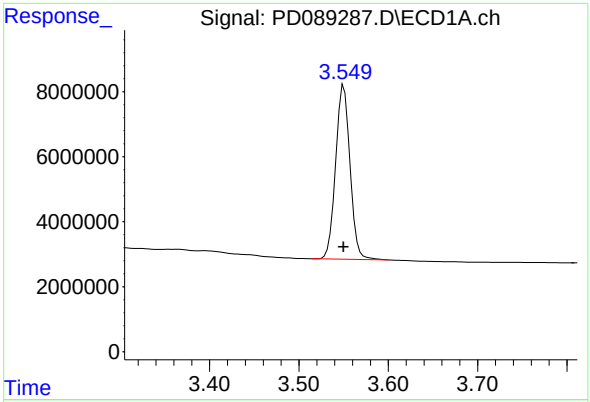
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



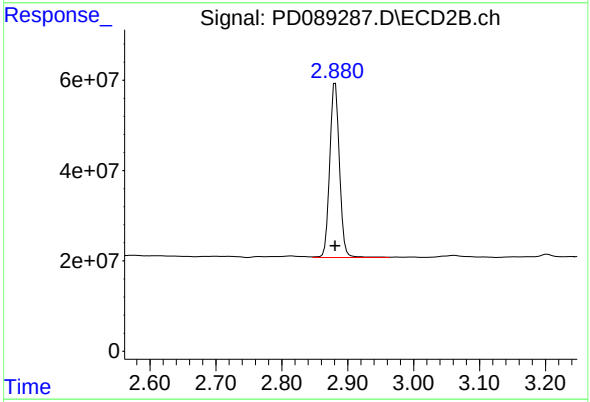






#1 Tetrachloro-m-xylene

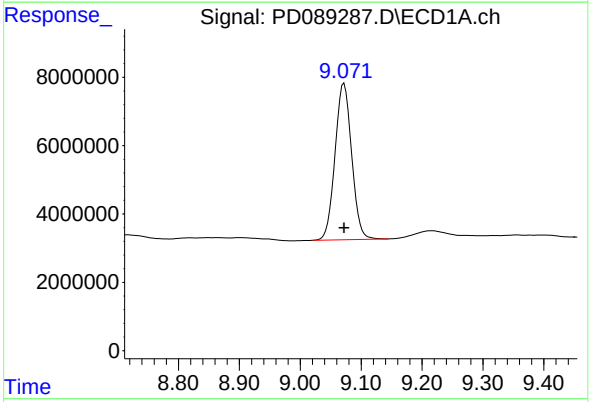
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 59834557
Conc: 20.97 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



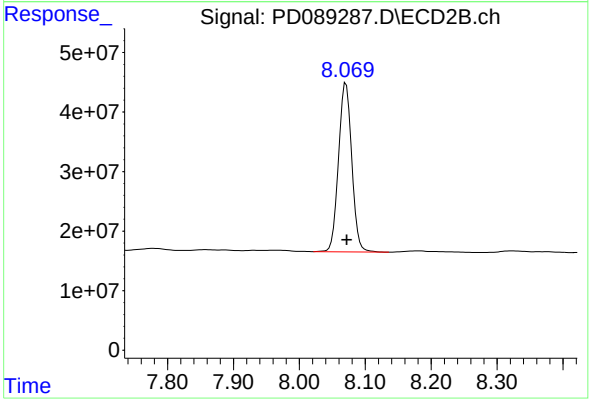

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 396926169
Conc: 23.41 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 86680293
Conc: 22.07 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 396587260
Conc: 20.06 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089298.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089298.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089298.D | 1 | | 07/01/25 | pd070225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.1 | | 57 - 171 | 106% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 24.2 | | 61 - 148 | 121% | SPK: 20 |

Raw Data: **PD089298.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/01/25 |
| Project: | South River WM Replacement | Date Received: | 07/01/25 |
| Client Sample ID: | PIBLK-PD089298.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089298.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089298.D | 1 | | 07/01/25 | pd070225 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 22:05
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: Jul 02 01:52:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 61643073 | 410.3E6 | 21.605 | 24.204 |
| 28) | SA Decachlor... | 9.072 | 8.072 | 83023185 | 359.7E6 | 21.138 | 18.195 |
| | Target Compounds | | | | | | |

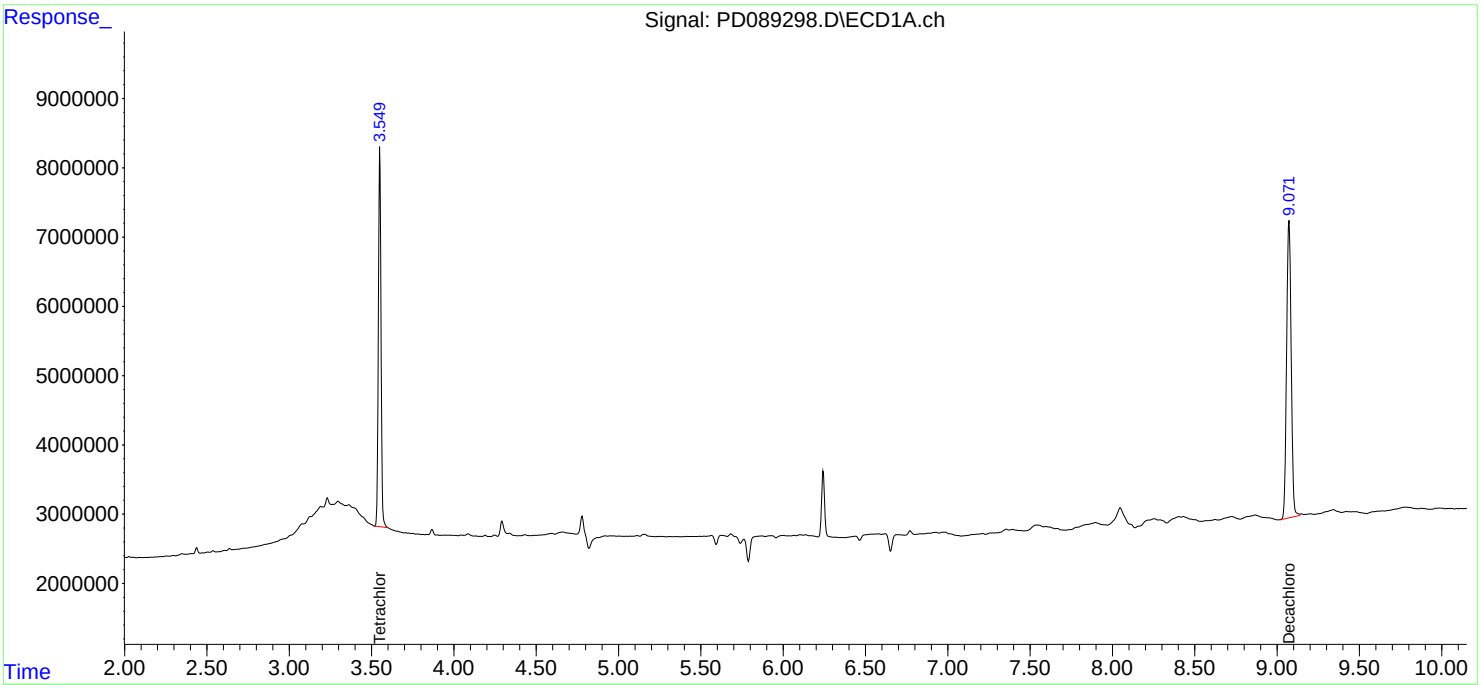
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

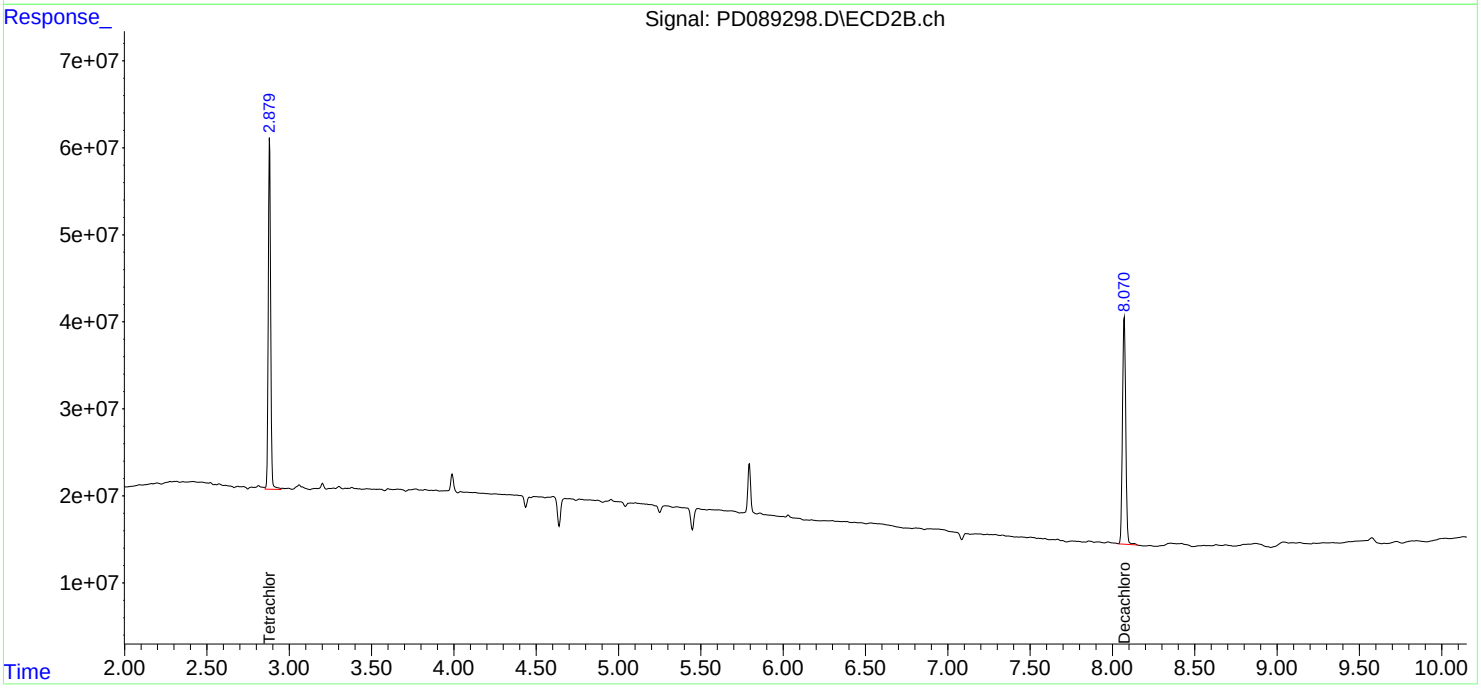
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 22:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

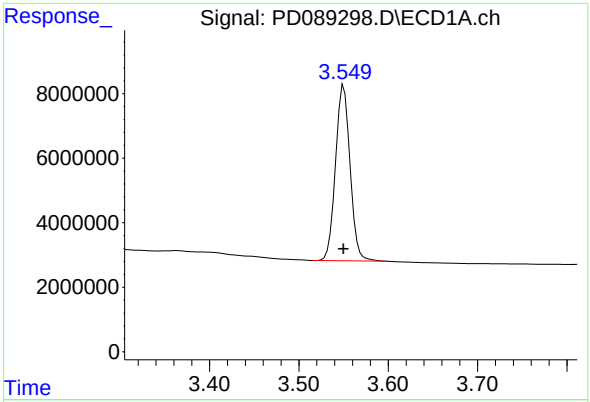
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:52:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



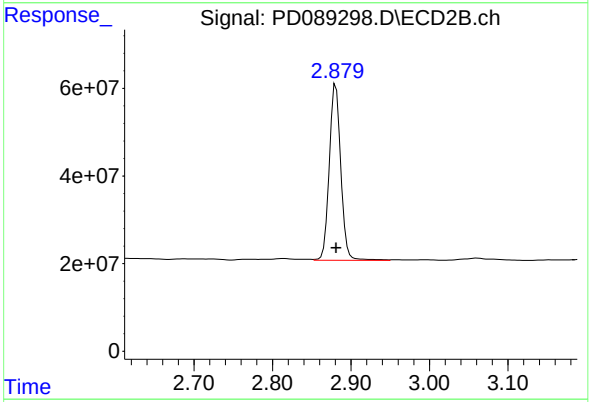






#1 Tetrachloro-m-xylene

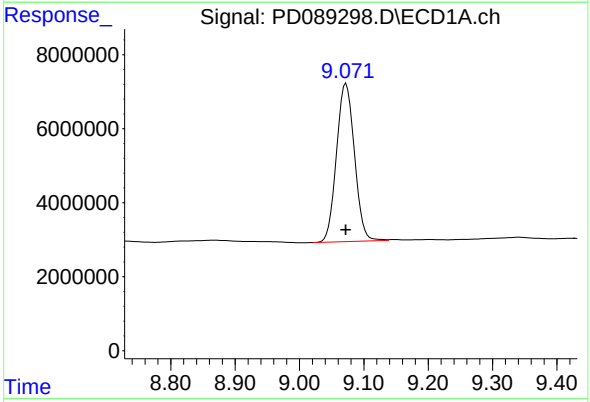
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 61643073
Conc: 21.61 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



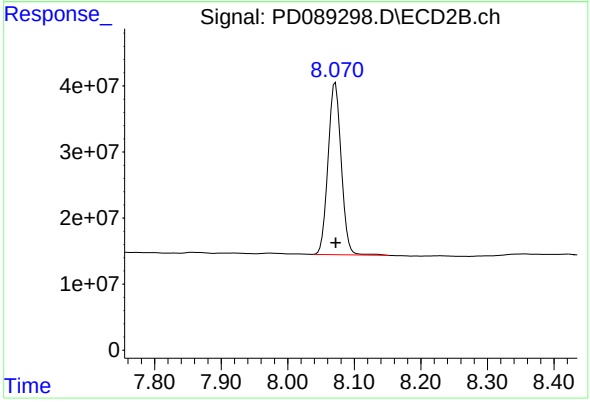

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 410342837
Conc: 24.20 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 83023185
Conc: 21.14 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 359720322
Conc: 18.20 ng/ml

Raw Data: **PD089326.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/03/25 |
| Project: | South River WM Replacement | Date Received: | 07/03/25 |
| Client Sample ID: | PIBLK-PD089326.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089326.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089326.D | 1 | | 07/03/25 | pd070425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 19.1 | | 57 - 171 | 96% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.9 | | 61 - 148 | 109% | SPK: 20 |

Raw Data: **PD089326.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/03/25 |
| Project: | South River WM Replacement | Date Received: | 07/03/25 |
| Client Sample ID: | PIBLK-PD089326.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089326.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089326.D | 1 | | 07/03/25 | pd070425 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089326.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 09:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:16:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.879 | 55547175 | 371.1E6 | 19.469 | 21.890m |
| 28) | SA Decachlor... | 9.076 | 8.071 | 75117817 | 355.5E6 | 19.125 | 17.980 |
| | Target Compounds | | | | | | |

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

Sample Results: **PD089326.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 09:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

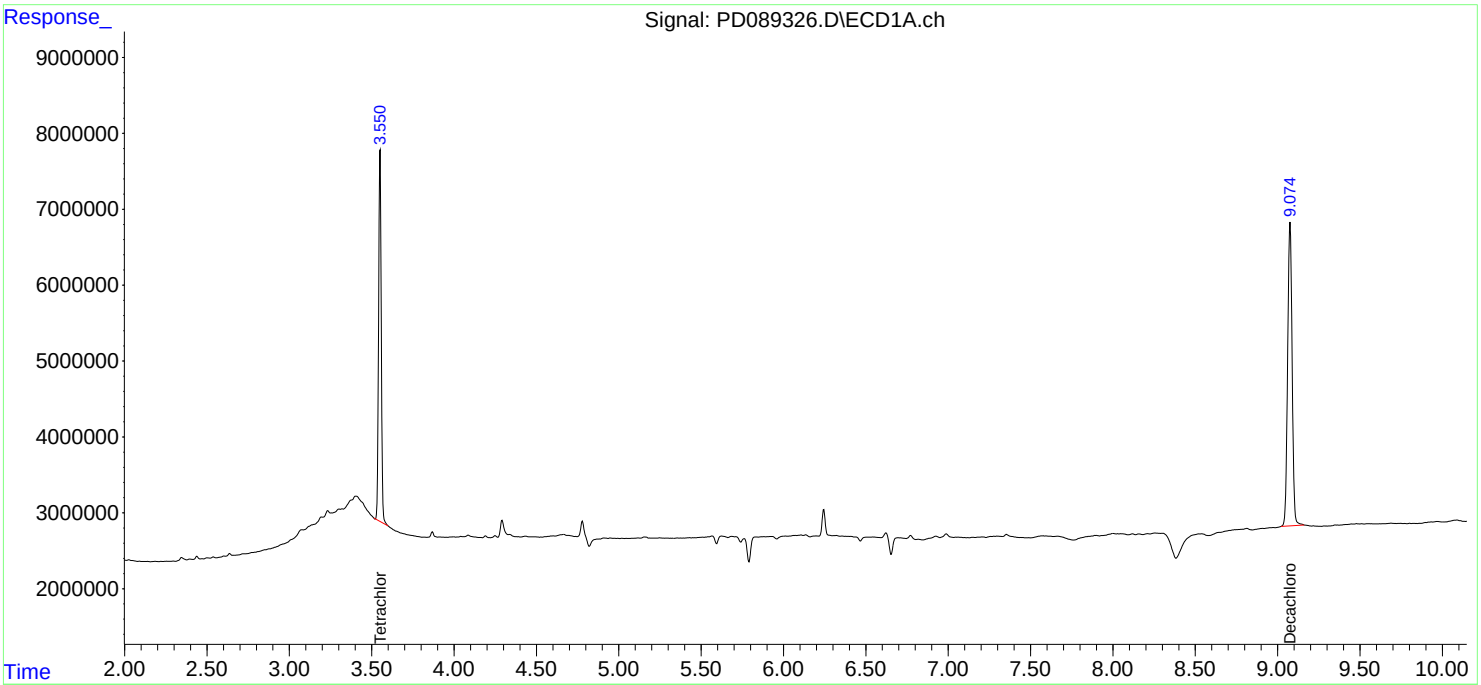
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

