284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Cover Page

**Order ID :** Q2543

**Project ID :** South River WM Replacement

**Client :** CDM Smith

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2543-01 | TP-41 |
| Q2543-02 | TP-49 |
| Q2543-03 | TP-23 |
| Q2543-04 | TP-23-99 |

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: 7/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 #:** **Q2543**

| | 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:** **MAHESH PATEL** **Date:** **07/16/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2543 | **OrderDate:** | 7/9/2025 12:26:00 PM |
| **Client:** | CDM Smith | **Project:** | South River WM Replacement |
| **Contact:** | Marcie Ann Encinas | **Location:** | O42,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2543-01** | **TP-41** | **SOIL** | | | **07/08/25** | | | **07/09/25** |
| | | | Gasoline Range Organics | 8015D | | | 07/10/25 | |
| | | | PCB | 8082A | | 07/10/25 | 07/10/25 | |
| | | | Pesticide-TCL | 8081B | | 07/10/25 | 07/10/25 | |
| **Q2543-02** | **TP-49** | **SOIL** | | | **07/09/25** | | | **07/09/25** |
| | | | Gasoline Range Organics | 8015D | | | 07/10/25 | |
| | | | PCB | 8082A | | 07/10/25 | 07/10/25 | |
| | | | Pesticide-TCL | 8081B | | 07/10/25 | 07/10/25 | |
| **Q2543-03** | **TP-23** | **SOIL** | | | **07/09/25** | | | **07/09/25** |
| | | | Gasoline Range Organics | 8015D | | | 07/10/25 | |
| | | | PCB | 8082A | | 07/10/25 | 07/10/25 | |
| | | | Pesticide-TCL | 8081B | | 07/10/25 | 07/10/25 | |
| **Q2543-04** | **TP-23-99** | **SOIL** | | | **07/09/25** | | | **07/09/25** |
| | | | Gasoline Range Organics | 8015D | | | 07/10/25 | |
| | | | PCB | 8082A | | 07/10/25 | 07/10/25 | |
| | | | Pesticide-TCL | 8081B | | 07/10/25 | 07/10/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2543 **Order ID:** Q2543

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|

**Client ID :**

**Total Concentration:** **0.000**


# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q2543

**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-PD089431.D | PIBLK-PD089431.D | Decachlorobiphen | 1 | 20 | 20.9 | 104 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 1 | 20 | 19.2 | 96 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 23.9 | 119 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 22.0 | 110 | | 61 | 148 |
| PB168784BL | PB168784BL | Decachlorobiphen | 1 | 20 | 20.1 | 100 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 17.7 | 88 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 21.4 | 107 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 21.0 | 105 | | 19 | 148 |
| PB168784BS | PB168784BS | Decachlorobiphen | 1 | 20 | 17.6 | 88 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 14.8 | 74 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 19.1 | 96 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.9 | 89 | | 19 | 148 |
| Q2543-01 | TP-41 | Decachlorobiphen | 1 | 20 | 9.94 | 50 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 15.8 | 79 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 6.97 | 35 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 18.2 | 91 | | 19 | 148 |
| Q2543-02 | TP-49 | Decachlorobiphen | 1 | 20 | 13.5 | 68 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 16.7 | 83 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 10.1 | 51 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 18.4 | 92 | | 19 | 148 |
| Q2543-03 | TP-23 | Decachlorobiphen | 1 | 20 | 13.8 | 69 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 18.6 | 93 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 11.2 | 56 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.7 | 103 | | 19 | 148 |
| Q2543-03MS | TP-23MS | Decachlorobiphen | 1 | 20 | 13.4 | 67 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 16.8 | 84 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 12.3 | 61 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.6 | 98 | | 19 | 148 |
| Q2543-03MSD | TP-23MSD | Decachlorobiphen | 1 | 20 | 13.4 | 67 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 17.0 | 85 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 11.7 | 59 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.3 | 97 | | 19 | 148 |
| Q2543-04 | TP-23-99 | Decachlorobiphen | 1 | 20 | 12.9 | 65 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 1 | 20 | 18.1 | 91 | | 19 | 148 |
| | | Decachlorobiphen | 2 | 20 | 12.2 | 61 | | 20 | 144 |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.8 | 99 | | 19 | 148 |
| I.BLK-PD089447.D | PIBLK-PD089447.D | Decachlorobiphen | 1 | 20 | 16.3 | 81 | | 57 | 171 |