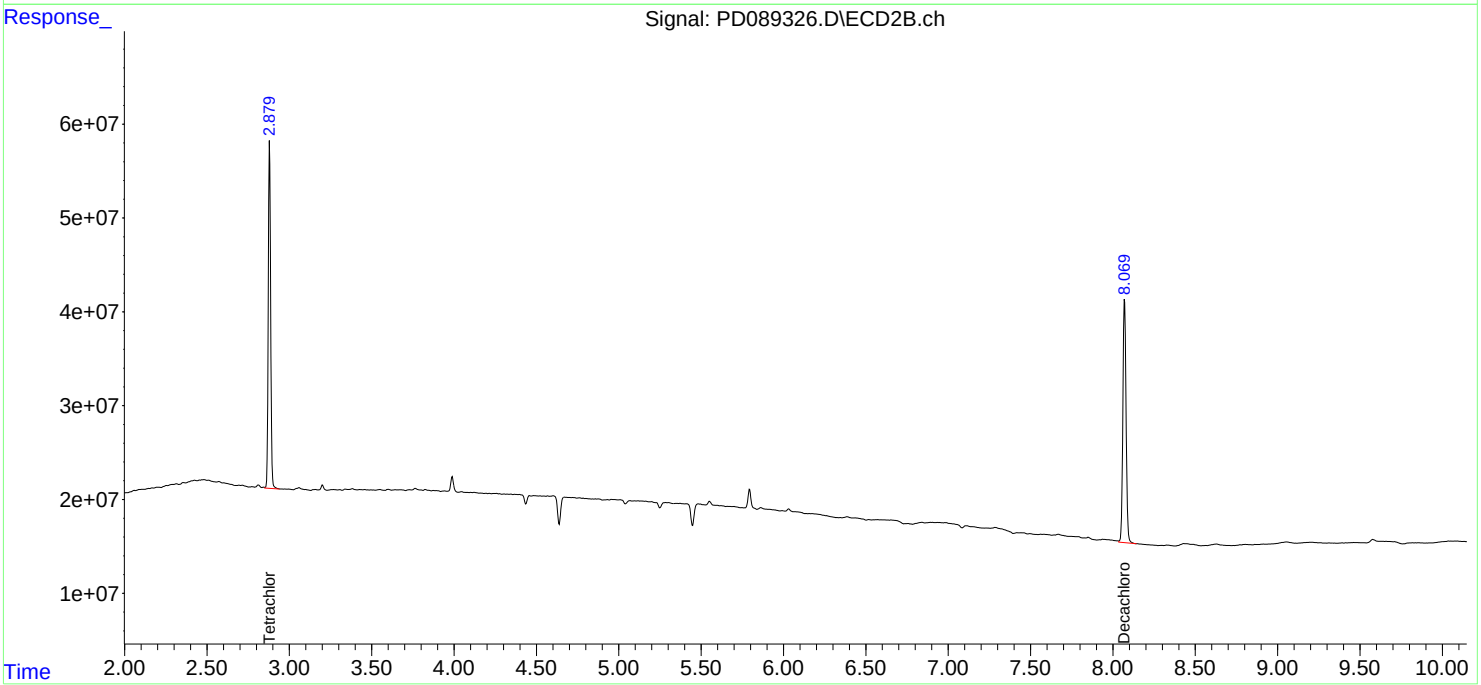
**Manual Integrations APPROVED**

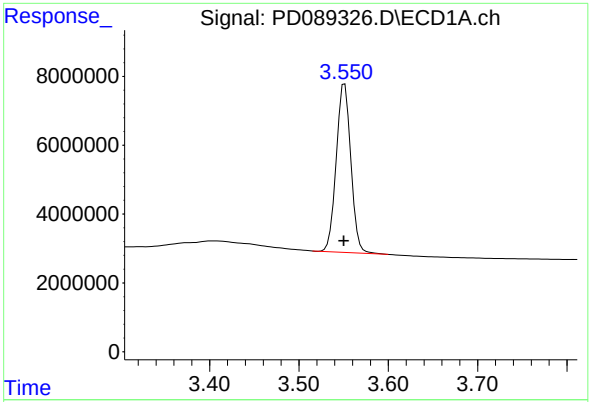
Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:16:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





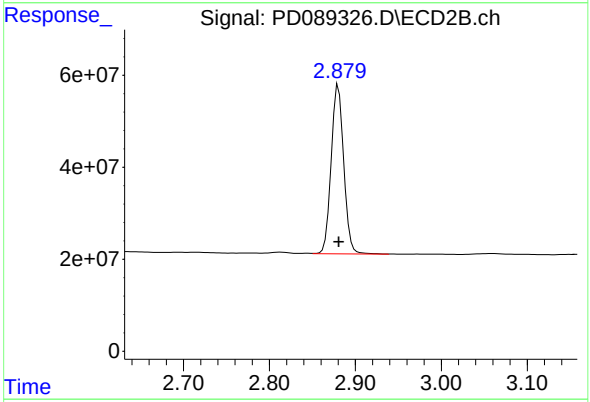

#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.001 min
Response: 55547175
Conc: 19.47 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

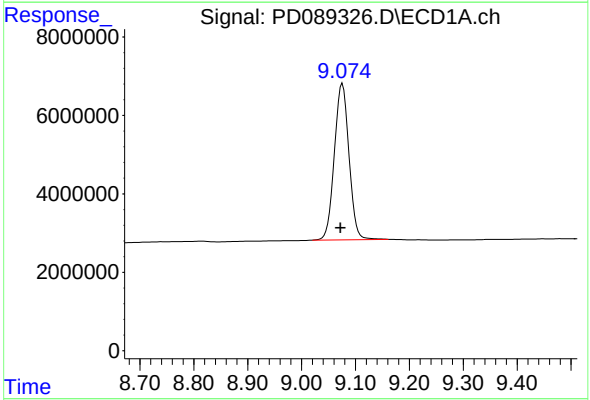
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025



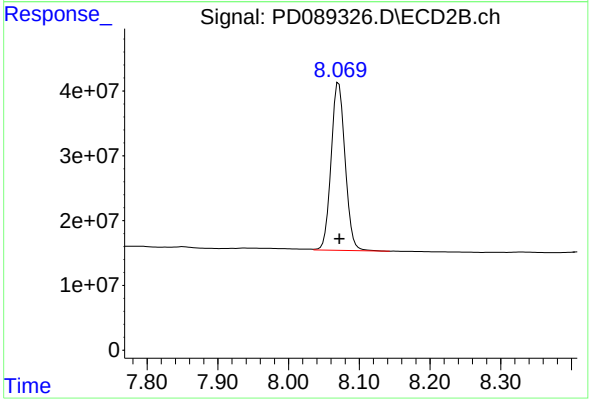

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 371105420
Conc: 21.89 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.004 min
Response: 75117817
Conc: 19.13 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 355472700
Conc: 17.98 ng/ml

Raw Data: **PD089337.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/03/25 |
| Project: | South River WM Replacement | Date Received: | 07/03/25 |
| Client Sample ID: | PIBLK-PD089337.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089337.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089337.D | 1 | | 07/03/25 | pd070425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.011 | U | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0027 | U | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.0031 | U | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0032 | U | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 19.1 | | 57 - 171 | 95% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 22.4 | | 61 - 148 | 112% | SPK: 20 |

Raw Data: **PD089337.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/03/25 |
| Project: | South River WM Replacement | Date Received: | 07/03/25 |
| Client Sample ID: | PIBLK-PD089337.D | SDG No.: | Q2458 |
| Lab Sample ID: | I.BLK-PD089337.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089337.D | 1 | | 07/03/25 | pd070425 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 15:48
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: Jul 04 02:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.881 | 56361551 | 379.8E6 | 19.754 | 22.405 |
| 28) | SA Decachlor... | 9.075 | 8.072 | 74529740 | 377.3E6 | 18.976 | 19.086 |
| | Target Compounds | | | | | | |

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

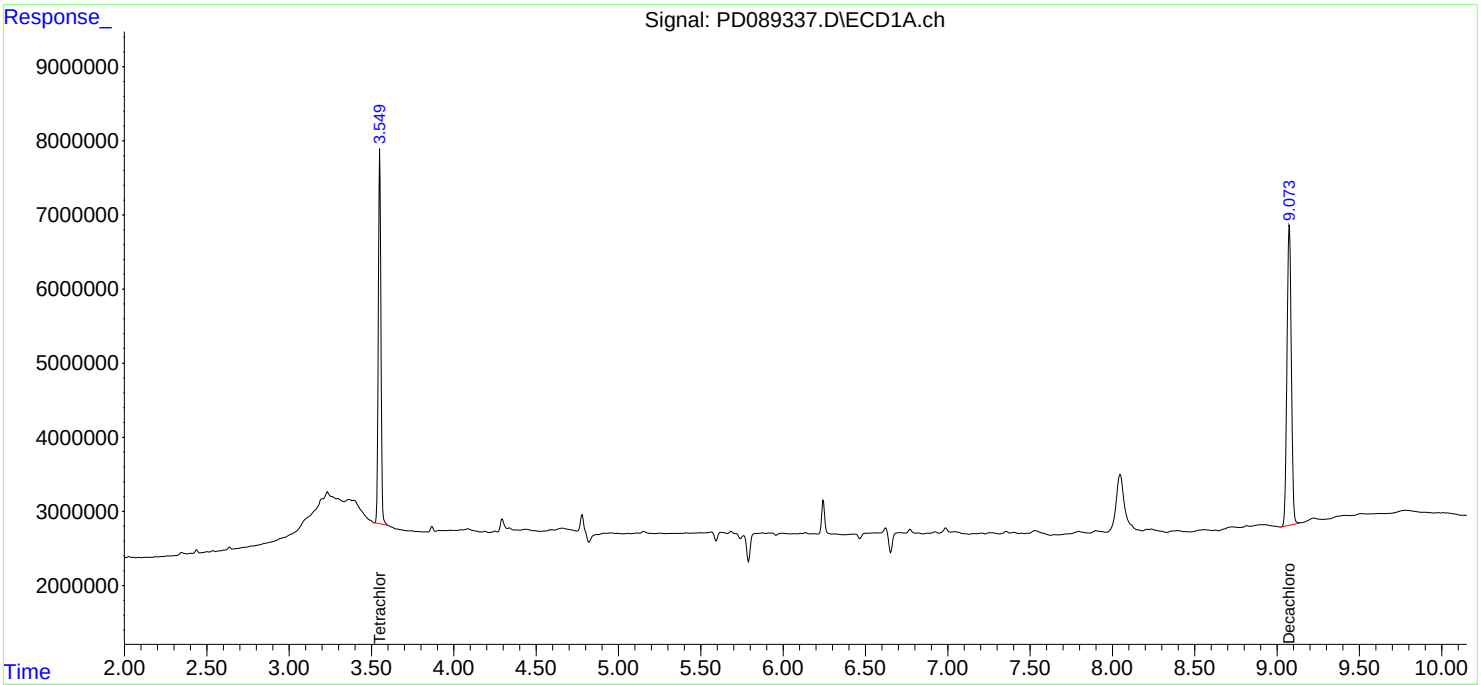
Sample Results: **PD089337.D**

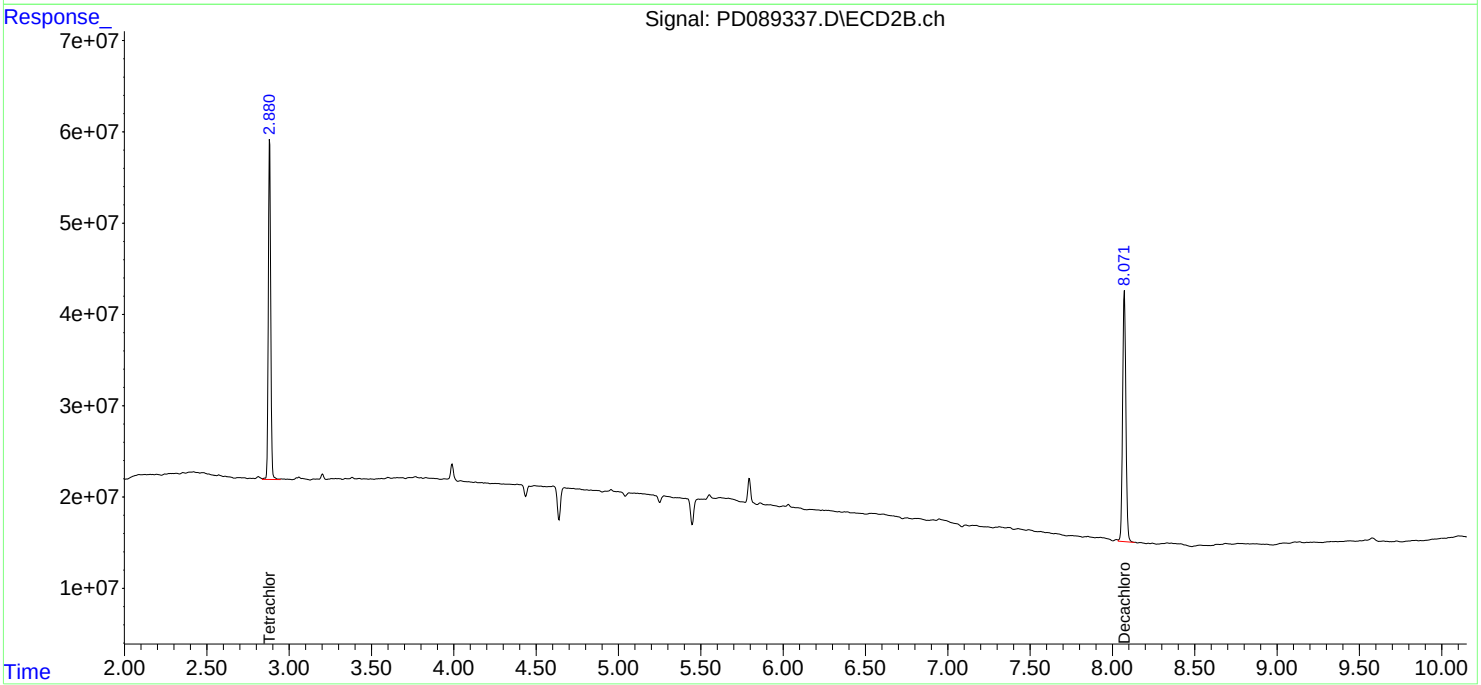
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 15:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

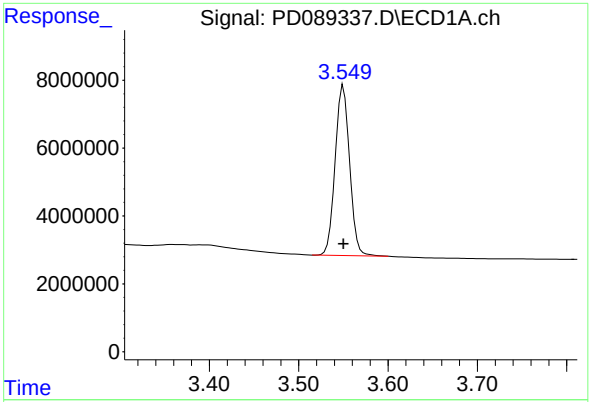
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



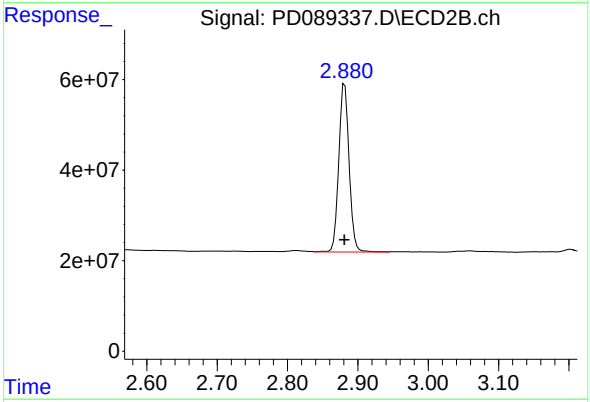






#1 Tetrachloro-m-xylene

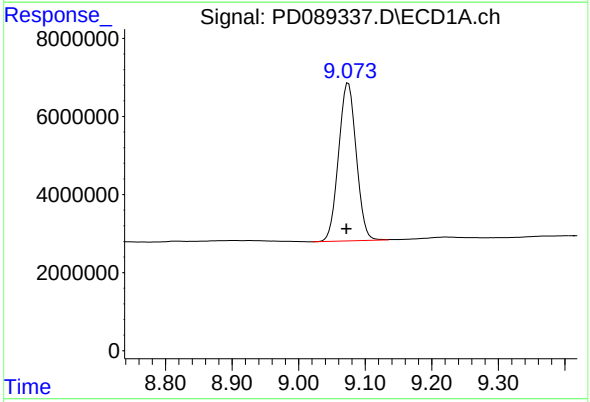
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 56361551
Conc: 19.75 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



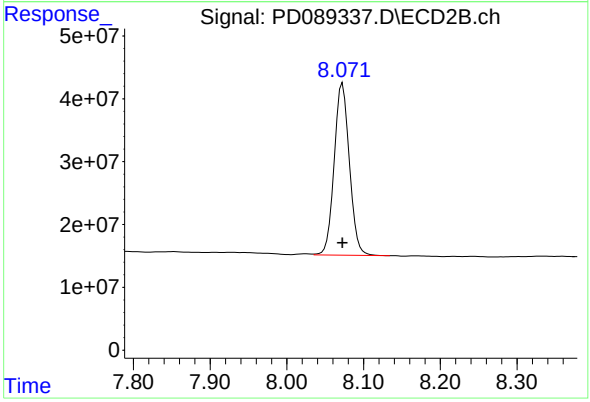

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 379829840
Conc: 22.40 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.003 min
Response: 74529740
Conc: 18.98 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 377326236
Conc: 19.09 ng/ml

Raw Data: **PD089275.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168672BS | SDG No.: | Q2458 |
| Lab Sample ID: | PB168672BS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089275.D | 1 | 07/01/25 08:30 | 07/01/25 16:23 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 18.7 | | 0.13 | 1.70 | ug/kg |
| 319-85-7 | beta-BHC | 18.0 | | 0.18 | 1.70 | ug/kg |
| 319-86-8 | delta-BHC | 19.2 | | 0.39 | 1.70 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 18.6 | | 0.14 | 1.70 | ug/kg |
| 76-44-8 | Heptachlor | 18.2 | | 0.12 | 1.70 | ug/kg |
| 309-00-2 | Aldrin | 18.7 | | 0.12 | 1.70 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 19.3 | | 0.19 | 1.70 | ug/kg |
| 959-98-8 | Endosulfan I | 18.4 | | 0.14 | 1.70 | ug/kg |
| 60-57-1 | Dieldrin | 18.4 | | 0.14 | 1.70 | ug/kg |
| 72-55-9 | 4,4-DDE | 18.4 | | 0.14 | 1.70 | ug/kg |
| 72-20-8 | Endrin | 16.5 | | 0.14 | 1.70 | ug/kg |
| 33213-65-9 | Endosulfan II | 17.9 | | 0.29 | 1.70 | ug/kg |
| 72-54-8 | 4,4-DDD | 18.7 | | 0.15 | 1.70 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 17.7 | | 0.13 | 1.70 | ug/kg |
| 50-29-3 | 4,4-DDT | 16.3 | | 0.14 | 1.70 | ug/kg |
| 72-43-5 | Methoxychlor | 16.6 | | 0.37 | 1.70 | ug/kg |
| 53494-70-5 | Endrin ketone | 18.3 | | 0.19 | 1.70 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 17.8 | | 0.37 | 1.70 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 18.2 | | 0.12 | 1.70 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 18.5 | | 0.15 | 1.70 | ug/kg |
| 8001-35-2 | Toxaphene | 5.40 | U | 5.40 | 33.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 20.6 | | 20 - 144 | 103% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.8 | | 19 - 148 | 104% | SPK: 20 |

Raw Data: **PD089275.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168672BS | SDG No.: | Q2458 |
| Lab Sample ID: | PB168672BS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089275.D | 1 | 07/01/25 08:30 | 07/01/25 16:23 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:23
Operator : AR\AJ
Sample : PB168672BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB168672BS

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:47:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.556 | 2.880 | 52242928 | 351.9E6 | 18.311 | 20.757 |
| 28) | SA Decachlor... | 9.081 | 8.074 | 80959011 | 385.8E6 | 20.613 | 19.517 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.006 | 3.393 | 326.9E6 | 1497.1E6 | 56.083 | 55.869 |
| 3) | MA gamma-BHC... | 4.337 | 3.728 | 311.6E6 | 1371.6E6 | 55.828 | 55.401m |
| 4) | MA Heptachlor | 4.936 | 4.083 | 297.3E6 | 1322.0E6 | 54.531 | 52.798 |
| 5) | MB Aldrin | 5.278 | 4.369 | 297.8E6 | 1337.7E6 | 56.057 | 55.236 |
| 6) | B beta-BHC | 4.522 | 4.025 | 117.2E6 | 581.0E6 | 53.090 | 54.068 |
| 7) | B delta-BHC | 4.771 | 4.262 | 295.7E6 | 1365.2E6 | 57.604 | 54.884 |
| 8) | B Heptachlo... | 5.698 | 4.873 | 260.4E6 | 1269.3E6 | 53.983 | 57.966 |
| 9) | A Endosulfan I | 6.081 | 5.248 | 247.1E6 | 1154.4E6 | 54.825 | 55.389 |
| 10) | B gamma-Chl... | 5.953 | 5.125 | 265.6E6 | 1282.5E6 | 55.470 | 53.611m |
| 11) | B alpha-Chl... | 6.034 | 5.191 | 263.0E6 | 1248.2E6 | 54.364 | 54.512 |
| 12) | B 4,4'-DDE | 6.203 | 5.376 | 241.3E6 | 1235.2E6 | 55.328 | 53.903 |
| 13) | MA Dieldrin | 6.354 | 5.514 | 264.9E6 | 1254.1E6 | 55.218 | 54.038 |
| 14) | MA Endrin | 6.581 | 5.790 | 204.4E6 | 1074.3E6 | 49.547 | 49.474 |
| 15) | B Endosulfa... | 6.793 | 6.082 | 217.3E6 | 1077.5E6 | 53.823 | 53.350 |
| 16) | A 4,4'-DDD | 6.712 | 5.930 | 193.2E6 | 1029.6E6 | 56.282 | 53.822 |
| 17) | MA 4,4'-DDT | 7.029 | 6.185 | 184.9E6 | 970.4E6 | 48.798 | 47.851 |
| 18) | B Endrin al... | 6.922 | 6.260 | 163.6E6 | 807.9E6 | 53.379 | 52.768 |
| 19) | B Endosulfa... | 7.156 | 6.483 | 204.3E6 | 1036.6E6 | 53.237 | 52.832 |
| 20) | A Methoxychlor | 7.500 | 6.755 | 98676499 | 537.4E6 | 48.835 | 49.906 |
| 21) | B Endrin ke... | 7.637 | 6.993 | 223.4E6 | 1156.1E6 | 54.858 | 53.518 |
| 22) | Mirex | 8.120 | 7.186 | 126.0E6 | 685.2E6 | 41.454 | 41.086 |

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

Sample Results: **PD089275.D**

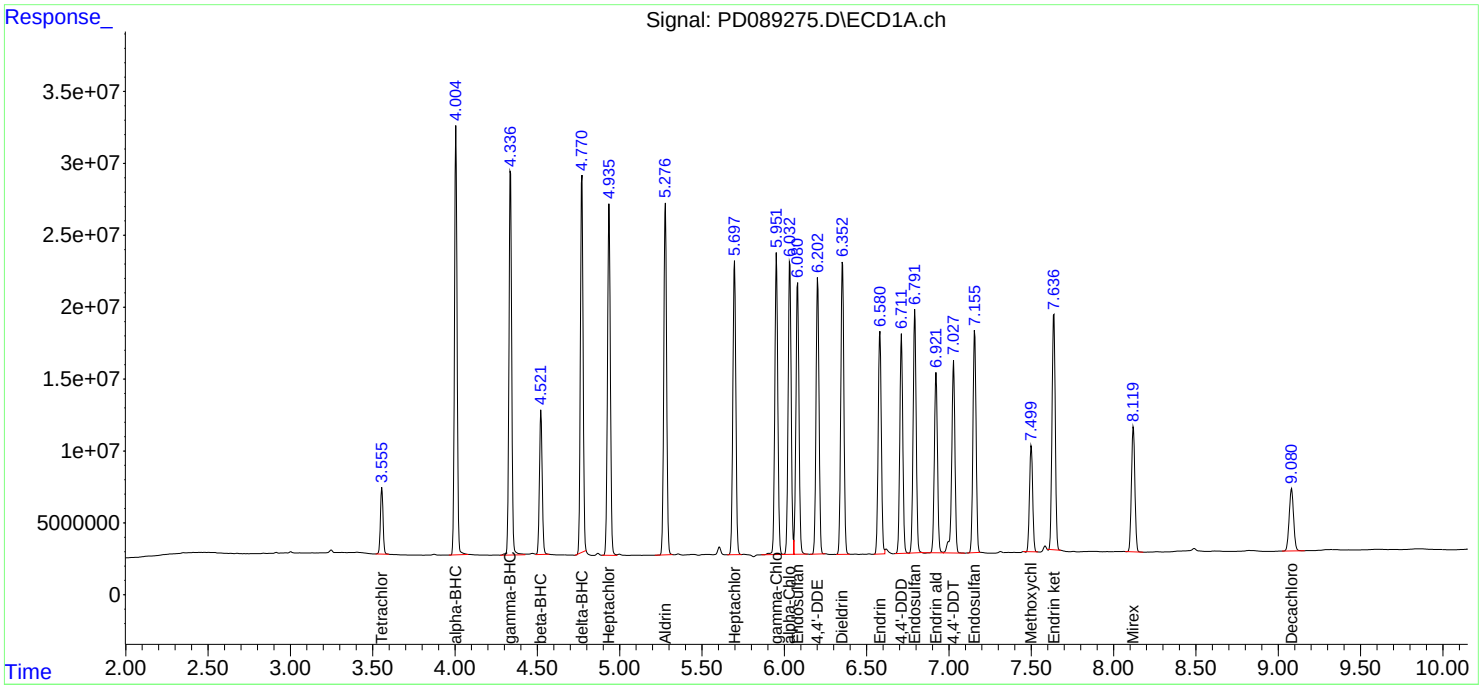
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:23
Operator : AR\AJ
Sample : PB168672BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

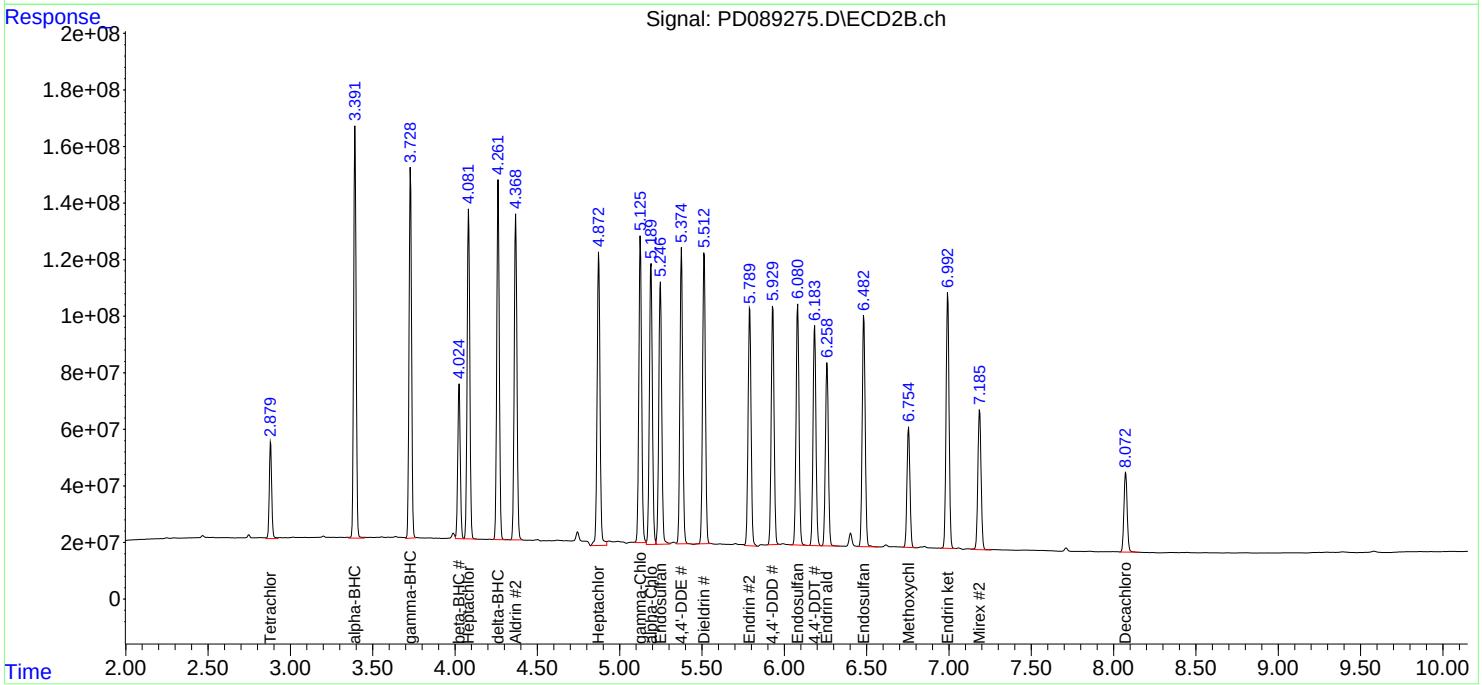
**Instrument :**
ECD_D
**ClientSampleId :**
PB168672BS

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:47:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089330.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168718BS | SDG No.: | Q2458 |
| Lab Sample ID: | PB168718BS | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089330.D | 1 | 07/03/25 08:58 | 07/03/25 14:09 | PB168718 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.56 | | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.54 | | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.59 | | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.56 | | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.54 | | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.56 | | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.55 | | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.56 | | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.57 | | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.56 | | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.49 | | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.57 | | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.59 | | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.55 | | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.48 | | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.44 | | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.56 | | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.56 | | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.56 | | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.57 | | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 18.9 | | 57 - 171 | 95% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 61 - 148 | 103% | SPK: 20 |

Raw Data: **PD089330.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168718BS | SDG No.: | Q2458 |
| Lab Sample ID: | PB168718BS | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089330.D | 1 | 07/03/25 08:58 | 07/03/25 14:09 | PB168718 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:09
Operator : AR\AJ
Sample : PB168718BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB168718BS

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.551 | 2.881 | 50538235 | 350.2E6 | 17.713 | 20.659 |
| 28) | SA Decachlor... | 9.076 | 8.071 | 73089221 | 373.6E6 | 18.609 | 18.897 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.000 | 3.393 | 323.5E6 | 1501.9E6 | 55.505 | 56.047 |
| 3) | MA gamma-BHC... | 4.332 | 3.728 | 307.7E6 | 1377.9E6 | 55.121 | 55.657m |
| 4) | MA Heptachlor | 4.930 | 4.082 | 292.5E6 | 1312.4E6 | 53.651 | 52.416 |
| 5) | MB Aldrin | 5.272 | 4.368 | 299.0E6 | 1344.8E6 | 56.285 | 55.532 |
| 6) | B beta-BHC | 4.517 | 4.025 | 116.5E6 | 583.0E6 | 52.766 | 54.252 |
| 7) | B delta-BHC | 4.766 | 4.262 | 300.8E6 | 1372.5E6 | 58.596 | 55.179 |
| 8) | B Heptachlo... | 5.692 | 4.872 | 266.4E6 | 1215.1E6 | 55.226 | 55.487 |
| 9) | A Endosulfan I | 6.076 | 5.247 | 251.8E6 | 1154.7E6 | 55.870 | 55.401 |
| 10) | B gamma-Chl... | 5.948 | 5.125 | 273.4E6 | 1306.9E6 | 57.109 | 54.631 |
| 11) | B alpha-Chl... | 6.029 | 5.190 | 268.9E6 | 1248.2E6 | 55.574 | 54.513 |
| 12) | B 4,4'-DDE | 6.198 | 5.375 | 245.1E6 | 1256.6E6 | 56.211 | 54.834 |
| 13) | MA Dieldrin | 6.349 | 5.512 | 271.3E6 | 1281.1E6 | 56.558 | 55.200 |
| 14) | MA Endrin | 6.576 | 5.789 | 201.8E6 | 1032.9E6 | 48.903 | 47.570 |
| 15) | B Endosulfa... | 6.788 | 6.080 | 228.7E6 | 1108.7E6 | 56.661 | 54.895 |
| 16) | A 4,4'-DDD | 6.707 | 5.929 | 202.6E6 | 1072.7E6 | 59.018 | 56.077 |
| 17) | MA 4,4'-DDT | 7.023 | 6.183 | 181.6E6 | 960.2E6 | 47.949 | 47.350 |
| 18) | B Endrin al... | 6.917 | 6.258 | 171.8E6 | 843.6E6 | 56.069 | 55.099 |
| 19) | B Endosulfa... | 7.151 | 6.482 | 211.0E6 | 1072.1E6 | 54.990 | 54.639 |
| 20) | A Methoxychlor | 7.495 | 6.753 | 84312283 | 473.7E6 | 41.726 | 43.995 |
| 21) | B Endrin ke... | 7.632 | 6.991 | 226.2E6 | 1192.7E6 | 55.534 | 55.212 |
| 22) | Mirex | 8.116 | 7.185 | 136.5E6 | 752.8E6 | 44.916 | 45.134 |

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

Sample Results: **PD089330.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:09
Operator : AR\AJ
Sample : PB168718BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