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## Surrogate Summary

**SDG No.:** Q2543

**Client:** CDM Smith

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PD089447.D | PIBLK-PD089447.D | Tetrachloro-m-xyl | 1 | 20 | 18.4 | 92 | | 61 | 148 |
| | | Decachlorobiphen | 2 | 20 | 13.4 | 67 | | 57 | 171 |
| | | Tetrachloro-m-xyl | 2 | 20 | 21.6 | 108 | | 61 | 148 |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2543 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089441.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q2543-03MS (Column 1)** | **Client Sample ID:** | | **TP-23MS** | | | | | | | | |
| | alpha-BHC | 19.57 | 0 | 17.2 | ug/kg | 88 | | | | 60 | 144 | |
| | beta-BHC | 19.57 | 0 | 16.0 | ug/kg | 82 | | | | 54 | 143 | |
| | delta-BHC | 19.57 | 0 | 16.9 | ug/kg | 86 | | | | 29 | 151 | |
| | gamma-BHC (Lindane) | 19.57 | 0 | 16.9 | ug/kg | 86 | | | | 61 | 140 | |
| | Heptachlor | 19.57 | 0 | 15.7 | ug/kg | 80 | | | | 63 | 135 | |
| | Aldrin | 19.57 | 0 | 16.3 | ug/kg | 83 | | | | 49 | 139 | |
| | Heptachlor epoxide | 19.57 | 0 | 15.1 | ug/kg | 77 | | | | 41 | 156 | |
| | Endosulfan I | 19.57 | 0 | 14.9 | ug/kg | 76 | | | | 56 | 142 | |
| | Dieldrin | 19.57 | 0 | 14.7 | ug/kg | 75 | | | | 47 | 161 | |
| | 4,4'-DDE | 19.57 | 0 | 14.7 | ug/kg | 75 | | | | 55 | 136 | |
| | Endrin | 19.57 | 0 | 13.5 | ug/kg | 69 | | | | 57 | 139 | |
| | Endosulfan II | 19.57 | 0 | 14.1 | ug/kg | 72 | | | | 40 | 163 | |
| | 4,4'-DDD | 19.57 | 0 | 14.3 | ug/kg | 73 | | | | 47 | 163 | |
| | Endosulfan sulfate | 19.57 | 0 | 13.6 | ug/kg | 69 | | | | 62 | 139 | |
| | 4,4'-DDT | 19.57 | 0 | 13.3 | ug/kg | 68 | | | | 51 | 146 | |
| | Methoxychlor | 19.57 | 0 | 12.5 | ug/kg | 64 | | | | 54 | 136 | |
| | Endrin ketone | 19.57 | 0 | 14.0 | ug/kg | 72 | | | | 60 | 129 | |
| | Endrin aldehyde | 19.57 | 0 | 14.4 | ug/kg | 74 | | | | 59 | 132 | |
| | alpha-Chlordane | 19.57 | 0 | 14.8 | ug/kg | 76 | | | | 39 | 166 | |
| | gamma-Chlordane | 19.57 | 0 | 14.8 | ug/kg | 76 | | | | 44 | 175 | |
| **Lab Sample ID:** | **Q2543-03MS (Column 2)** | **Client Sample ID:** | | **TP-23MS** | | | | | | | | |
| | alpha-BHC | 19.57 | 0 | 18.5 | ug/kg | 95 | | | | 60 | 144 | |
| | beta-BHC | 19.57 | 0 | 17.9 | ug/kg | 91 | | | | 54 | 143 | |
| | delta-BHC | 19.57 | 0 | 18.1 | ug/kg | 92 | | | | 29 | 151 | |
| | gamma-BHC (Lindane) | 19.57 | 0 | 18.4 | ug/kg | 94 | | | | 61 | 140 | |
| | Heptachlor | 19.57 | 0 | 17.6 | ug/kg | 90 | | | | 63 | 135 | |
| | Aldrin | 19.57 | 0 | 18.1 | ug/kg | 92 | | | | 49 | 139 | |
| | Heptachlor epoxide | 19.57 | 0 | 17.7 | ug/kg | 90 | | | | 41 | 156 | |
| | Endosulfan I | 19.57 | 0 | 17.1 | ug/kg | 87 | | | | 56 | 142 | |
| | Dieldrin | 19.57 | 0 | 16.7 | ug/kg | 85 | | | | 47 | 161 | |
| | 4,4'-DDE | 19.57 | 0 | 16.7 | ug/kg | 85 | | | | 55 | 136 | |
| | Endrin | 19.57 | 0 | 15.7 | ug/kg | 80 | | | | 57 | 139 | |
| | Endosulfan II | 19.57 | 0 | 15.1 | ug/kg | 77 | | | | 40 | 163 | |
| | 4,4'-DDD | 19.57 | 0 | 15.0 | ug/kg | 77 | | | | 47 | 163 | |
| | Endosulfan sulfate | 19.57 | 0 | 14.4 | ug/kg | 74 | | | | 62 | 139 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2543 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089441.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | 19.57 | 0 | 14.1 | ug/kg | 72 | | | | 51 | 146 | |