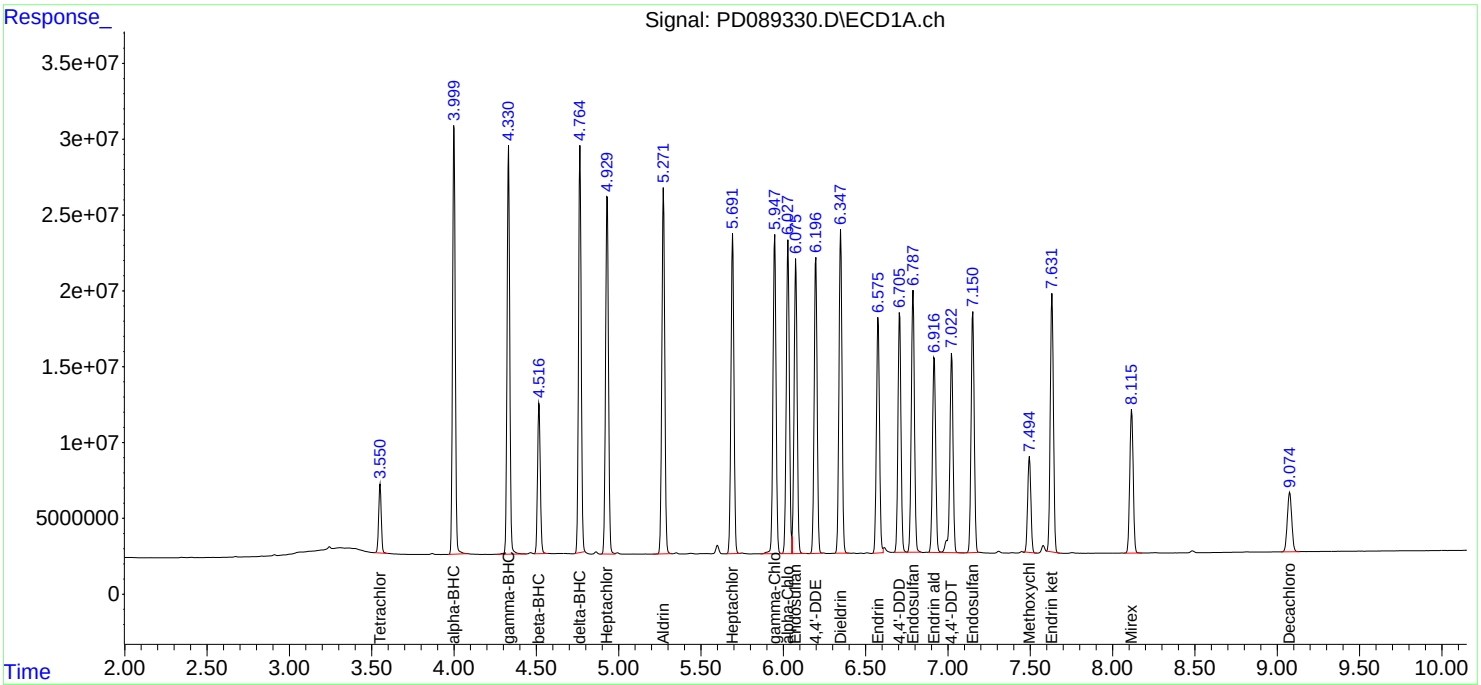
**Instrument :**
ECD_D
**ClientSampleId :**
PB168718BS

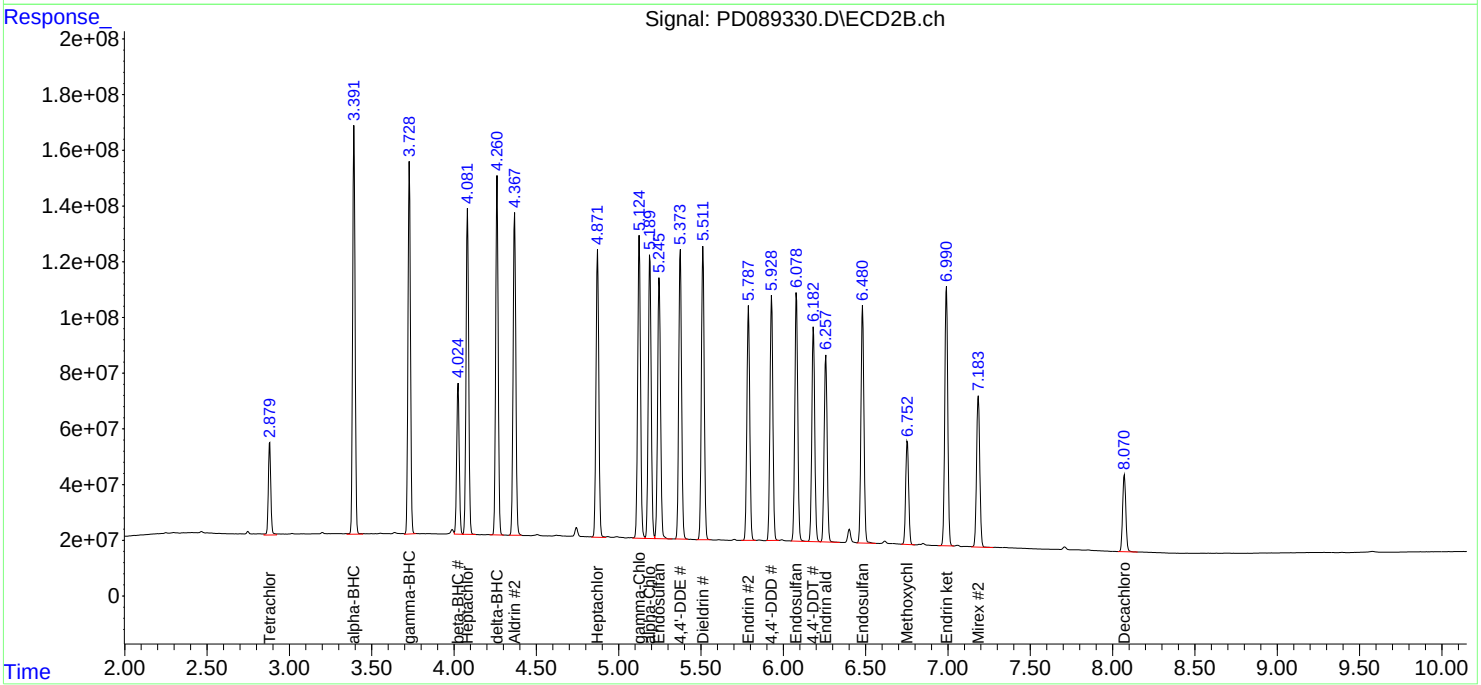
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089331.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168718BSD | SDG No.: | Q2458 |
| Lab Sample ID: | PB168718BSD | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089331.D | 1 | 07/03/25 08:58 | 07/03/25 14:27 | PB168718 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.56 | | 0.0039 | 0.050 | ug/L |
| 319-85-7 | beta-BHC | 0.54 | | 0.0049 | 0.050 | ug/L |
| 319-86-8 | delta-BHC | 0.57 | | 0.011 | 0.050 | ug/L |
| 58-89-9 | gamma-BHC (Lindane) | 0.55 | | 0.0037 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.53 | | 0.0027 | 0.050 | ug/L |
| 309-00-2 | Aldrin | 0.56 | | 0.0036 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.55 | | 0.0096 | 0.050 | ug/L |
| 959-98-8 | Endosulfan I | 0.55 | | 0.0031 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.56 | | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.55 | | 0.0037 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.48 | | 0.0032 | 0.050 | ug/L |
| 33213-65-9 | Endosulfan II | 0.56 | | 0.0079 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.58 | | 0.0071 | 0.050 | ug/L |
| 1031-07-8 | Endosulfan Sulfate | 0.55 | | 0.0037 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.47 | | 0.0035 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.44 | | 0.011 | 0.050 | ug/L |
| 53494-70-5 | Endrin ketone | 0.55 | | 0.0093 | 0.050 | ug/L |
| 7421-93-4 | Endrin aldehyde | 0.55 | | 0.011 | 0.050 | ug/L |
| 5103-71-9 | alpha-Chlordane | 0.55 | | 0.0035 | 0.050 | ug/L |
| 5103-74-2 | gamma-Chlordane | 0.56 | | 0.0039 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.17 | U | 0.17 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 19.0 | | 57 - 171 | 95% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 61 - 148 | 104% | SPK: 20 |

Raw Data: **PD089331.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168718BSD | SDG No.: | Q2458 |
| Lab Sample ID: | PB168718BSD | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089331.D | 1 | 07/03/25 08:58 | 07/03/25 14:27 | PB168718 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:27
Operator : AR\AJ
Sample : PB168718BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB168718BSD

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.555 | 2.880 | 50160508 | 351.7E6 | 17.581 | 20.745 |
| 28) | SA Decachlor... | 9.081 | 8.074 | 72406437 | 375.1E6 | 18.435 | 18.976 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.005 | 3.393 | 321.4E6 | 1493.3E6 | 55.141 | 55.727 |
| 3) | MA gamma-BHC... | 4.336 | 3.728 | 305.0E6 | 1368.9E6 | 54.649 | 55.296m |
| 4) | MA Heptachlor | 4.935 | 4.083 | 287.9E6 | 1303.7E6 | 52.815 | 52.068 |
| 5) | MB Aldrin | 5.277 | 4.369 | 295.6E6 | 1338.5E6 | 55.634 | 55.271 |
| 6) | B beta-BHC | 4.522 | 4.026 | 115.3E6 | 577.6E6 | 52.248 | 53.748 |
| 7) | B delta-BHC | 4.770 | 4.263 | 293.0E6 | 1365.1E6 | 57.084 | 54.883 |
| 8) | B Heptachlo... | 5.697 | 4.873 | 262.7E6 | 1210.5E6 | 54.451 | 55.277 |
| 9) | A Endosulfan I | 6.081 | 5.248 | 248.7E6 | 1148.6E6 | 55.165 | 55.109 |
| 10) | B gamma-Chl... | 5.952 | 5.126 | 269.9E6 | 1304.8E6 | 56.371 | 54.544 |
| 11) | B alpha-Chl... | 6.033 | 5.191 | 265.9E6 | 1241.3E6 | 54.946 | 54.213 |
| 12) | B 4,4'-DDE | 6.202 | 5.376 | 240.9E6 | 1250.5E6 | 55.233 | 54.569 |
| 13) | MA Dieldrin | 6.353 | 5.514 | 268.4E6 | 1272.6E6 | 55.948 | 54.832 |
| 14) | MA Endrin | 6.580 | 5.790 | 199.4E6 | 1039.4E6 | 48.330 | 47.866 |
| 15) | B Endosulfa... | 6.792 | 6.082 | 226.0E6 | 1100.5E6 | 55.980 | 54.489 |
| 16) | A 4,4'-DDD | 6.711 | 5.931 | 200.1E6 | 1070.2E6 | 58.301 | 55.945 |
| 17) | MA 4,4'-DDT | 7.027 | 6.184 | 179.8E6 | 956.7E6 | 47.458 | 47.176 |
| 18) | B Endrin al... | 6.922 | 6.258 | 170.0E6 | 842.7E6 | 55.493 | 55.036m |
| 19) | B Endosulfa... | 7.156 | 6.483 | 209.2E6 | 1071.3E6 | 54.528 | 54.601 |
| 20) | A Methoxychlor | 7.499 | 6.755 | 83991927 | 473.6E6 | 41.567 | 43.977 |
| 21) | B Endrin ke... | 7.636 | 6.992 | 223.8E6 | 1194.2E6 | 54.936 | 55.282 |
| 22) | Mirex | 8.120 | 7.187 | 135.5E6 | 750.8E6 | 44.555 | 45.014 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:27
Operator : AR\AJ
Sample : PB168718BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

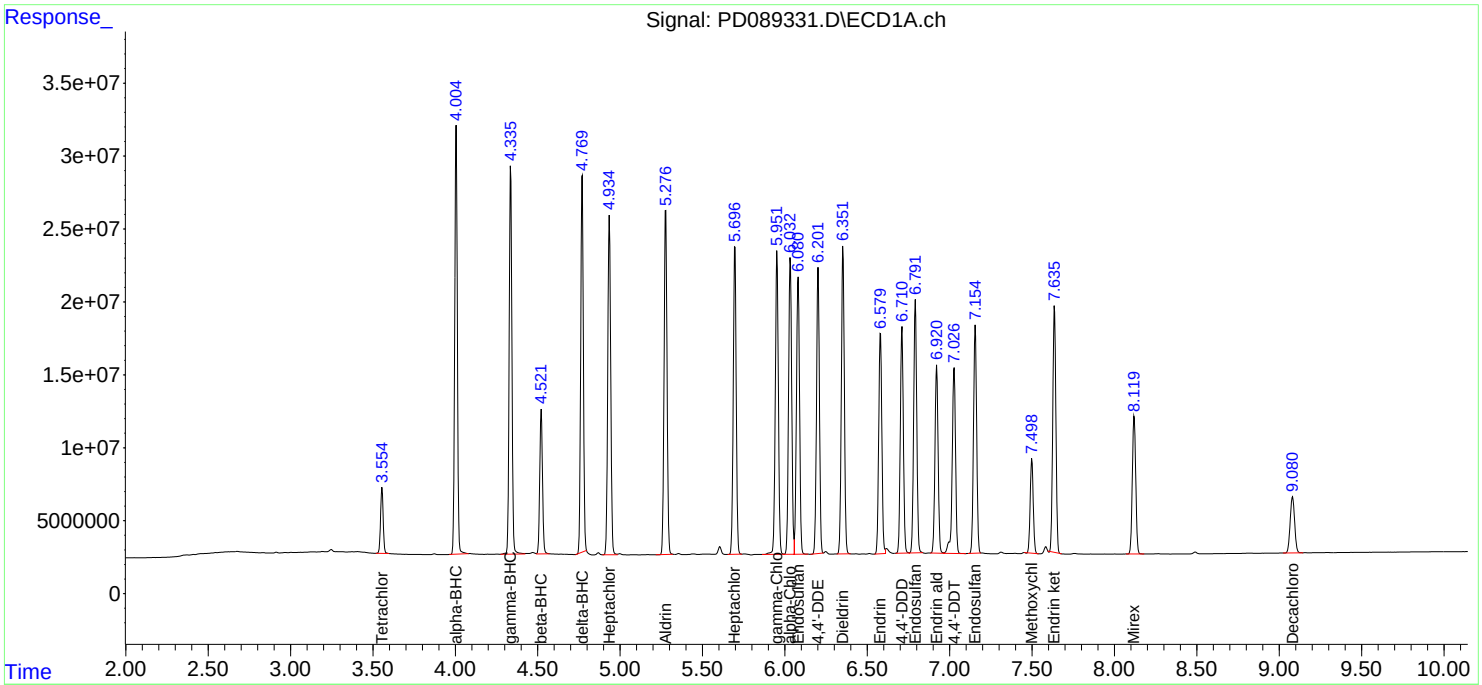
**Instrument :**
ECD_D
**ClientSampleId :**
PB168718BSD

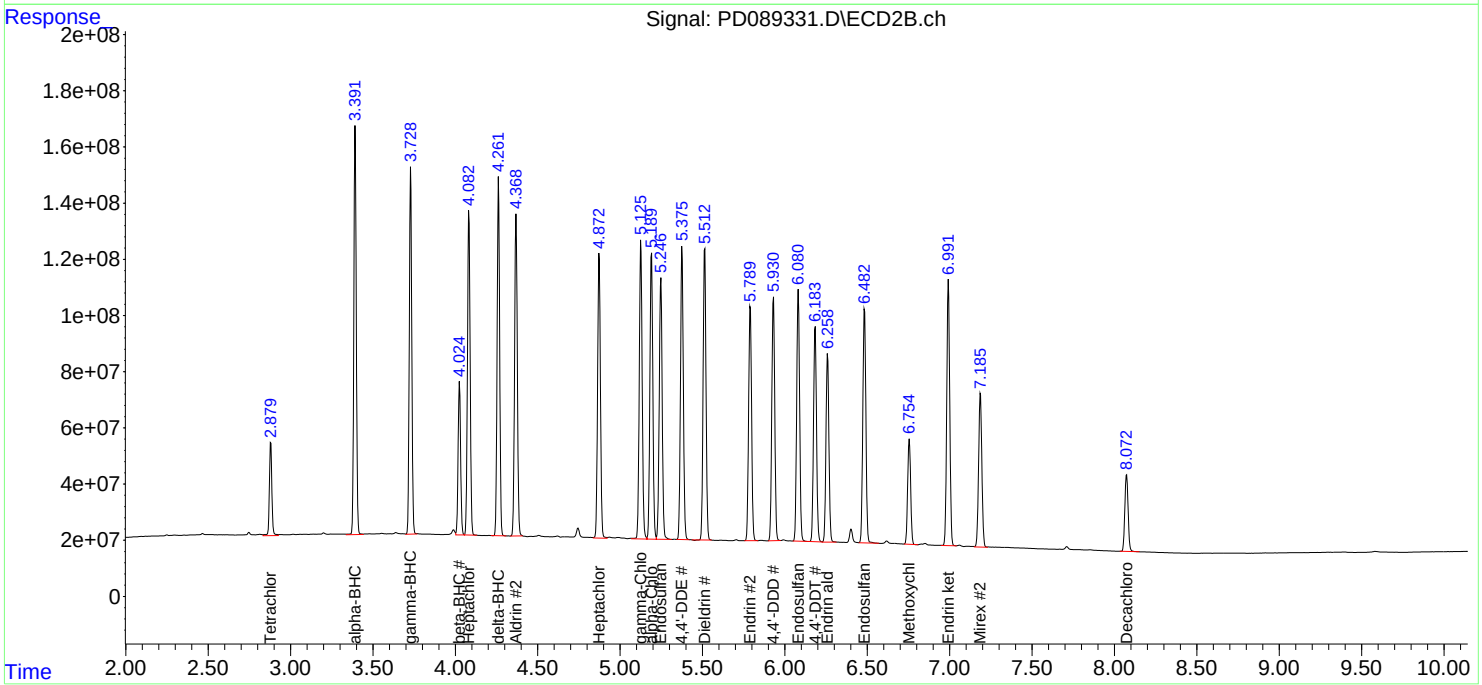
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089291.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-67MS | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-04MS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 89.7 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089291.D | 1 | 07/01/25 08:30 | 07/01/25 20:29 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 17.7 | | 0.14 | 1.90 | ug/kg |
| 319-85-7 | beta-BHC | 17.6 | | 0.20 | 1.90 | ug/kg |
| 319-86-8 | delta-BHC | 17.9 | | 0.43 | 1.90 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 17.5 | | 0.16 | 1.90 | ug/kg |
| 76-44-8 | Heptachlor | 16.5 | | 0.13 | 1.90 | ug/kg |
| 309-00-2 | Aldrin | 18.0 | | 0.13 | 1.90 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 18.2 | | 0.21 | 1.90 | ug/kg |
| 959-98-8 | Endosulfan I | 17.8 | | 0.16 | 1.90 | ug/kg |
| 60-57-1 | Dieldrin | 17.7 | | 0.16 | 1.90 | ug/kg |
| 72-55-9 | 4,4-DDE | 18.0 | | 0.16 | 1.90 | ug/kg |
| 72-20-8 | Endrin | 16.9 | | 0.16 | 1.90 | ug/kg |
| 33213-65-9 | Endosulfan II | 17.2 | | 0.32 | 1.90 | ug/kg |
| 72-54-8 | 4,4-DDD | 18.4 | | 0.17 | 1.90 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 16.4 | | 0.14 | 1.90 | ug/kg |
| 50-29-3 | 4,4-DDT | 14.2 | | 0.16 | 1.90 | ug/kg |
| 72-43-5 | Methoxychlor | 13.4 | | 0.41 | 1.90 | ug/kg |
| 53494-70-5 | Endrin ketone | 17.2 | | 0.21 | 1.90 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 16.8 | | 0.41 | 1.90 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 18.0 | | 0.13 | 1.90 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 18.3 | | 0.17 | 1.90 | ug/kg |
| 8001-35-2 | Toxaphene | 6.00 | U | 6.00 | 36.8 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 16.5 | | 20 - 144 | 82% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.3 | | 19 - 148 | 107% | SPK: 20 |

Raw Data: **PD089291.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-67MS | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-04MS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 89.7 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089291.D | 1 | 07/01/25 08:30 | 07/01/25 20:29 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:29
Operator : AR\AJ
Sample : Q2458-04MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-67MS

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.880 | 55732238 | 361.4E6 | 19.534 | 21.320m |
| 28) | SA Decachlor... | 9.072 | 8.071 | 64068843 | 326.0E6 | 16.312 | 16.489 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.392 | 278.1E6 | 1280.4E6 | 47.705 | 47.780m |
| 3) | MA gamma-BHC... | 4.330 | 3.728 | 262.7E6 | 1164.8E6 | 47.062 | 47.051m |
| 4) | MA Heptachlor | 4.929 | 4.083 | 242.1E6 | 1097.5E6 | 44.409 | 43.834 |
| 5) | MB Aldrin | 5.271 | 4.368 | 257.6E6 | 1170.8E6 | 48.478 | 48.344 |
| 6) | B beta-BHC | 4.516 | 4.025 | 102.6E6 | 510.5E6 | 46.476 | 47.502 |
| 7) | B delta-BHC | 4.764 | 4.262 | 248.2E6 | 1132.1E6 | 48.351 | 45.515 |
| 8) | B Heptachlo... | 5.691 | 4.872 | 228.5E6 | 1073.2E6 | 47.363 | 49.007 |
| 9) | A Endosulfan I | 6.074 | 5.247 | 215.9E6 | 988.2E6 | 47.891 | 47.414 |
| 10) | B gamma-Chl... | 5.944 | 5.126 | 234.5E6 | 1176.0E6 | 48.972m | 49.159 |
| 11) | B alpha-Chl... | 6.027 | 5.190 | 235.0E6 | 1101.1E6 | 48.571 | 48.090 |
| 12) | B 4,4'-DDE | 6.196 | 5.375 | 211.8E6 | 1104.5E6 | 48.566 | 48.199 |
| 13) | MA Dieldrin | 6.347 | 5.513 | 227.9E6 | 1108.4E6 | 47.512 | 47.757 |
| 14) | MA Endrin | 6.574 | 5.789 | 185.0E6 | 991.1E6 | 44.844 | 45.643 |
| 15) | B Endosulfa... | 6.786 | 6.080 | 186.4E6 | 938.2E6 | 46.182 | 46.455 |
| 16) | A 4,4'-DDD | 6.705 | 5.929 | 170.5E6 | 873.8E6 | 49.676 | 45.676 |
| 17) | MA 4,4'-DDT | 7.021 | 6.183 | 143.1E6 | 776.5E6 | 37.788 | 38.291 |
| 18) | B Endrin al... | 6.915 | 6.258 | 138.4E6 | 686.5E6 | 45.179 | 44.835 |
| 19) | B Endosulfa... | 7.149 | 6.482 | 169.7E6 | 851.1E6 | 44.234 | 43.379 |
| 20) | A Methoxychlor | 7.491 | 6.753 | 72698023 | 387.1E6 | 35.978m | 35.951 |
| 21) | B Endrin ke... | 7.630 | 6.991 | 188.9E6 | 950.6E6 | 46.374 | 44.004 |
| 22) | Mirex | 8.114 | 7.184 | 135.9E6 | 728.3E6 | 44.705 | 43.669 |

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

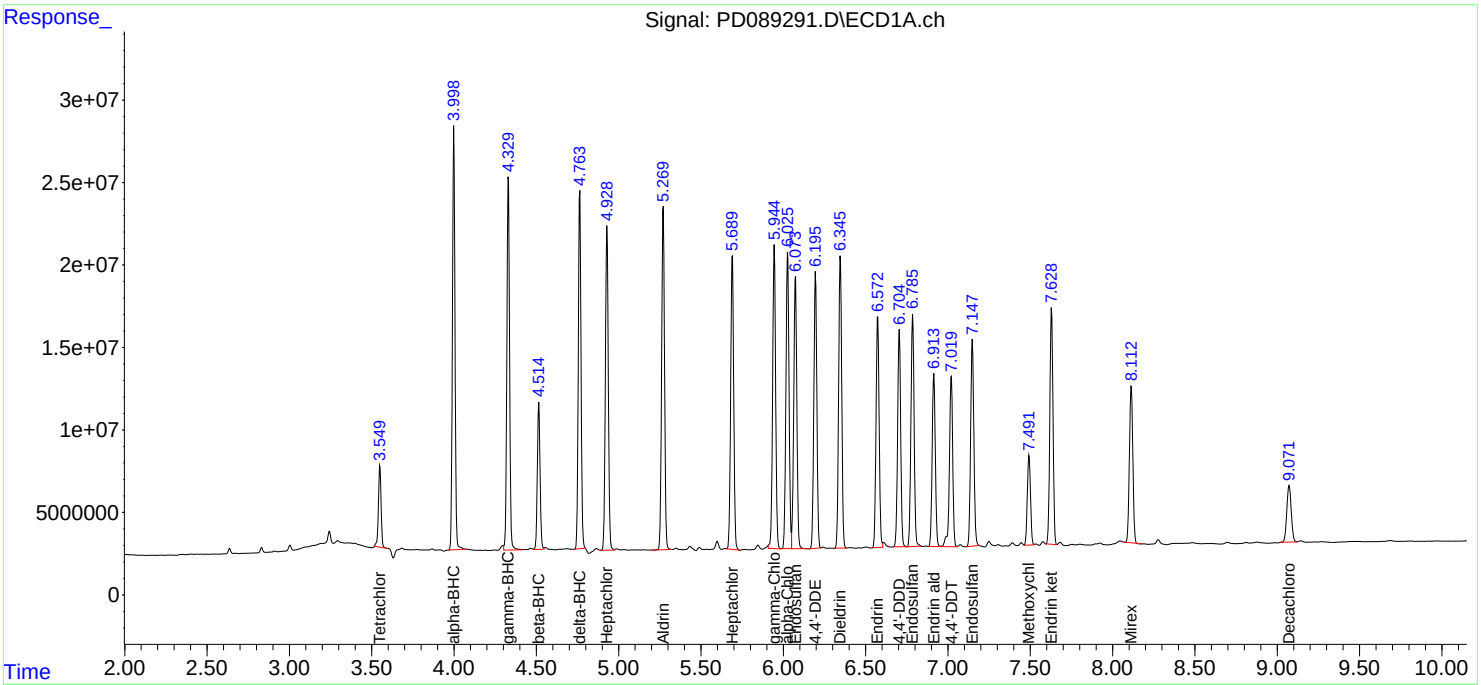
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:29
Operator : AR\AJ
Sample : Q2458-04MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

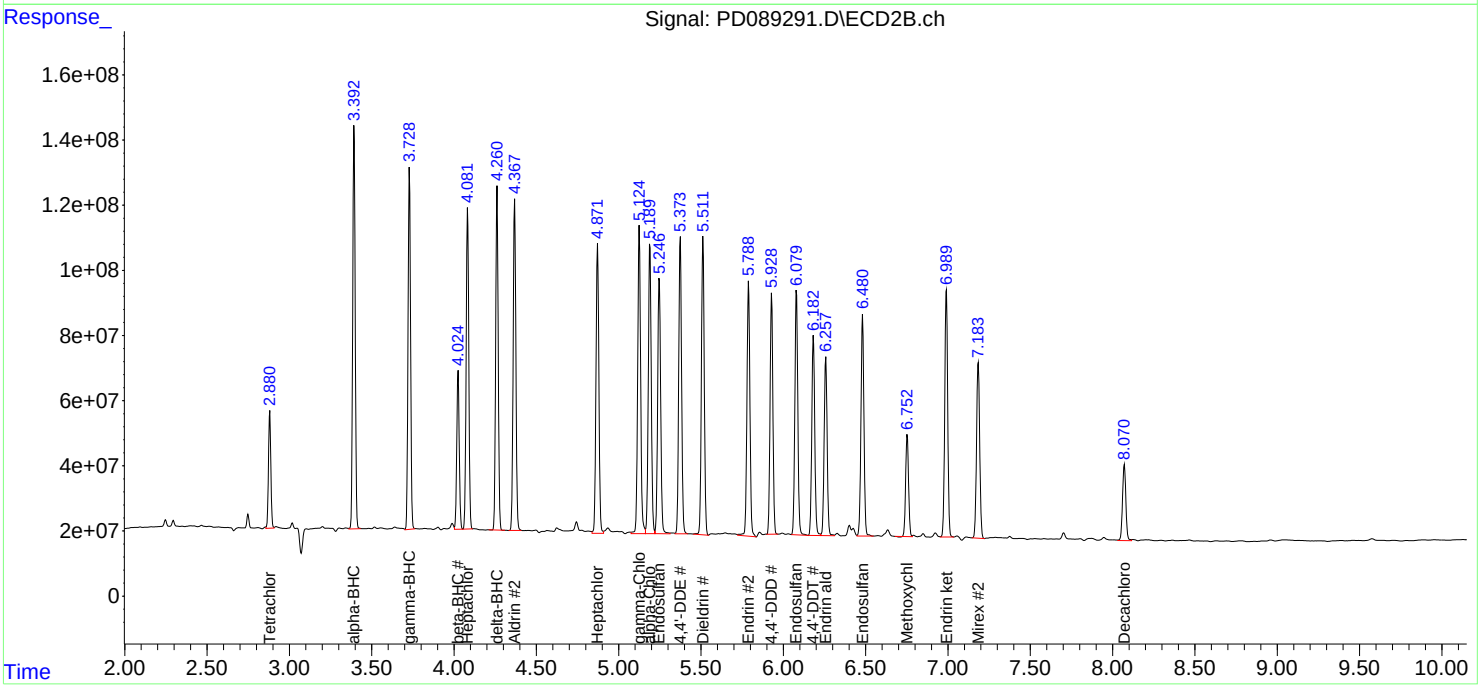
**Instrument :**
ECD_D
**ClientSampleId :**
TP-67MS

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD089292.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-67MSD | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-04MSD | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 89.7 Decanted: |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089292.D | 1 | 07/01/25 08:30 | 07/01/25 20:43 | PB168672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 18.2 | | 0.14 | 1.90 | ug/kg |
| 319-85-7 | beta-BHC | 17.9 | | 0.20 | 1.90 | ug/kg |
| 319-86-8 | delta-BHC | 19.0 | | 0.43 | 1.90 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 18.2 | | 0.16 | 1.90 | ug/kg |
| 76-44-8 | Heptachlor | 16.9 | | 0.13 | 1.90 | ug/kg |
| 309-00-2 | Aldrin | 18.2 | | 0.13 | 1.90 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 18.3 | | 0.21 | 1.90 | ug/kg |
| 959-98-8 | Endosulfan I | 17.9 | | 0.16 | 1.90 | ug/kg |
| 60-57-1 | Dieldrin | 17.9 | | 0.16 | 1.90 | ug/kg |
| 72-55-9 | 4,4-DDE | 18.0 | | 0.16 | 1.90 | ug/kg |
| 72-20-8 | Endrin | 17.2 | | 0.16 | 1.90 | ug/kg |
| 33213-65-9 | Endosulfan II | 17.4 | | 0.32 | 1.90 | ug/kg |
| 72-54-8 | 4,4-DDD | 19.0 | | 0.17 | 1.90 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 17.1 | | 0.14 | 1.90 | ug/kg |
| 50-29-3 | 4,4-DDT | 15.0 | | 0.16 | 1.90 | ug/kg |
| 72-43-5 | Methoxychlor | 14.2 | | 0.41 | 1.90 | ug/kg |
| 53494-70-5 | Endrin ketone | 17.7 | | 0.21 | 1.90 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 17.3 | | 0.41 | 1.90 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 18.2 | | 0.13 | 1.90 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 18.4 | | 0.17 | 1.90 | ug/kg |
| 8001-35-2 | Toxaphene | 6.00 | U | 6.00 | 36.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 16.6 | | 20 - 144 | 83% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.6 | | 19 - 148 | 108% | SPK: 20 |

Raw Data: **PD089292.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-67MSD | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-04MSD | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 89.7 Decanted: |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089292.D | 1 | 07/01/25 08:30 | 07/01/25 20:43 | PB168672 |

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PD089292.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:43
Operator : AR\AJ
Sample : Q2458-04MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-67MSD

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.550 | 2.880 | 56098549 | 367.0E6 | 19.662 | 21.650m |
| 28) | SA Decachlor... | 9.073 | 8.072 | 63612232 | 327.6E6 | 16.196 | 16.573 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.000 | 3.392 | 285.8E6 | 1310.3E6 | 49.030 | 48.897m |
| 3) | MA gamma-BHC... | 4.331 | 3.728 | 274.7E6 | 1202.7E6 | 49.222 | 48.579m |
| 4) | MA Heptachlor | 4.929 | 4.083 | 248.9E6 | 1131.5E6 | 45.647 | 45.192 |
| 5) | MB Aldrin | 5.271 | 4.369 | 260.3E6 | 1180.6E6 | 48.993 | 48.751 |
| 6) | B beta-BHC | 4.516 | 4.026 | 103.6E6 | 519.0E6 | 46.932 | 48.296 |
| 7) | B delta-BHC | 4.764 | 4.262 | 263.1E6 | 1197.3E6 | 51.252 | 48.136 |
| 8) | B Heptachlo... | 5.691 | 4.872 | 230.8E6 | 1080.9E6 | 47.854 | 49.359 |
| 9) | A Endosulfan I | 6.074 | 5.247 | 217.9E6 | 1003.8E6 | 48.353 | 48.161 |
| 10) | B gamma-Chl... | 5.946 | 5.125 | 234.7E6 | 1189.6E6 | 49.023 | 49.725 |
| 11) | B alpha-Chl... | 6.027 | 5.190 | 237.5E6 | 1114.3E6 | 49.078 | 48.664 |
| 12) | B 4,4'-DDE | 6.196 | 5.375 | 211.6E6 | 1105.2E6 | 48.531 | 48.230 |
| 13) | MA Dieldrin | 6.347 | 5.511 | 230.9E6 | 1118.5E6 | 48.120 | 48.195m |
| 14) | MA Endrin | 6.574 | 5.789 | 187.9E6 | 1007.1E6 | 45.550 | 46.381 |
| 15) | B Endosulfa... | 6.786 | 6.080 | 188.9E6 | 949.8E6 | 46.792 | 47.027 |
| 16) | A 4,4'-DDD | 6.705 | 5.929 | 176.0E6 | 899.1E6 | 51.278 | 47.000 |
| 17) | MA 4,4'-DDT | 7.021 | 6.183 | 150.3E6 | 820.2E6 | 39.689 | 40.445 |
| 18) | B Endrin al... | 6.915 | 6.258 | 142.7E6 | 709.2E6 | 46.571 | 46.319 |
| 19) | B Endosulfa... | 7.150 | 6.482 | 176.6E6 | 896.8E6 | 46.018 | 45.706 |
| 20) | A Methoxychlor | 7.493 | 6.752 | 75092398 | 412.4E6 | 37.163 | 38.301m |
| 21) | B Endrin ke... | 7.630 | 6.991 | 194.5E6 | 990.0E6 | 47.754 | 45.830 |
| 22) | Mirex | 8.114 | 7.184 | 137.4E6 | 736.9E6 | 45.209 | 44.184 |