| Methoxychlor | 19.57 | 0 | 13.0 | ug/kg | 66 | | | | 54 | 136 | |
| Endrin ketone | 19.57 | 0 | 13.0 | ug/kg | 66 | | | | 60 | 129 | |
| Endrin aldehyde | 19.57 | 0 | 14.6 | ug/kg | 75 | | | | 59 | 132 | |
| alpha-Chlordane | 19.57 | 0 | 16.9 | ug/kg | 86 | | | | 39 | 166 | |
| gamma-Chlordane | 19.57 | 0 | 17.0 | ug/kg | 87 | | | | 44 | 175 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2543 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089442.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q2543-03MSD (Column 1)** | **Client Sample ID:** | | **TP-23MSD** | | | | | | | | |
| | alpha-BHC | 19.56 | 0 | 17.4 | ug/kg | 89 | | 1 | | 60 | 144 | 20 |
| | beta-BHC | 19.56 | 0 | 16.7 | ug/kg | 85 | | 4 | | 54 | 143 | 20 |
| | delta-BHC | 19.56 | 0 | 17.8 | ug/kg | 91 | | 6 | | 29 | 151 | 20 |
| | gamma-BHC (Lindane) | 19.56 | 0 | 17.4 | ug/kg | 89 | | 3 | | 61 | 140 | 20 |
| | Heptachlor | 19.56 | 0 | 16.0 | ug/kg | 82 | | 2 | | 63 | 135 | 20 |
| | Aldrin | 19.56 | 0 | 16.4 | ug/kg | 84 | | 1 | | 49 | 139 | 20 |
| | Heptachlor epoxide | 19.56 | 0 | 16.2 | ug/kg | 83 | | 8 | | 41 | 156 | 20 |
| | Endosulfan I | 19.56 | 0 | 15.4 | ug/kg | 79 | | 4 | | 56 | 142 | 20 |
| | Dieldrin | 19.56 | 0 | 15.2 | ug/kg | 78 | | 4 | | 47 | 161 | 20 |
| | 4,4'-DDE | 19.56 | 0 | 15.1 | ug/kg | 77 | | 3 | | 55 | 136 | 20 |
| | Endrin | 19.56 | 0 | 14.7 | ug/kg | 75 | | 8 | | 57 | 139 | 20 |
| | Endosulfan II | 19.56 | 0 | 13.8 | ug/kg | 71 | | 1 | | 40 | 163 | 20 |
| | 4,4'-DDD | 19.56 | 0 | 15.0 | ug/kg | 77 | | 5 | | 47 | 163 | 20 |
| | Endosulfan sulfate | 19.56 | 0 | 14.2 | ug/kg | 73 | | 6 | | 62 | 139 | 20 |
| | 4,4'-DDT | 19.56 | 0 | 13.5 | ug/kg | 69 | | 1 | | 51 | 146 | 20 |
| | Methoxychlor | 19.56 | 0 | 12.8 | ug/kg | 65 | | 2 | | 54 | 136 | 20 |
| | Endrin ketone | 19.56 | 0 | 13.8 | ug/kg | 71 | | 1 | | 60 | 129 | 20 |
| | Endrin aldehyde | 19.56 | 0 | 14.2 | ug/kg | 73 | | 1 | | 59 | 132 | 20 |
| | alpha-Chlordane | 19.56 | 0 | 15.5 | ug/kg | 79 | | 4 | | 39 | 166 | 20 |
| | gamma-Chlordane | 19.56 | 0 | 15.6 | ug/kg | 80 | | 5 | | 44 | 175 | 20 |
| **Lab Sample ID:** | **Q2543-03MSD (Column 2)** | **Client Sample ID:** | | **TP-23MSD** | | | | | | | | |
| | alpha-BHC | 19.56 | 0 | 18.5 | ug/kg | 95 | | 0 | | 60 | 144 | 20 |
| | beta-BHC | 19.56 | 0 | 17.9 | ug/kg | 92 | | 1 | | 54 | 143 | 20 |
| | delta-BHC | 19.56 | 0 | 18.4 | ug/kg | 94 | | 2 | | 29 | 151 | 20 |
| | gamma-BHC (Lindane) | 19.56 | 0 | 18.4 | ug/kg | 94 | | 0 | | 61 | 140 | 20 |
| | Heptachlor | 19.56 | 0 | 17.6 | ug/kg | 90 | | 0 | | 63 | 135 | 20 |
| | Aldrin | 19.56 | 0 | 18.4 | ug/kg | 94 | | 2 | | 49 | 139 | 20 |
| | Heptachlor epoxide | 19.56 | 0 | 18.4 | ug/kg | 94 | | 4 | | 41 | 156 | 20 |
| | Endosulfan I | 19.56 | 0 | 17.6 | ug/kg | 90 | | 3 | | 56 | 142 | 20 |
| | Dieldrin | 19.56 | 0 | 16.9 | ug/kg | 86 | | 1 | | 47 | 161 | 20 |
| | 4,4'-DDE | 19.56 | 0 | 17.0 | ug/kg | 87 | | 2 | | 55 | 136 | 20 |
| | Endrin | 19.56 | 0 | 16.3 | ug/kg | 83 | | 4 | | 57 | 139 | 20 |
| | Endosulfan II | 19.56 | 0 | 15.6 | ug/kg | 80 | | 4 | | 40 | 163 | 20 |
| | 4,4'-DDD | 19.56 | 0 | 15.7 | ug/kg | 80 | | 4 | | 47 | 163 | 20 |
| | Endosulfan sulfate | 19.56 | 0 | 15.1 | ug/kg | 77 | | 4 | | 62 | 139 | 20 |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2543 **Analytical Method:** 8081B