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

Sample Results: **PD089292.D**

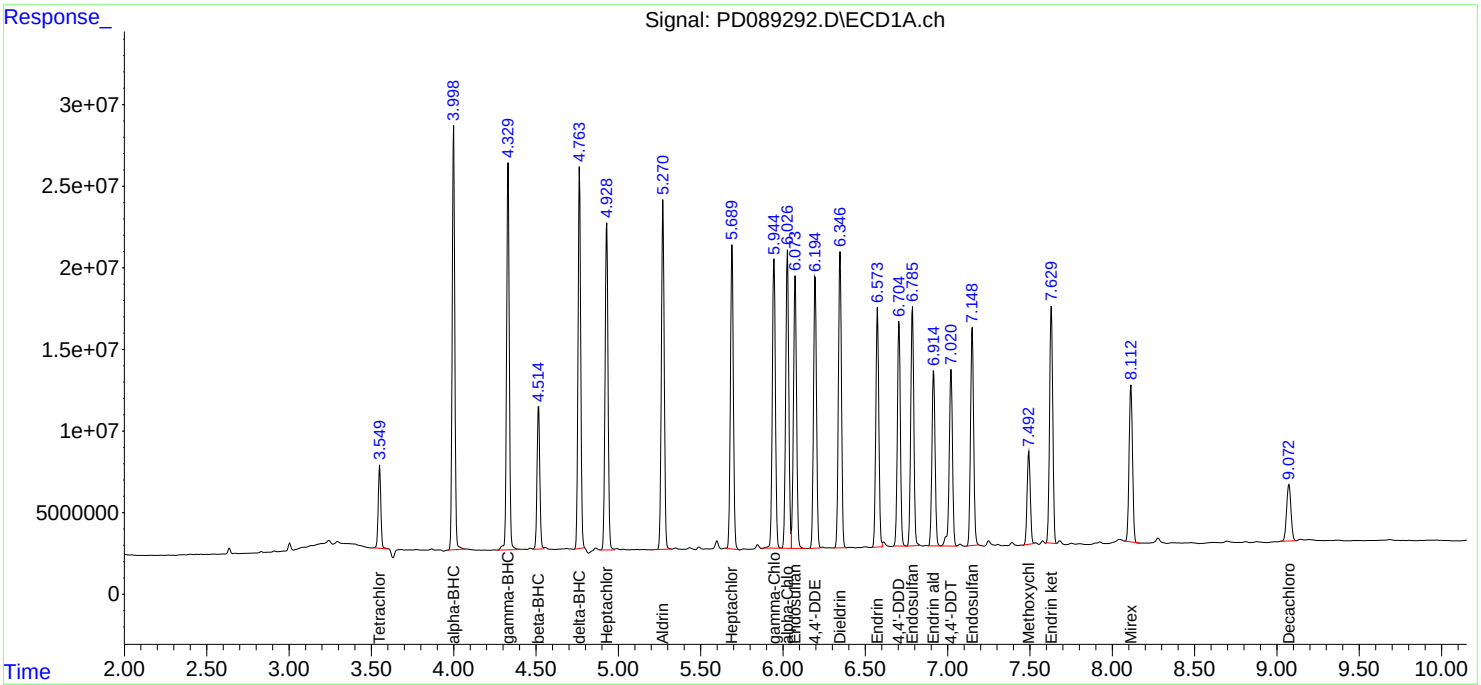
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 20:43
Operator : AR\AJ
Sample : Q2458-04MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

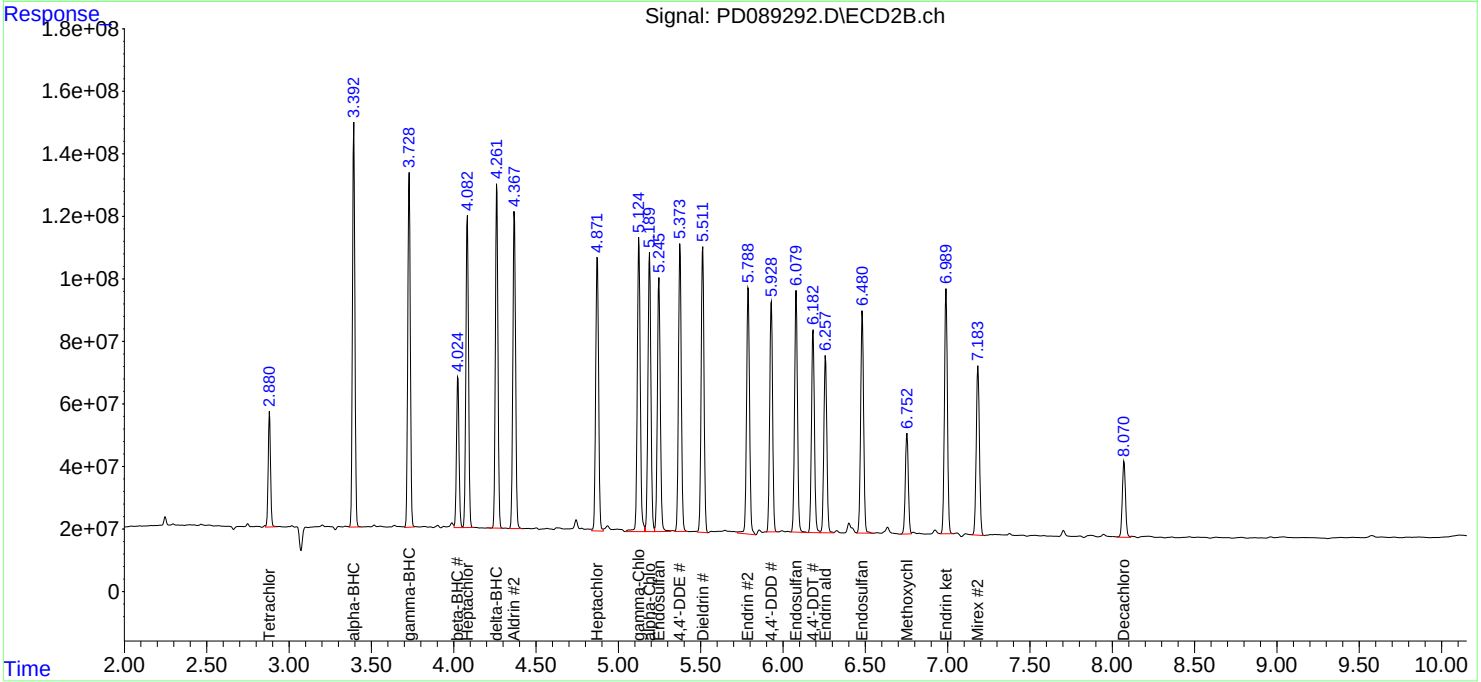
**Instrument :**
ECD_D
**ClientSampleId :**
TP-67MSD

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

# Manual Integration Report

| Sequence: | PD061825 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PEM | PD088991.D | 4,4"-DDD | Abdul | 6/18/2025 8:40:15 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PEM | PD088991.D | 4,4"-DDD #2 | Abdul | 6/18/2025 8:40:15 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PEM | PD088991.D | beta-BHC | Abdul | 6/18/2025 8:40:15 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PEM | PD088991.D | Endrin aldehyde | Abdul | 6/18/2025 8:40:15 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PEM | PD088991.D | Endrin aldehyde #2 | Abdul | 6/18/2025 8:40:15 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PEM | PD088991.D | Endrin ketone | Abdul | 6/18/2025 8:40:15 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PEM | PD088991.D | Endrin ketone #2 | Abdul | 6/18/2025 8:40:15 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PSTDICC025 | PD088996.D | Endrin #2 | Abdul | 6/18/2025 8:40:24 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PSTDICC005 | PD088997.D | Endrin #2 | Abdul | 6/18/2025 8:40:30 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |
| PSTDICC005 | PD088997.D | Endrin ketone #2 | Abdul | 6/18/2025 8:40:30 AM | mohammad | 6/19/2025 2:43:55 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070225 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PEM | PD089265.D | 4,4"-DDD | Abdul | 7/2/2025 8:57:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089265.D | 4,4"-DDE | Abdul | 7/2/2025 8:57:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089265.D | 4,4"-DDE #2 | Abdul | 7/2/2025 8:57:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089265.D | alpha-BHC #2 | Abdul | 7/2/2025 8:57:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089265.D | Endrin | Abdul | 7/2/2025 8:57:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089265.D | gamma-BHC (Lindane) | Abdul | 7/2/2025 8:57:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089266.D | delta-BHC | Abdul | 7/2/2025 8:57:53 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089266.D | Dieldrin #2 | Abdul | 7/2/2025 8:57:53 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089266.D | Endrin aldehyde | Abdul | 7/2/2025 8:57:53 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089266.D | gamma-BHC (Lindane) #2 | Abdul | 7/2/2025 8:57:53 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089266.D | gamma-Chlordane #2 | Abdul | 7/2/2025 8:57:53 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089266.D | Heptachlor epoxide #2 | Abdul | 7/2/2025 8:57:53 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089266.D | Mirex #2 | Abdul | 7/2/2025 8:57:53 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070225 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB168672BS | PD089275.D | gamma-BHC (Lindane) #2 | Abdul | 7/2/2025 8:58:16 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PB168672BS | PD089275.D | gamma-Chlordane #2 | Abdul | 7/2/2025 8:58:16 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089277.D | alpha-Chlordane #2 | Abdul | 7/2/2025 8:58:19 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089277.D | Dieldrin #2 | Abdul | 7/2/2025 8:58:19 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089277.D | Endosulfan I #2 | Abdul | 7/2/2025 8:58:19 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089277.D | gamma-BHC (Lindane) #2 | Abdul | 7/2/2025 8:58:19 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089277.D | gamma-Chlordane #2 | Abdul | 7/2/2025 8:58:19 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089277.D | Heptachlor epoxide #2 | Abdul | 7/2/2025 8:58:19 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-01 | PD089284.D | Decachlorobiphenyl | Abdul | 7/2/2025 8:58:33 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-01 | PD089284.D | Dieldrin | Abdul | 7/2/2025 8:58:33 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-01 | PD089284.D | Dieldrin #2 | Abdul | 7/2/2025 8:58:33 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-01 | PD089284.D | Endrin #2 | Abdul | 7/2/2025 8:58:33 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-01 | PD089284.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:58:33 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070225 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2458-03 | PD089286.D | Decachlorobiphenyl | Abdul | 7/2/2025 8:58:36 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-03 | PD089286.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:58:36 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089288.D | 4,4"-DDE #2 | Abdul | 7/2/2025 8:58:39 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089288.D | Endrin | Abdul | 7/2/2025 8:58:39 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PEM | PD089288.D | gamma-BHC (Lindane) #2 | Abdul | 7/2/2025 8:58:39 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089289.D | Dieldrin #2 | Abdul | 7/2/2025 8:58:43 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089289.D | gamma-Chlordane #2 | Abdul | 7/2/2025 8:58:43 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089289.D | Heptachlor epoxide #2 | Abdul | 7/2/2025 8:58:43 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04 | PD089290.D | 4,4"-DDE #2 | Abdul | 7/2/2025 8:58:46 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04 | PD089290.D | 4,4"-DDT | Abdul | 7/2/2025 8:58:46 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04 | PD089290.D | alpha-Chlordane #2 | Abdul | 7/2/2025 8:58:46 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04 | PD089290.D | gamma-Chlordane | Abdul | 7/2/2025 8:58:46 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04 | PD089290.D | gamma-Chlordane #2 | Abdul | 7/2/2025 8:58:46 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070225 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2458-04 | PD089290.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:58:46 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MS | PD089291.D | alpha-BHC #2 | Abdul | 7/2/2025 8:58:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MS | PD089291.D | gamma-BHC (Lindane) #2 | Abdul | 7/2/2025 8:58:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MS | PD089291.D | gamma-Chlordane | Abdul | 7/2/2025 8:58:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MS | PD089291.D | Methoxychlor | Abdul | 7/2/2025 8:58:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MS | PD089291.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:58:50 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MSD | PD089292.D | alpha-BHC #2 | Abdul | 7/2/2025 8:58:54 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MSD | PD089292.D | Dieldrin #2 | Abdul | 7/2/2025 8:58:54 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MSD | PD089292.D | gamma-BHC (Lindane) #2 | Abdul | 7/2/2025 8:58:54 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MSD | PD089292.D | Methoxychlor #2 | Abdul | 7/2/2025 8:58:54 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-04MSD | PD089292.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:58:54 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-05 | PD089293.D | 4,4"-DDT | Abdul | 7/2/2025 3:42:44 PM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-05 | PD089293.D | 4,4"-DDT #2 | Abdul | 7/2/2025 3:42:44 PM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070225 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2458-06 | PD089294.D | 4,4"-DDD | Abdul | 7/2/2025 8:59:05 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-06 | PD089294.D | 4,4"-DDD #2 | Abdul | 7/2/2025 8:59:05 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-06 | PD089294.D | 4,4"-DDT | Abdul | 7/2/2025 8:59:05 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-06 | PD089294.D | alpha-Chlordane | Abdul | 7/2/2025 8:59:05 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-06 | PD089294.D | alpha-Chlordane #2 | Abdul | 7/2/2025 8:59:05 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-06 | PD089294.D | gamma-Chlordane | Abdul | 7/2/2025 8:59:05 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-06 | PD089294.D | gamma-Chlordane #2 | Abdul | 7/2/2025 8:59:05 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-07 | PD089295.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:59:11 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-08 | PD089296.D | 4,4"-DDD | Abdul | 7/2/2025 8:59:15 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-08 | PD089296.D | alpha-Chlordane #2 | Abdul | 7/2/2025 8:59:15 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-08 | PD089296.D | gamma-Chlordane | Abdul | 7/2/2025 8:59:15 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-08 | PD089296.D | gamma-Chlordane #2 | Abdul | 7/2/2025 8:59:15 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| Q2458-08 | PD089296.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:59:15 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070225 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2458-09 | PD089297.D | Tetrachloro-m-xylene #2 | Abdul | 7/2/2025 8:59:20 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |
| PSTDCCC050 | PD089299.D | Dieldrin #2 | Abdul | 7/2/2025 8:59:24 AM | mohammad | 7/4/2025 4:31:21 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070425 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| I.BLK | PD089326.D | Tetrachloro-m-xylene #2 | Abdul | 7/7/2025 8:15:12 AM |   |   | Peak Integrated by Software |
| PEM | PD089327.D | 4,4"-DDD | Abdul | 7/7/2025 8:14:38 AM |   |   | Peak Integrated by Software |
| PEM | PD089327.D | 4,4"-DDD #2 | Abdul | 7/7/2025 8:14:38 AM |   |   | Peak Integrated by Software |
| PEM | PD089327.D | 4,4"-DDE | Abdul | 7/7/2025 8:14:38 AM |   |   | Peak Integrated by Software |
| PEM | PD089327.D | 4,4"-DDE #2 | Abdul | 7/7/2025 8:14:38 AM |   |   | Peak Integrated by Software |
| PSTDCCC050 | PD089328.D | Dieldrin #2 | Abdul | 7/7/2025 8:13:26 AM |   |   | Peak Integrated by Software |
| PSTDCCC050 | PD089328.D | gamma-BHC (Lindane) #2 | Abdul | 7/7/2025 8:13:26 AM |   |   | Peak Integrated by Software |
| PSTDCCC050 | PD089328.D | gamma-Chlordane #2 | Abdul | 7/7/2025 8:13:26 AM |   |   | Peak Integrated by Software |
| PB168718BL | PD089329.D | Tetrachloro-m-xylene #2 | Abdul | 7/7/2025 8:16:43 AM |   |   | Peak Integrated by Software |
| PB168718BS | PD089330.D | gamma-BHC (Lindane) #2 | Abdul | 7/7/2025 8:16:33 AM |   |   | Peak Integrated by Software |
| PB168718BSD | PD089331.D | Endrin aldehyde #2 | Abdul | 7/7/2025 8:16:09 AM |   |   | Peak Integrated by Software |
| PB168718BSD | PD089331.D | gamma-BHC (Lindane) #2 | Abdul | 7/7/2025 8:16:09 AM |   |   | Peak Integrated by Software |
| PSTDCCC050 | PD089338.D | Dieldrin #2 | Abdul | 7/7/2025 8:14:07 AM |   |   | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pd070425 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PSTDCCC050 | PD089338.D | gamma-BHC (Lindane) #2 | Abdul | 7/7/2025 8:14:07 AM |   |   | Peak Integrated by Software |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 6/18/2025 8:40:56 AM | | |
| Supervise By | mohammad | Supervise On | 6/19/2025 2:43:55 AM | | |
| SubDirectory | PD061825 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PD088989.D | 17 Jun 2025 14:58 | AR\AJ | Ok |
| 2 | I.BLK | PD088990.D | 17 Jun 2025 15:11 | AR\AJ | Ok |
| 3 | PEM | PD088991.D | 17 Jun 2025 15:25 | AR\AJ | Ok,M |
| 4 | RESCHK | PD088992.D | 17 Jun 2025 15:39 | AR\AJ | Ok |
| 5 | PSTDICC100 | PD088993.D | 17 Jun 2025 15:52 | AR\AJ | Ok |
| 6 | PSTDICC075 | PD088994.D | 17 Jun 2025 16:06 | AR\AJ | Ok |
| 7 | PSTDICC050 | PD088995.D | 17 Jun 2025 16:20 | AR\AJ | Ok |
| 8 | PSTDICC025 | PD088996.D | 17 Jun 2025 16:33 | AR\AJ | Ok,M |
| 9 | PSTDICC005 | PD088997.D | 17 Jun 2025 16:47 | AR\AJ | Ok,M |
| 10 | PCHLORICC1000 | PD088998.D | 17 Jun 2025 17:00 | AR\AJ | Ok |
| 11 | PCHLORICC750 | PD088999.D | 17 Jun 2025 17:14 | AR\AJ | Ok |
| 12 | PCHLORICC500 | PD089000.D | 17 Jun 2025 17:28 | AR\AJ | Ok |
| 13 | PCHLORICC250 | PD089001.D | 17 Jun 2025 17:41 | AR\AJ | Ok |
| 14 | PCHLORICC050 | PD089002.D | 17 Jun 2025 17:55 | AR\AJ | Ok |
| 15 | PTOXICC1000 | PD089003.D | 17 Jun 2025 18:09 | AR\AJ | Ok |
| 16 | PTOXICC750 | PD089004.D | 17 Jun 2025 18:22 | AR\AJ | Ok |
| 17 | PTOXICC500 | PD089005.D | 17 Jun 2025 18:36 | AR\AJ | Ok |
| 18 | PTOXICC250 | PD089006.D | 17 Jun 2025 18:50 | AR\AJ | Ok |
| 19 | PTOXICC100 | PD089007.D | 17 Jun 2025 19:03 | AR\AJ | Ok,M |
| 20 | PSTDICV050 | PD089008.D | 17 Jun 2025 19:17 | AR\AJ | Ok |
| 21 | PCHLORICV500 | PD089009.D | 17 Jun 2025 19:31 | AR\AJ | Ok |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 6/18/2025 8:40:56 AM | | |
| Supervise By | mohammad | Supervise On | 6/19/2025 2:43:55 AM | | |
| SubDirectory | PD061825 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PTOXICV500 | PD089010.D | 17 Jun 2025 19:44 | AR\AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD070225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/2/2025 9:00:09 AM | | |
| Supervise By | mohammad | Supervise On | 7/4/2025 4:31:21 AM | | |
| SubDirectory | PD070225 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PD089263.D | 01 Jul 2025 11:46 | AR\AJ | Ok |
| 2 | I.BLK | PD089264.D | 01 Jul 2025 11:59 | AR\AJ | Ok |
| 3 | PEM | PD089265.D | 01 Jul 2025 12:13 | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PD089266.D | 01 Jul 2025 13:35 | AR\AJ | Ok,M |
| 5 | Q2447-04 | PD089267.D | 01 Jul 2025 13:52 | AR\AJ | Ok,M |
| 6 | Q2447-06 | PD089268.D | 01 Jul 2025 14:06 | AR\AJ | Ok |
| 7 | PB168655BL | PD089269.D | 01 Jul 2025 14:19 | AR\AJ | Ok,M |
| 8 | PB168672BL | PD089270.D | 01 Jul 2025 14:33 | AR\AJ | Ok |
| 9 | PB168672BS | PD089271.D | 01 Jul 2025 14:47 | AR\AJ | Not Ok |
| 10 | Q2464-01 | PD089272.D | 01 Jul 2025 15:00 | AR\AJ | Ok,M |
| 11 | Q2459-01 | PD089273.D | 01 Jul 2025 15:14 | AR\AJ | Ok,M |
| 12 | Q2469-01 | PD089274.D | 01 Jul 2025 15:28 | AR\AJ | Ok,M |
| 13 | PB168672BS | PD089275.D | 01 Jul 2025 16:23 | AR\AJ | Ok,M |
| 14 | I.BLK | PD089276.D | 01 Jul 2025 16:37 | AR\AJ | Ok |
| 15 | PSTDCCC050 | PD089277.D | 01 Jul 2025 16:50 | AR\AJ | Ok,M |
| 16 | PB168676BL | PD089278.D | 01 Jul 2025 17:04 | AR\AJ | Ok |
| 17 | PB168676BS | PD089279.D | 01 Jul 2025 17:18 | AR\AJ | Ok,M |
| 18 | PB168571TB | PD089280.D | 01 Jul 2025 17:32 | AR\AJ | Ok |
| 19 | Q2409-02 | PD089281.D | 01 Jul 2025 17:45 | AR\AJ | Ok |
| 20 | Q2409-02MS | PD089282.D | 01 Jul 2025 17:59 | AR\AJ | Ok,M |
| 21 | Q2409-02MSD | PD089283.D | 01 Jul 2025 18:13 | AR\AJ | Ok,M |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD070225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/2/2025 9:00:09 AM | | |
| Supervise By | mohammad | Supervise On | 7/4/2025 4:31:21 AM | | |
| SubDirectory | PD070225 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2458-01 | PD089284.D | 01 Jul 2025 18:26 | AR\AJ | Ok,M |
| 23 | Q2458-02 | PD089285.D | 01 Jul 2025 18:40 | AR\AJ | Ok |
| 24 | Q2458-03 | PD089286.D | 01 Jul 2025 18:53 | AR\AJ | Ok,M |
| 25 | I.BLK | PD089287.D | 01 Jul 2025 19:07 | AR\AJ | Ok |
| 26 | PEM | PD089288.D | 01 Jul 2025 19:21 | AR\AJ | Ok,M |
| 27 | PSTDCCC050 | PD089289.D | 01 Jul 2025 19:34 | AR\AJ | Ok,M |
| 28 | Q2458-04 | PD089290.D | 01 Jul 2025 20:15 | AR\AJ | Ok,M |
| 29 | Q2458-04MS | PD089291.D | 01 Jul 2025 20:29 | AR\AJ | Ok,M |
| 30 | Q2458-04MSD | PD089292.D | 01 Jul 2025 20:43 | AR\AJ | Ok,M |
| 31 | Q2458-05 | PD089293.D | 01 Jul 2025 20:57 | AR\AJ | Ok,M |
| 32 | Q2458-06 | PD089294.D | 01 Jul 2025 21:10 | AR\AJ | Ok,M |
| 33 | Q2458-07 | PD089295.D | 01 Jul 2025 21:24 | AR\AJ | Ok,M |
| 34 | Q2458-08 | PD089296.D | 01 Jul 2025 21:37 | AR\AJ | Ok,M |
| 35 | Q2458-09 | PD089297.D | 01 Jul 2025 21:51 | AR\AJ | Ok,M |
| 36 | I.BLK | PD089298.D | 01 Jul 2025 22:05 | AR\AJ | Ok |
| 37 | PSTDCCC050 | PD089299.D | 01 Jul 2025 22:59 | AR\AJ | Ok,M |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD070425