**Client:** CDM Smith **DataFile :** PD089442.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | 19.56 | 0 | 14.5 | ug/kg | 74 | | 3 | | 51 | 146 | 20 |
| Methoxychlor | 19.56 | 0 | 13.2 | ug/kg | 67 | | 2 | | 54 | 136 | 20 |
| Endrin ketone | 19.56 | 0 | 14.1 | ug/kg | 72 | | 9 | | 60 | 129 | 20 |
| Endrin aldehyde | 19.56 | 0 | 15.1 | ug/kg | 77 | | 3 | | 59 | 132 | 20 |
| alpha-Chlordane | 19.56 | 0 | 17.5 | ug/kg | 89 | | 3 | | 39 | 166 | 20 |
| gamma-Chlordane | 19.56 | 0 | 17.7 | ug/kg | 90 | | 3 | | 44 | 175 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2543 **Analytical Method:** 8081B

**Client:** CDM Smith **Datafile :** PD089434.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168784BS (Column 1) | alpha-BHC | 16.66 | 15.5 | ug/kg | 93 | | | | 84 | 123 | |
| | beta-BHC | 16.66 | 15.0 | ug/kg | 90 | | | | 82 | 123 | |
| | delta-BHC | 16.66 | 16.7 | ug/kg | 100 | | | | 83 | 126 | |
| | gamma-BHC (Lindane) | 16.66 | 15.5 | ug/kg | 93 | | | | 83 | 125 | |
| | Heptachlor | 16.66 | 15.7 | ug/kg | 94 | | | | 83 | 122 | |
| | Aldrin | 16.66 | 15.7 | ug/kg | 94 | | | | 82 | 124 | |
| | Heptachlor epoxide | 16.66 | 15.5 | ug/kg | 93 | | | | 83 | 120 | |
| | Endosulfan I | 16.66 | 15.7 | ug/kg | 94 | | | | 81 | 124 | |
| | Dieldrin | 16.66 | 15.9 | ug/kg | 95 | | | | 85 | 121 | |
| | 4,4'-DDE | 16.66 | 15.6 | ug/kg | 94 | | | | 81 | 123 | |
| | Endrin | 16.66 | 14.9 | ug/kg | 89 | | | | 76 | 130 | |
| | Endosulfan II | 16.66 | 16.0 | ug/kg | 96 | | | | 80 | 125 | |
| | 4,4'-DDD | 16.66 | 16.1 | ug/kg | 97 | | | | 80 | 131 | |
| | Endosulfan sulfate | 16.66 | 15.7 | ug/kg | 94 | | | | 81 | 122 | |
| | 4,4'-DDT | 16.66 | 15.4 | ug/kg | 92 | | | | 70 | 129 | |
| | Methoxychlor | 16.66 | 14.8 | ug/kg | 89 | | | | 60 | 119 | |
| | Endrin ketone | 16.66 | 16.1 | ug/kg | 97 | | | | 77 | 132 | |
| | Endrin aldehyde | 16.66 | 15.7 | ug/kg | 94 | | | | 79 | 124 | |
| | alpha-Chlordane | 16.66 | 15.7 | ug/kg | 94 | | | | 84 | 120 | |
| | gamma-Chlordane | 16.66 | 15.8 | ug/kg | 95 | | | | 83 | 122 | |
| PB168784BS (Column 2) | alpha-BHC | 16.66 | 16.7 | ug/kg | 100 | | | | 84 | 123 | |
| | beta-BHC | 16.66 | 16.5 | ug/kg | 99 | | | | 82 | 123 | |
| | delta-BHC | 16.66 | 16.8 | ug/kg | 101 | | | | 83 | 126 | |
| | gamma-BHC (Lindane) | 16.66 | 16.8 | ug/kg | 101 | | | | 83 | 125 | |
| | Heptachlor | 16.66 | 16.4 | ug/kg | 98 | | | | 83 | 122 | |
| | Aldrin | 16.66 | 16.8 | ug/kg | 101 | | | | 82 | 124 | |
| | Heptachlor epoxide | 16.66 | 17.0 | ug/kg | 102 | | | | 83 | 120 | |
| | Endosulfan I | 16.66 | 17.0 | ug/kg | 102 | | | | 81 | 124 | |
| | Dieldrin | 16.66 | 16.8 | ug/kg | 101 | | | | 85 | 121 | |
| | 4,4'-DDE | 16.66 | 16.8 | ug/kg | 101 | | | | 81 | 123 | |
| | Endrin | 16.66 | 15.8 | ug/kg | 95 | | | | 76 | 130 | |
| | Endosulfan II | 16.66 | 16.7 | ug/kg | 100 | | | | 80 | 125 | |
| | 4,4'-DDD | 16.66 | 17.0 | ug/kg | 102 | | | | 80 | 131 | |
| | Endosulfan sulfate | 16.66 | 16.7 | ug/kg | 100 | | | | 81 | 122 | |
| | 4,4'-DDT | 16.66 | 16.2 | ug/kg | 97 | | | | 70 | 129 | |
| | Methoxychlor | 16.66 | 15.6 | ug/kg | 94 | | | | 60 | 119 | |
| | Endrin ketone | 16.66 | 17.2 | ug/kg | 103 | | | | 77 | 132 | |
| | Endrin aldehyde | 16.66 | 16.5 | ug/kg | 99 | | | | 79 | 124 | |
| | alpha-Chlordane | 16.66 | 16.7 | ug/kg | 100 | | | | 84 | 120 | |
| | gamma-Chlordane | 16.66 | 16.7 | ug/kg | 100 | | | | 83 | 122 | |

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168784BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2543

Lab Sample ID: PB168784BL | Lab File ID: PD089433.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/10/2025

Date Analyzed (1): 07/10/2025 | Date Analyzed (2): 07/10/2025

Time Analyzed (1): 13:31 | Time Analyzed (2): 13:31

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 |
|---|---|---|---|---|
| PB168784BS | PB168784BS | PD089434.D | 07/10/2025 | 07/10/2025 |
| TP-41 | Q2543-01 | PD089438.D | 07/10/2025 | 07/10/2025 |
| TP-49 | Q2543-02 | PD089439.D | 07/10/2025 | 07/10/2025 |
| TP-23 | Q2543-03 | PD089440.D | 07/10/2025 | 07/10/2025 |
| TP-23MS | Q2543-03MS | PD089441.D | 07/10/2025 | 07/10/2025 |
| TP-23MSD | Q2543-03MSD | PD089442.D | 07/10/2025 | 07/10/2025 |
| TP-23-99 | Q2543-04 | PD089443.D | 07/10/2025 | 07/10/2025 |

COMMENTS:


# SAMPLE DATA

Raw Data: **PD089438.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: | 07/08/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-41 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-01 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 82 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 |
|---|---|---|---|---|
| PD089438.D | 1 | 07/10/25 08:35 | 07/10/25 15:09 | PB168784 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.16 | U | 0.16 | 2.10 | ug/kg |
| 319-85-7 | beta-BHC | 0.22 | U | 0.22 | 2.10 | ug/kg |
| 319-86-8 | delta-BHC | 0.48 | U | 0.48 | 2.10 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 76-44-8 | Heptachlor | 0.15 | U | 0.15 | 2.10 | ug/kg |
| 309-00-2 | Aldrin | 0.15 | U | 0.15 | 2.10 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.23 | U | 0.23 | 2.10 | ug/kg |
| 959-98-8 | Endosulfan I | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 60-57-1 | Dieldrin | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-20-8 | Endrin | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.35 | U | 0.35 | 2.10 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.18 | U | 0.18 | 2.10 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.16 | U | 0.16 | 2.10 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-43-5 | Methoxychlor | 0.45 | U | 0.45 | 2.10 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.23 | U | 0.23 | 2.10 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.45 | U | 0.45 | 2.10 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.15 | U | 0.15 | 2.10 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.18 | U | 0.18 | 2.10 | ug/kg |
| 8001-35-2 | Toxaphene | 6.60 | U | 6.60 | 40.2 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 9.94 | | 20 - 144 | 50% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.2 | | 19 - 148 | 91% | SPK: 20 |