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | PD070425 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PD089325.D | 03 Jul 2025 09:05 | AR\AJ | Ok |
| 2 | I.BLK | PD089326.D | 03 Jul 2025 09:19 | AR\AJ | Ok,NS |
| 3 | PEM | PD089327.D | 03 Jul 2025 09:32 | AR\AJ | Ok,NS |
| 4 | PSTDCCC050 | PD089328.D | 03 Jul 2025 09:46 | AR\AJ | Ok,NS |
| 5 | PB168718BL | PD089329.D | 03 Jul 2025 13:55 | AR\AJ | Ok,NS |
| 6 | PB168718BS | PD089330.D | 03 Jul 2025 14:09 | AR\AJ | Ok,NS |
| 7 | PB168718BSD | PD089331.D | 03 Jul 2025 14:27 | AR\AJ | Ok,NS |
| 8 | Q2458-10 | PD089332.D | 03 Jul 2025 14:40 | AR\AJ | Ok |
| 9 | PB168725BL | PD089333.D | 03 Jul 2025 14:54 | AR\AJ | Ok |
| 10 | PB168725BS | PD089334.D | 03 Jul 2025 15:07 | AR\AJ | Ok,NS |
| 11 | Q2487-09 | PD089335.D | 03 Jul 2025 15:21 | AR\AJ | Ok |
| 12 | Q2487-10 | PD089336.D | 03 Jul 2025 15:35 | AR\AJ | Ok,NS |
| 13 | I.BLK | PD089337.D | 03 Jul 2025 15:48 | AR\AJ | Ok |
| 14 | PSTDCCC050 | PD089338.D | 03 Jul 2025 16:02 | AR\AJ | Ok,NS |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 6/18/2025 8:40:56 AM | | |
| Supervise By | mohammad | Supervise On | 6/19/2025 2:43:55 AM | | |
| SubDirectory | PD061825 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PD088989.D | 17 Jun 2025 14:58 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PD088990.D | 17 Jun 2025 15:11 | | AR\AJ | Ok |
| 3 | PEM | PEM | PD088991.D | 17 Jun 2025 15:25 | | AR\AJ | Ok,M |
| 4 | RESCHK | RESCHK | PD088992.D | 17 Jun 2025 15:39 | | AR\AJ | Ok |
| 5 | PSTDICC100 | PSTDICC100 | PD088993.D | 17 Jun 2025 15:52 | | AR\AJ | Ok |
| 6 | PSTDICC075 | PSTDICC075 | PD088994.D | 17 Jun 2025 16:06 | | AR\AJ | Ok |
| 7 | PSTDICC050 | PSTDICC050 | PD088995.D | 17 Jun 2025 16:20 | | AR\AJ | Ok |
| 8 | PSTDICC025 | PSTDICC025 | PD088996.D | 17 Jun 2025 16:33 | | AR\AJ | Ok,M |
| 9 | PSTDICC005 | PSTDICC005 | PD088997.D | 17 Jun 2025 16:47 | | AR\AJ | Ok,M |
| 10 | PCHLORICC1000 | PCHLORICC1000 | PD088998.D | 17 Jun 2025 17:00 | | AR\AJ | Ok |
| 11 | PCHLORICC750 | PCHLORICC750 | PD088999.D | 17 Jun 2025 17:14 | | AR\AJ | Ok |
| 12 | PCHLORICC500 | PCHLORICC500 | PD089000.D | 17 Jun 2025 17:28 | | AR\AJ | Ok |
| 13 | PCHLORICC250 | PCHLORICC250 | PD089001.D | 17 Jun 2025 17:41 | | AR\AJ | Ok |
| 14 | PCHLORICC050 | PCHLORICC050 | PD089002.D | 17 Jun 2025 17:55 | | AR\AJ | Ok |
| 15 | PTOXICC1000 | PTOXICC1000 | PD089003.D | 17 Jun 2025 18:09 | | AR\AJ | Ok |
| 16 | PTOXICC750 | PTOXICC750 | PD089004.D | 17 Jun 2025 18:22 | | AR\AJ | Ok |
| 17 | PTOXICC500 | PTOXICC500 | PD089005.D | 17 Jun 2025 18:36 | | AR\AJ | Ok |
| 18 | PTOXICC250 | PTOXICC250 | PD089006.D | 17 Jun 2025 18:50 | | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 6/18/2025 8:40:56 AM | | |
| Supervise By | mohammad | Supervise On | 6/19/2025 2:43:55 AM | | |
| SubDirectory | PD061825 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | PTOXICC100 | PTOXICC100 | PD089007.D | 17 Jun 2025 19:03 | | AR\AJ | Ok,M |
| 20 | PSTDICV050 | ICVPD061825 | PD089008.D | 17 Jun 2025 19:17 | | AR\AJ | Ok |
| 21 | PCHLORICV500 | ICVPD061825CHLOR | PD089009.D | 17 Jun 2025 19:31 | | AR\AJ | Ok |
| 22 | PTOXICV500 | ICVPD061825TOX | PD089010.D | 17 Jun 2025 19:44 | | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD070225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/2/2025 9:00:09 AM | | |
| Supervise By | mohammad | Supervise On | 7/4/2025 4:31:21 AM | | |
| SubDirectory | PD070225 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PD089263.D | 01 Jul 2025 11:46 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PD089264.D | 01 Jul 2025 11:59 | | AR\AJ | Ok |
| 3 | PEM | PEM | PD089265.D | 01 Jul 2025 12:13 | | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PSTDCCC050 | PD089266.D | 01 Jul 2025 13:35 | | AR\AJ | Ok,M |
| 5 | Q2447-04 | COMP-2 | PD089267.D | 01 Jul 2025 13:52 | check cleanup | AR\AJ | Ok,M |
| 6 | Q2447-06 | LAW-25-0100 | PD089268.D | 01 Jul 2025 14:06 | check cleanup | AR\AJ | Ok |
| 7 | PB168655BL | PB168655BL | PD089269.D | 01 Jul 2025 14:19 | | AR\AJ | Ok,M |
| 8 | PB168672BL | PB168672BL | PD089270.D | 01 Jul 2025 14:33 | | AR\AJ | Ok |
| 9 | PB168672BS | PB168672BS | PD089271.D | 01 Jul 2025 14:47 | Surrogate and some compounds recovery fail | AR\AJ | Not Ok |
| 10 | Q2464-01 | OR-3-063025 | PD089272.D | 01 Jul 2025 15:00 | | AR\AJ | Ok,M |
| 11 | Q2459-01 | TP-1 | PD089273.D | 01 Jul 2025 15:14 | | AR\AJ | Ok,M |
| 12 | Q2469-01 | WC-1 | PD089274.D | 01 Jul 2025 15:28 | | AR\AJ | Ok,M |
| 13 | PB168672BS | PB168672BS | PD089275.D | 01 Jul 2025 16:23 | | AR\AJ | Ok,M |
| 14 | I.BLK | I.BLK | PD089276.D | 01 Jul 2025 16:37 | | AR\AJ | Ok |
| 15 | PSTDCCC050 | PSTDCCC050 | PD089277.D | 01 Jul 2025 16:50 | | AR\AJ | Ok,M |
| 16 | PB168676BL | PB168676BL | PD089278.D | 01 Jul 2025 17:04 | | AR\AJ | Ok |
| 17 | PB168676BS | PB168676BS | PD089279.D | 01 Jul 2025 17:18 | | AR\AJ | Ok,M |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD070225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/2/2025 9:00:09 AM | | |
| Supervise By | mohammad | Supervise On | 7/4/2025 4:31:21 AM | | |
| SubDirectory | PD070225 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | PB168571TB | PB168571TB | PD089280.D | 01 Jul 2025 17:32 | | AR\AJ | Ok |
| 19 | Q2409-02 | COP-SOIL-PILE | PD089281.D | 01 Jul 2025 17:45 | | AR\AJ | Ok |
| 20 | Q2409-02MS | COP-SOIL-PILEMS | PD089282.D | 01 Jul 2025 17:59 | | AR\AJ | Ok,M |
| 21 | Q2409-02MSD | COP-SOIL-PILEMSD | PD089283.D | 01 Jul 2025 18:13 | | AR\AJ | Ok,M |
| 22 | Q2458-01 | TP-76 | PD089284.D | 01 Jul 2025 18:26 | | AR\AJ | Ok,M |
| 23 | Q2458-02 | TP-55 | PD089285.D | 01 Jul 2025 18:40 | | AR\AJ | Ok |
| 24 | Q2458-03 | TP-68 | PD089286.D | 01 Jul 2025 18:53 | | AR\AJ | Ok,M |
| 25 | I.BLK | I.BLK | PD089287.D | 01 Jul 2025 19:07 | | AR\AJ | Ok |
| 26 | PEM | PEM | PD089288.D | 01 Jul 2025 19:21 | | AR\AJ | Ok,M |
| 27 | PSTDCCC050 | PSTDCCC050 | PD089289.D | 01 Jul 2025 19:34 | | AR\AJ | Ok,M |
| 28 | Q2458-04 | TP-67 | PD089290.D | 01 Jul 2025 20:15 | | AR\AJ | Ok,M |
| 29 | Q2458-04MS | TP-67MS | PD089291.D | 01 Jul 2025 20:29 | | AR\AJ | Ok,M |
| 30 | Q2458-04MSD | TP-67MSD | PD089292.D | 01 Jul 2025 20:43 | | AR\AJ | Ok,M |
| 31 | Q2458-05 | TP-66 | PD089293.D | 01 Jul 2025 20:57 | | AR\AJ | Ok,M |
| 32 | Q2458-06 | TP-60 | PD089294.D | 01 Jul 2025 21:10 | | AR\AJ | Ok,M |
| 33 | Q2458-07 | TP-62 | PD089295.D | 01 Jul 2025 21:24 | | AR\AJ | Ok,M |
| 34 | Q2458-08 | TP-63 | PD089296.D | 01 Jul 2025 21:37 | | AR\AJ | Ok,M |
| 35 | Q2458-09 | TP-59 | PD089297.D | 01 Jul 2025 21:51 | | AR\AJ | Ok,M |
| 36 | I.BLK | I.BLK | PD089298.D | 01 Jul 2025 22:05 | | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD070225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/2/2025 9:00:09 AM | | |
| Supervise By | mohammad | Supervise On | 7/4/2025 4:31:21 AM | | |
| SubDirectory | PD070225 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37 | PSTDCCC050 | PSTDCCC050 | PD089299.D | 01 Jul 2025 22:59 | | AR\AJ | Ok,M |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD070425

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | PD070425 | HP Acquire Method | | HP Processing Method | pd061825 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24433,PP24651 |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC | PP24261,PP24273,PP24279,PP24284 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24273,PP24279,PP24284 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PD089325.D | 03 Jul 2025 09:05 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PD089326.D | 03 Jul 2025 09:19 | | AR\AJ | Ok,NS |
| 3 | PEM | PEM | PD089327.D | 03 Jul 2025 09:32 | | AR\AJ | Ok,NS |
| 4 | PSTDCCC050 | PSTDCCC050 | PD089328.D | 03 Jul 2025 09:46 | | AR\AJ | Ok,NS |
| 5 | PB168718BL | PB168718BL | PD089329.D | 03 Jul 2025 13:55 | | AR\AJ | Ok,NS |
| 6 | PB168718BS | PB168718BS | PD089330.D | 03 Jul 2025 14:09 | | AR\AJ | Ok,NS |
| 7 | PB168718BSD | PB168718BSD | PD089331.D | 03 Jul 2025 14:27 | | AR\AJ | Ok,NS |
| 8 | Q2458-10 | FB-06272025 | PD089332.D | 03 Jul 2025 14:40 | | AR\AJ | Ok |
| 9 | PB168725BL | PB168725BL | PD089333.D | 03 Jul 2025 14:54 | | AR\AJ | Ok |
| 10 | PB168725BS | PB168725BS | PD089334.D | 03 Jul 2025 15:07 | | AR\AJ | Ok,NS |
| 11 | Q2487-09 | G4(0-6) | PD089335.D | 03 Jul 2025 15:21 | | AR\AJ | Ok |
| 12 | Q2487-10 | G4(6-12) | PD089336.D | 03 Jul 2025 15:35 | | AR\AJ | Ok,NS |
| 13 | I.BLK | I.BLK | PD089337.D | 03 Jul 2025 15:48 | | AR\AJ | Ok |
| 14 | PSTDCCC050 | PSTDCCC050 | PD089338.D | 03 Jul 2025 16:02 | | AR\AJ | Ok,NS |

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# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 7/1/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:25
**In Date:** 06/30/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 104
**Time OUT:** 08:22
**Out Date:** 07/01/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID-OVEN

**QC:** LB136327

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q2451-01 | Y2310-0409-1-1 | 1 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2451-02 | Y2310-0409-1-2 | 2 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2451-03 | Y2307-0279-1-1 | 3 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2451-04 | Y2307-0279-1-2 | 4 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2451-05 | KQA08OZ-1-1 | 5 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2451-06 | KQA08OZ-1-2 | 6 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2451-07 | HIA-925Q-1-1 | 7 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2451-08 | HIA-925Q-1-2 | 8 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2458-01 | TP-76 | 9 | 1.15 | 10.84 | 11.99 | 10.97 | 90.6 | |
| Q2458-02 | TP-55 | 10 | 1.18 | 10.49 | 11.67 | 10.77 | 91.4 | |
| Q2458-03 | TP-68 | 11 | 1.18 | 10.68 | 11.86 | 11.04 | 92.3 | |
| Q2458-04 | TP-67 | 12 | 1.19 | 10.16 | 11.35 | 10.3 | 89.7 | |
| Q2458-05 | TP-66 | 13 | 1.19 | 10.18 | 11.37 | 10.18 | 88.3 | |
| Q2458-06 | TP-60 | 14 | 1.15 | 10.83 | 11.98 | 11.17 | 92.5 | |
| Q2458-07 | TP-62 | 15 | 1.15 | 10.84 | 11.99 | 11.02 | 91.1 | |
| Q2458-08 | TP-63 | 16 | 1.19 | 10.82 | 12.01 | 10.54 | 86.4 | |
| Q2458-09 | TP-59 | 17 | 1.15 | 10.70 | 11.85 | 9.35 | 76.6 | |
| Q2459-01 | TP-1 | 18 | 1.19 | 10.74 | 11.93 | 10.66 | 88.2 | |
| Q2459-02 | TP-1-EPH | 19 | 1.15 | 10.88 | 12.03 | 10.8 | 88.7 | |
| Q2459-03 | TP-1-VOC | 20 | 1.16 | 10.83 | 11.99 | 10.9 | 89.9 | |
| Q2459-04 | TP-1 | 21 | 1.19 | 10.74 | 11.93 | 10.66 | 88.2 | |
| Q2462-02 | 60425-A | 22 | 1.15 | 10.31 | 11.46 | 9.96 | 85.5 | |
| Q2462-03 | 60425-B | 23 | 1.14 | 10.66 | 11.8 | 7.91 | 63.5 | |
| Q2462-04 | 60425-AB | 24 | 1.19 | 10.57 | 11.76 | 9.66 | 80.1 | |
| Q2462-05 | 50725 | 25 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | debris |
| Q2462-06 | 61625-A | 26 | 1.12 | 10.70 | 11.82 | 9.5 | 78.3 | |
| Q2462-07 | 61625-B | 27 | 1.18 | 10.37 | 11.55 | 8.29 | 68.6 | |
| Q2462-08 | 61625-C | 28 | 1.19 | 10.65 | 11.84 | 9.11 | 74.4 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 7/1/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:25
**In Date:** 06/30/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 104
**Time OUT:** 08:22
**Out Date:** 07/01/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID-OVEN

**QC:** LB136327

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q2462-09 | 61625-ABC | 29 | 1.19 | 10.56 | 11.75 | 9.26 | 76.4 | |
| Q2462-10 | 62725 | 30 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | debris |
| Q2464-01 | OR-3-063025 | 31 | 1.12 | 10.76 | 11.88 | 11.57 | 97.1 | |
| Q2464-02 | OR-3-063025-E2 | 32 | 1.18 | 10.50 | 11.68 | 11.3 | 96.4 | |
| Q2466-01 | 61825 | 33 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2466-02 | 62625 | 34 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2467-01 | 1A-1B-1C-Fire Stopher Caulk-Red | 35 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | Caulk sample |
| Q2469-01 | WC-1 | 36 | 1.15 | 10.13 | 11.28 | 9.8 | 85.4 | |
| Q2469-02 | WC-1-EPH | 37 | 1.19 | 10.36 | 11.55 | 10.14 | 86.4 | |
| Q2469-03 | WC-1-VOC | 38 | 1.15 | 10.84 | 11.99 | 10.74 | 88.5 | |
| Q2469-04 | WC-1 | 39 | 1.15 | 10.13 | 11.28 | 9.8 | 85.4 | |

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

# WORKLIST(Hardcopy Internal Chain)

JP 136327

**WorkList Name :** %1-063025 **WorkList ID :** 190450 **Department :** Wet-Chemistry **Date :** 06-30-2025 08:06:09

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2451-01 | Y2310-0409-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2451-02 | Y2310-0409-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2451-03 | Y2307-0279-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2451-04 | Y2307-0279-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2451-05 | KQA08OZ-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2451-06 | KQA08OZ-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2451-07 | HIA-925Q-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2451-08 | HIA-925Q-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2458-01 | TP-76 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D51 | 06/27/2025 | Chemtech -SO |
| Q2458-02 | TP-55 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/26/2025 | Chemtech -SO |
| Q2458-03 | TP-68 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/26/2025 | Chemtech -SO |
| Q2458-04 | TP-67 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | Chemtech -SO |
| Q2458-05 | TP-66 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | Chemtech -SO |
| Q2458-06 | TP-60 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | Chemtech -SO |
| Q2458-07 | TP-62 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | Chemtech -SO |
| Q2458-08 | TP-63 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | Chemtech -SO |
| Q2458-09 | TP-59 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | Chemtech -SO |
| Q2459-01 | TP-1 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | Chemtech -SO |
| Q2459-02 | TP-1-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A51 | 06/28/2025 | Chemtech -SO |
| Q2459-03 | TP-1-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A51 | 06/28/2025 | Chemtech -SO |
| Q2459-04 | TP-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A51 | 06/28/2025 | Chemtech -SO |

**Date/Time** 06/30/25 16:00

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** JD (SM)

**Date/Time** 06/30/25 17:30

**Raw Sample Received by:** JD (SM)

**Raw Sample Relinquished by:** [illegible]

# WORKLIST(Hardcopy Internal Chain)

VF 136327

**WorkList Name :** %1-063025 **WorkList ID :** 190450 **Department :** Wet-Chemistry **Date :** 06-30-2025 08:06:09

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2462-02 | 60425-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-03 | 60425-3 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-04 | 60425-AB | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-05 | 50725 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-06 | 61625-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-07 | 61625-B | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-08 | 61625-C | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-09 | 60425-ABC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2462-10 | 62725 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A12 | 06/30/2025 | Chemtech -SO |
| Q2464-01 | OR-3-063025 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | A21 | 06/30/2025 | Chemtech -SO |
| Q2464-02 | OR-3-063025 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | A21 | 06/30/2025 | Chemtech -SO |
| Q2466-01 | 61825 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A11 | 06/30/2025 | Chemtech -SO |
| Q2466-02 | 62625 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A11 | 06/30/2025 | Chemtech -SO |
| Q2467-01 | 1A-1B-1C-Fire Stopher Caulk-R | Solid | Percent Solids | Cool 4 deg C | ATCE02 | A61 | 06/26/2025 | Chemtech -SO |
| Q2469-01 | WC-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A61 | 06/30/2025 | Chemtech -SO |
| Q2469-02 | WC-1-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A61 | 06/30/2025 | Chemtech -SO |
| Q2469-03 | WC-1-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A61 | 06/30/2025 | Chemtech -SO |
| Q2469-04 | WC-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | A61 | 06/30/2025 | Chemtech -SO |

**Date/Time** 06/30/25 16:00

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** JP CSM



**Date/Time** 06/30/25 17:20

**Raw Sample Received by:** JP CSM

**Raw Sample Relinquished by:** [illegible]

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168672

**SOP ID:** M3541-ASE Extraction-14

**Clean Up SOP #:** Florisil

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** RJ

**Balance ID:** EX-SC-2

**pH Strip Lot#:** N/A

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 07/01/2025

**Extraction Start Time :** 08:30

**Extraction End Date :** 07/01/2025

**Extraction End Time :** 11:40

**Concentration By:** EH

**Supervisor By :** RUPESH

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 500 PPB | PP24627 |
| 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 | EP2613 |
| Baked Na2SO4 | N/A | EP2624 |
| ~~Sand~~ | N/A | ~~E2865~~ |
| Hexane | N/A | E3947 |
| Florisil | N/A | E3927 |
| 9:1 Hexane:Acetone Mixture | N/A | EP2596 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

RS 7/1/25

**Extraction Conformance/Non-Conformance Comments:**

40ML Vial Lot # 03-40BTS723.

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** NE VAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/1/25 | RS (Ext lab) | Y-P-Pest-PCB |
| 11:45 | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168672**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 07/01/2025

| Sample ID | Client Sample ID | Test | (g)/ mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168672BL | PBLK672 | Pesticide-TCL | 30.01 | N/A | ritesh | Evelyn | 10 | | | U1-1 |
| PB168672BS | PLCS672 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q2458-01 | TP-76 | Pesticide-TCL | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q2458-02 | TP-55 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q2458-03 | TP-68 | Pesticide-TCL | 30.01 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q2458-04 | TP-67 | Pesticide-TCL | 30.06 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| Q2458-04MS | TP-67MS | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | E | | U2-1 |
| Q2458-04MSD | TP-67MSD | Pesticide-TCL | 30.07 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q2458-05 | TP-66 | Pesticide-TCL | 30.06 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q2458-06 | TP-60 | Pesticide-TCL | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q2458-07 | TP-62 | Pesticide-TCL | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q2458-08 | TP-63 | Pesticide-TCL | 30.08 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| Q2458-09 | TP-59 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | E | | U3-1 |
| Q2459-01 | TP-1 | Pesticide-TCL | 30.01 | N/A | ritesh | Evelyn | 10 | D | | 2 |
| Q2464-01 | OR-3-063025 | Pesticide-TCL | 30.09 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q2469-01 | WC-1 | Pesticide-TCL | 30.07 | N/A | ritesh | Evelyn | 10 | D | | 4 |

RS 7/1/25

* **Extracts relinguished on the same date as received.**

168672
8:30

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2458 **WorkList ID :** 190471 **Department :** Extraction **Date :** 07-01-2025 08:24:37

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2458-01 | TP-76 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/26/2025 | 8081B |
| Q2458-02 | TP-55 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/26/2025 | 8081B |
| Q2458-03 | TP-68 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |
| Q2458-04 | TP-67 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |
| Q2458-05 | TP-66 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |
| Q2458-06 | TP-60 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |
| Q2458-07 | TP-62 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |
| Q2458-08 | TP-63 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |
| Q2458-09 | TP-59 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |
| Q2459-01 | TP-1 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | A51 | 06/28/2025 | 8081B |
| Q2464-01 | OR-3-063025 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG05 | A21 | 06/30/2025 | 8081B |
| Q2469-01 | WC-1 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | A61 | 06/30/2025 | 8081B |

**Date/Time** 07/01/25 8:25
**Raw Sample Received by:** RJ (LEAL-LAB)
**Raw Sample Relinquished by:** CR SM



**Date/Time** 07/01/25 8:50
**Raw Sample Received by:** CR SM
**Raw Sample Relinquished by:** RJ (LEAL-LAB)

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168718

**SOP ID:** M3510C,3580A-Extraction Pesticide-17

**Clean Up SOP #:** Florisil

**Matrix :** Water

**Weigh By:** N/A

**Balance check:** N/A

**Balance ID:** N/A

**pH Strip Lot#:** E3880

**Extraction By:** RS

**Filter By:** RS

**pH Meter ID:** N/A

**Hood ID:** 4,5,6,7

**Extraction Start Date :** 07/03/2025

**Extraction Start Time :** 08:58

**Extraction End Date :** 07/03/2025

**Extraction End Time :** 13:30

**Concentration By:** EH

**Supervisor By :** RUPESH

**Extraction Method:** [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 500 PPB | PP24627 |
| 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 |
|---|---|---|
| Methylene Chloride | N/A | E3943 |
| Baked Na2SO4 | N/A | EP2624 |
| Hexane | N/A | E3947 |
| Florisil | N/A | E3927 |
| 9:1 Hexane:Acetone Mixture | N/A | EP2596 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

40 ML Vial lot# 03-40 BTS723.

**KD Bath ID:** WATER BATH-1,2

**KD Bath Temperature:** 60 °C

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/3/25 | RS (Ext-lab) | YP pelt/PB |
| 13:35 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168718**

**Analytical Method:** M3510C,3580A-Extraction Pesticide-17

**Concentration Date:** 07/03/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168718BL | PBLK718 | Pesticide-TCL | 1000 | 6 | RUPESH | ritesh | 10 | | | SEP-10 |
| PB168718BS | PLCS718 | Pesticide-TCL | 1000 | 6 | RUPESH | ritesh | 10 | | | 11 |
| PB168718BSD | PLCSD718 | Pesticide-TCL | 1000 | 6 | RUPESH | ritesh | 10 | | | 12 |
| Q2458-10 | FB-06272025 | Pesticide-TCL | 980 | 6 | RUPESH | ritesh | 10 | I | | 13 |

RS 7/3

* **Extracts relinquished on the same date as received.**

168718
8:58P

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2458P **WorkList ID :** 190540 **Department :** Extraction **Date :** 07-03-2025 08:51:40

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2458-10 | FB-06272025 | Water | Herbicide | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8151A |
| Q2458-10 | FB-06272025 | Water | Pesticide-TCL | Cool 4 deg C | CAMP02 | D51 | 06/27/2025 | 8081B |

**Date/Time** 7/3/25 852

**Raw Sample Received by:** RS (Ext lab)

**Raw Sample Relinquished by:** SH



**Date/Time** 7/3/25 9:20

**Raw Sample Received by:** SH

**Raw Sample Relinquished by:** RS (Ext lab)


# SHIPPING DOCUMENTS

# Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2458
COC Number 2047524

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX:

## CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

## DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

## DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

## ANALYSIS

1. TCL VOC
2. TCL SVOC
3. PCB's
4. TAL METALS
5. PESTICIDES
6. HERBICIDES
7. DRO/GRO
8.
9.

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | TP-70 | S | | X | 6/26/25 | 1115 | 6 | X | X | X | X | X | X | X | | | E |
| 2. | TP-65 | S | | X | 6/26/25 | 1200 | 6 | X | X | X | X | X | X | X | | | E |
| 3. | TP-68 | S | | X | 6/27/25 | 0745 | 6 | X | X | X | X | X | X | X | | | E |
| 4. | TP-67 | S | | X | 6/27/25 | 0805 | 6 | X | X | X | X | X | X | X | | | E |
| 5. | TP-66 | S | | X | 6/27/25 | 0835 | 6 | X | X | X | X | X | X | X | | | E |
| 6. | TP-60 | S | | X | 6/27/25 | 0910 | 6 | X | X | X | X | X | X | X | | | E |
| 7. | TP-62 | S | | X | 6/27/25 | 1005 | 6 | X | X | X | X | X | X | X | | | E |
| 8. | TP-63 | S | | X | 6/27/25 | 1055 | 6 | X | X | X | X | X | X | X | | | E |
| 9. | TP-54 | S | | X | 6/27/25 | 1205 | 6 | X | X | X | X | X | X | X | | | E |
| 10. | FB-06272025 | SA2 | | X | 6/27/25 | 1300 | 9 | X | X | X | X | X | X | X | | | E, A, B |

PRESERVATIVES: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 6/27/25/1600 | 1. 1600 6-27-25 |
| 2. | | 2. |
| 3. | 6-27-25 1255 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO



WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

**From:** Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
**Sent:** Monday, June 30, 2025 12:44 PM
**Subject:** FW: sample id and sample not mentioned on COC



Thank you for reaching out - Please see below.

Would it be possible to also have excel results emailed with results compared to the current NJDEP SRS?

Marcie

---

**From:** Deepak Parmar <Deepak.Parmar@alliancetg.com>
**Sent:** Monday, June 30, 2025 10:24 AM
**To:** Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
**Cc:** Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
**Subject:** sample id and sample not mentioned on COC



Good morning,

Samples received with 6/27/2025 shipment has below discrepancies

issue 1# sample (2) TP-65 mentioned on COC, however sample received as TP-55 let us know which sample ID to use ? TP-55 is the correct label for the samples.

Issue2# Lab receives two TB water samples but not mentioned on COC. Lab would like to know how to proceed with analysis ? I believe those are temperature blanks, which do not require analysis. We are only analyzing trip blanks if the same also includes aqueous samples.

**Thanks & Regards,**

**Deepak Parmar**
**QA/QC**
**An Alliance Technical Group Company**
**Main:** 908-789-8900

**Address:** 284 Sheffield St, Ste 1,
Mountainside, NJ 07092

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

QA Control Code: A2070148

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2458 CAMP02
**Client Name :** CDM Smith
**Client Contact :** Marcie Ann Encinas
**Invoice Name :** CDM Smith
**Invoice Contact :** Marcie Ann Encinas

**Order Date :** 6/27/2025 4:22:00 PM
**Project Name :** South River WM Replacem
**Receive DateTime :** 6/27/2025 ~~12:00:00 AM~~ 16:55 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 2
**EDD Type :** EXCEL NOCLEANUP
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q2458-01 | TP-76 | Solid | 06/26/2025 | 11:15 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-02 | TP-~~65~~ 55 | Solid | 06/26/2025 | 12:00 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-03 | TP-68 | Solid | 06/27/2025 | 07:~~15~~ 25 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-04 | TP-67 | Solid | 06/27/2025 | 08:05 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-05 | TP-66 | Solid | 06/27/2025 | 08:35 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-06 | TP-60 | Solid | 06/27/2025 | 09:10 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-07 | TP-62 | Solid | 06/27/2025 | 10:05 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-08 | TP-63 | Solid | 06/27/2025 | 10:55 | | | | | |

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

# LOGIN REPORT/SAMPLE TRANSFER

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**Project Mgr :**
**Report Type :** Level 2
**EDD Type :** EXCEL NOCLEANUP
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-09 | TP-59 | Solid | 06/27/2025 | 12:05 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2458-10 | FB-06272025 | Water | 06/27/2025 | 13:00 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 10 Bus. Days |

**Relinquished By :**
**Date / Time :** 6/30/25 0900

**Received By :**
**Date / Time :** 06/30/25 9:00
**Storage Area :** VOA Refridgerator Room

SAMPLES RECEIVED ON 6/27/25 @ 1655
SAMPLES PLACED IN SM-REF-2

Ref #6
F2. 2
Ref #4