Raw Data: **PD089438.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: | 07/08/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-41 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-01 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 82 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 |
|---|---|---|---|---|
| PD089438.D | 1 | 07/10/25 08:35 | 07/10/25 15:09 | PB168784 |

| 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: **PD089438.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:09
Operator : AR\AJ
Sample : Q2543-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-41

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:00:30 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 | 44972157 | 308.7E6 | 15.762 | 18.212m |
| 28) | SA Decachlor... | 9.072 | 8.068 | 39030460 | 137.7E6 | 9.937 | 6.967m# |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:09
Operator : AR\AJ
Sample : Q2543-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

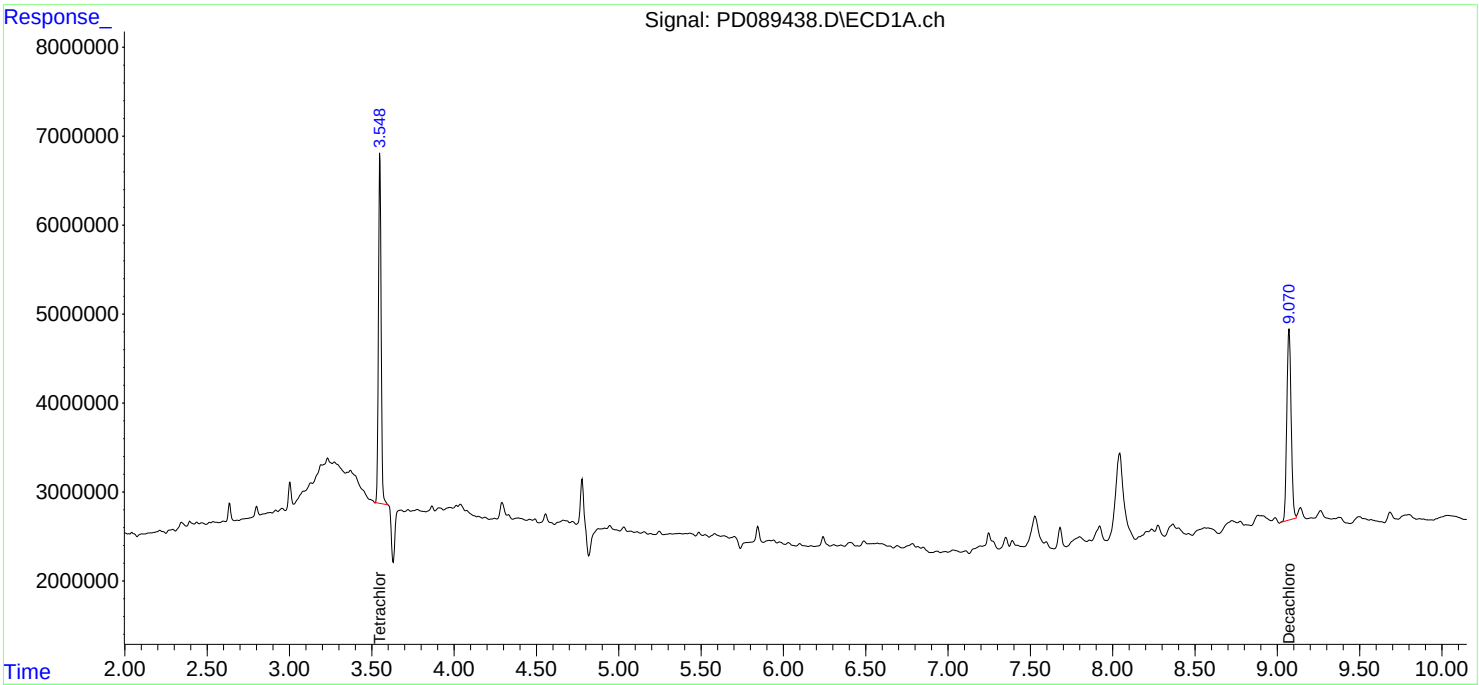
**Instrument :**
ECD_D
**ClientSampleId :**
TP-41

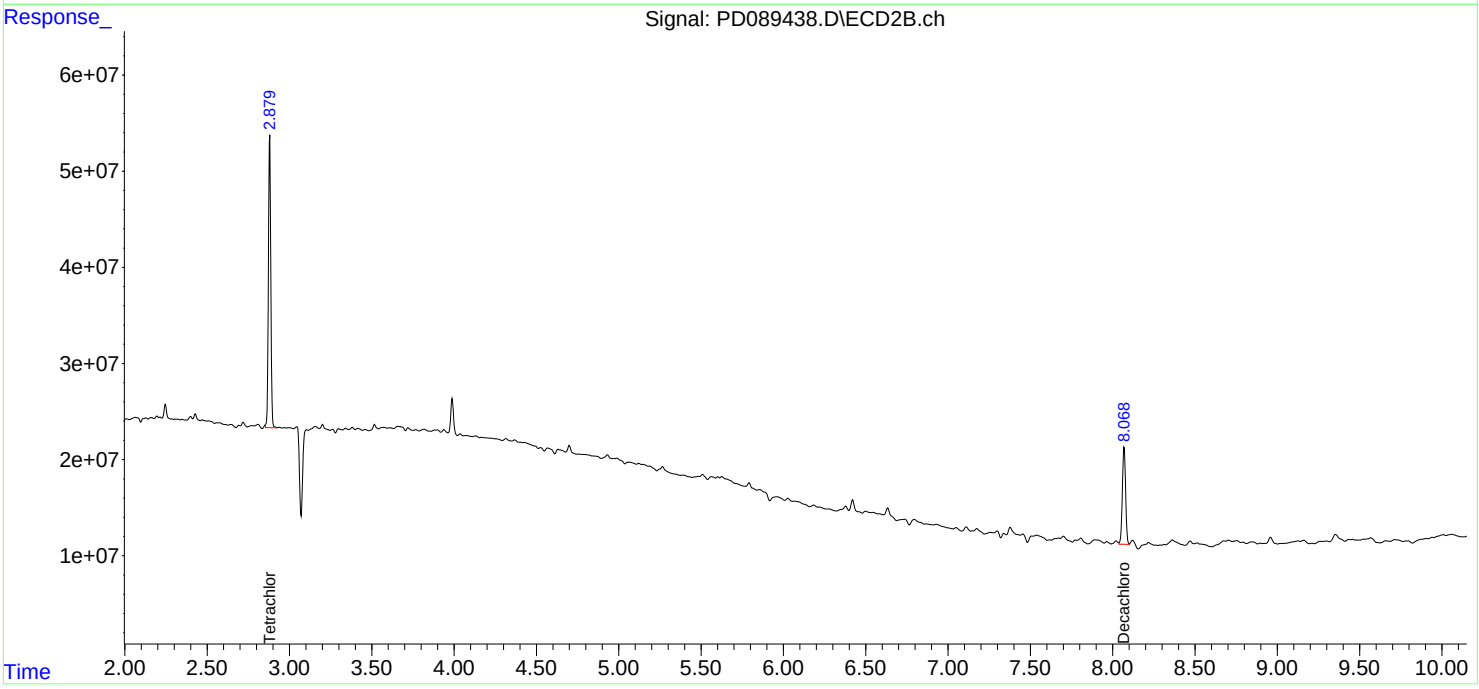
**Manual Integrations APPROVED**

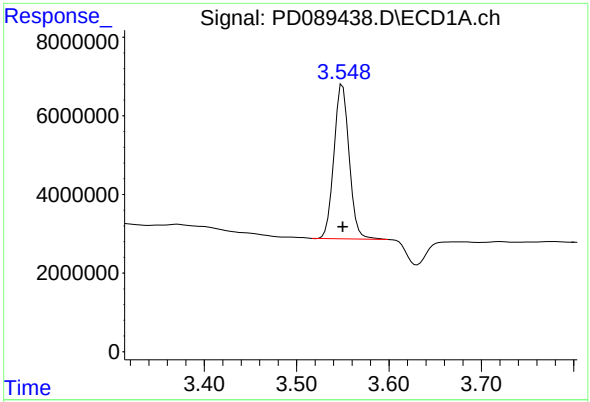
Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:00:30 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





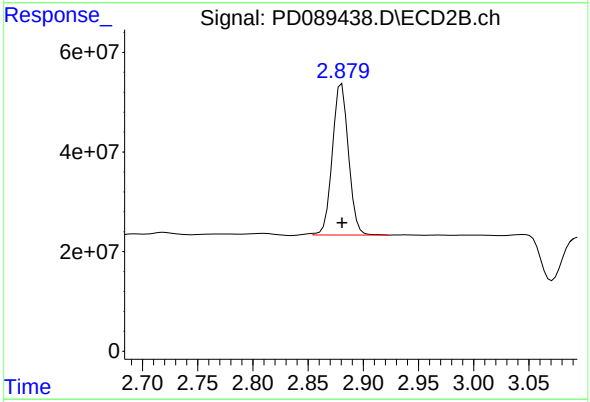

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 44972157
Conc: 15.76 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-41

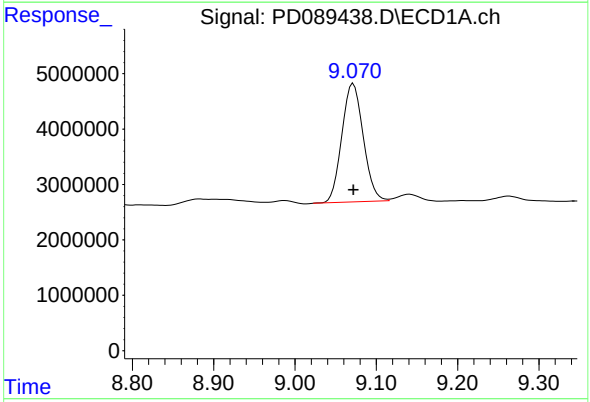
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



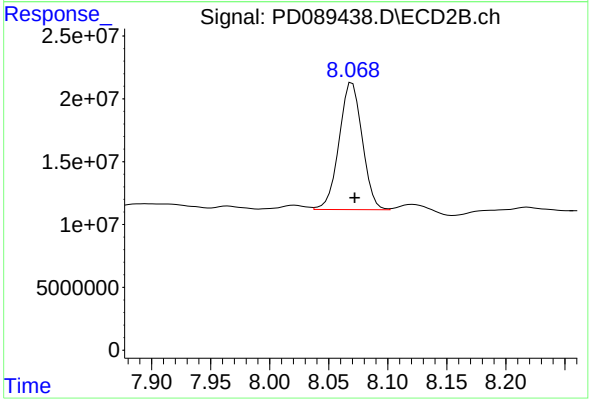

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 308743883
Conc: 18.21 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 39030460
Conc: 9.94 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.004 min
Response: 137732713
Conc: 6.97 ng/ml m

Raw Data: **PD089439.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-49 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-02 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 73.9 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 |
|---|---|---|---|---|
| PD089439.D | 1 | 07/10/25 08:35 | 07/10/25 15:23 | PB168784 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 0.18 | U | 0.18 | 2.30 | ug/kg |
| 319-85-7 | beta-BHC | 0.24 | U | 0.24 | 2.30 | ug/kg |
| 319-86-8 | delta-BHC | 0.53 | U | 0.53 | 2.30 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 0.19 | U | 0.19 | 2.30 | ug/kg |
| 76-44-8 | Heptachlor | 0.16 | U | 0.16 | 2.30 | ug/kg |
| 309-00-2 | Aldrin | 0.16 | U | 0.16 | 2.30 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 0.26 | U | 0.26 | 2.30 | ug/kg |
| 959-98-8 | Endosulfan I | 0.19 | U | 0.19 | 2.30 | ug/kg |
| 60-57-1 | Dieldrin | 0.19 | U | 0.19 | 2.30 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.19 | U | 0.19 | 2.30 | ug/kg |
| 72-20-8 | Endrin | 0.19 | U | 0.19 | 2.30 | ug/kg |
| 33213-65-9 | Endosulfan II | 0.39 | U | 0.39 | 2.30 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.20 | U | 0.20 | 2.30 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.18 | U | 0.18 | 2.30 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.19 | U | 0.19 | 2.30 | ug/kg |
| 72-43-5 | Methoxychlor | 0.50 | U | 0.50 | 2.30 | ug/kg |
| 53494-70-5 | Endrin ketone | 0.26 | U | 0.26 | 2.30 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 0.50 | U | 0.50 | 2.30 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 0.16 | U | 0.16 | 2.30 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.20 | U | 0.20 | 2.30 | ug/kg |
| 8001-35-2 | Toxaphene | 7.30 | U | 7.30 | 44.6 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.5 | | 20 - 144 | 68% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.4 | | 19 - 148 | 92% | SPK: 20 |

Raw Data: **PD089439.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-49 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-02 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 73.9 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 |
|---|---|---|---|---|
| PD089439.D | 1 | 07/10/25 08:35 | 07/10/25 15:23 | PB168784 |

| 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: **PD089439.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:23
Operator : AR\AJ
Sample : Q2543-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-49

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:00:52 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... | 3.550 | 2.879 | 47580601 | 311.6E6 | 16.677 | 18.379m |
| 28) | SA Decachlor... | 9.072 | 8.070 | 53086067 | 200.2E6 | 13.516m | 10.124 # |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:23
Operator : AR\AJ
Sample : Q2543-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

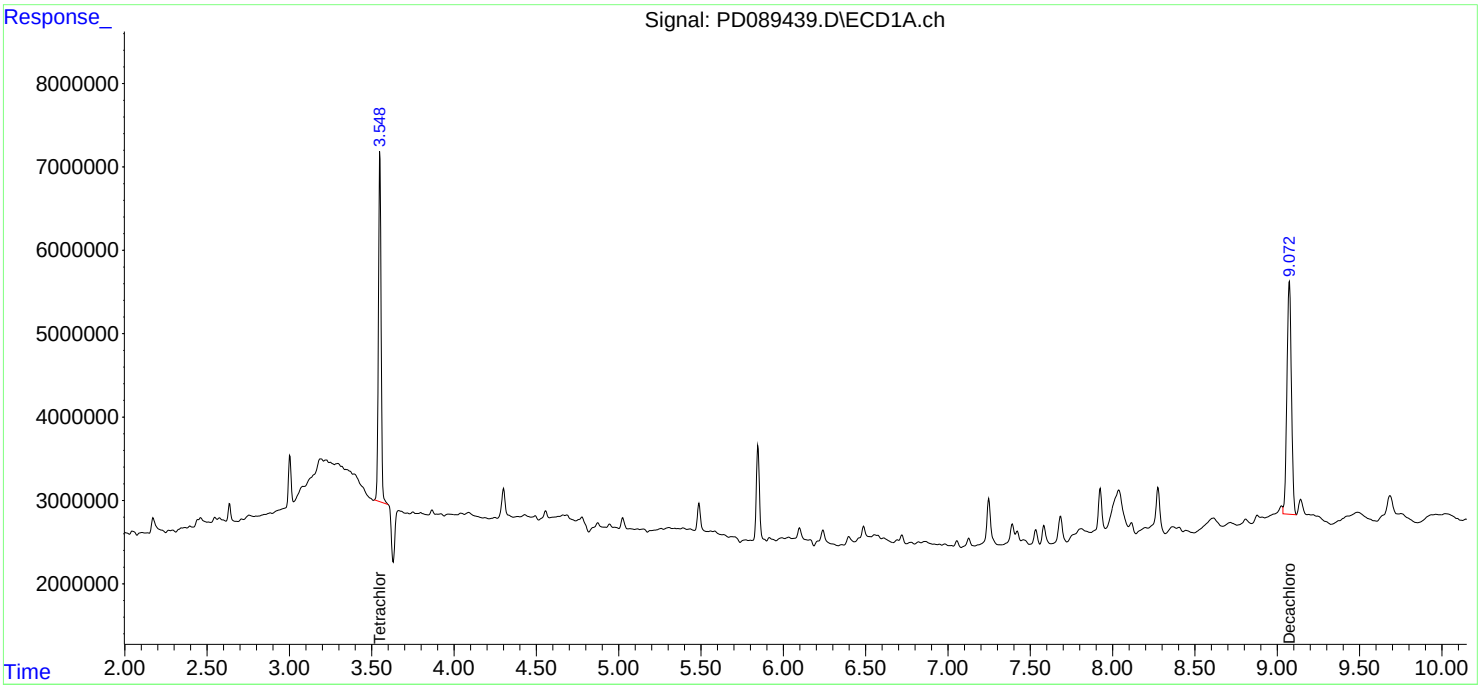
**Instrument :**
ECD_D
**ClientSampleId :**
TP-49

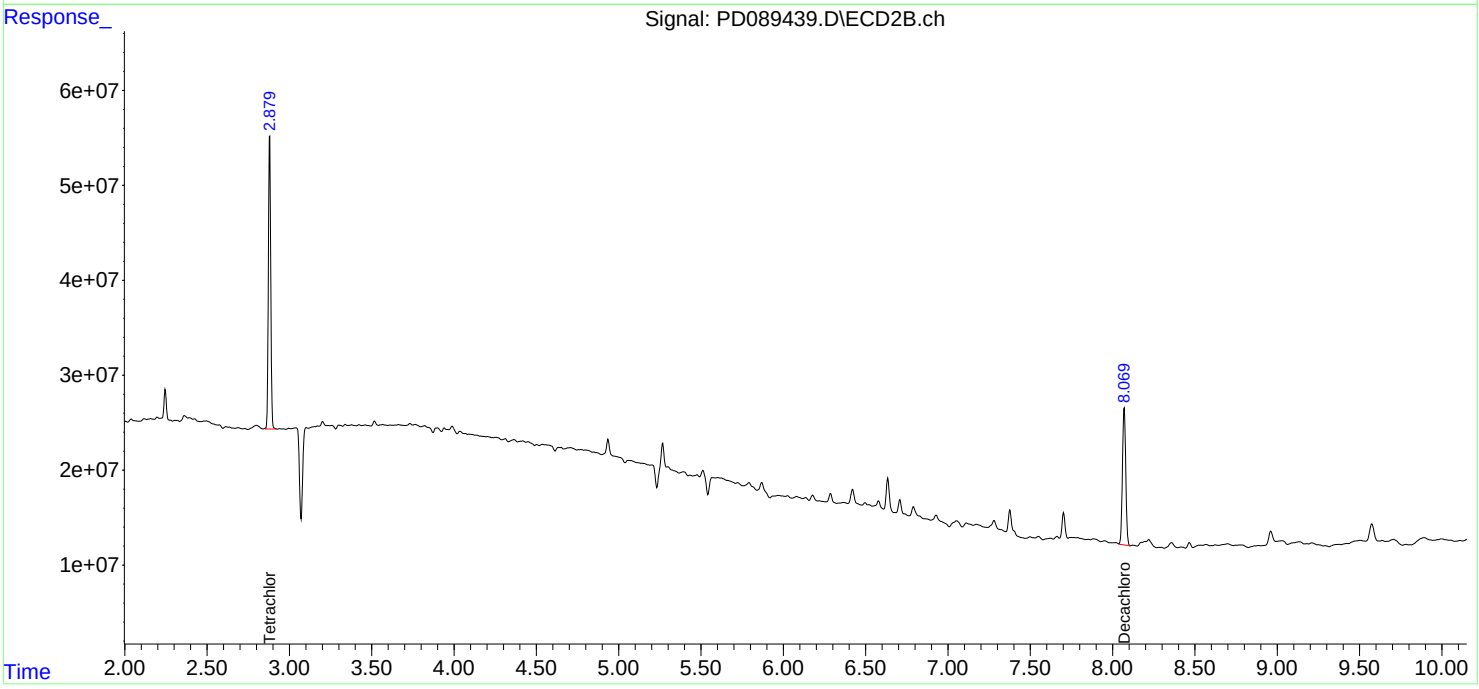
**Manual Integrations APPROVED**

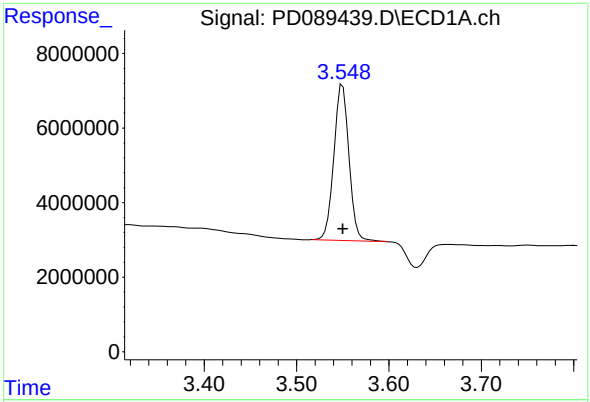
Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:00:52 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





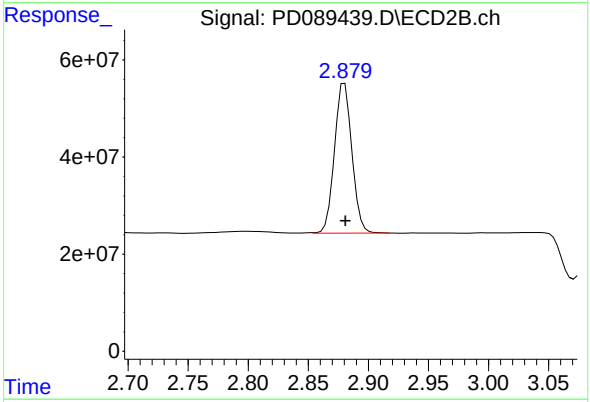

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 47580601
Conc: 16.68 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-49

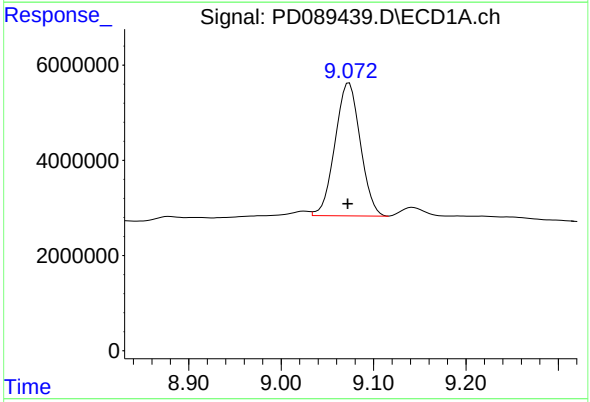
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



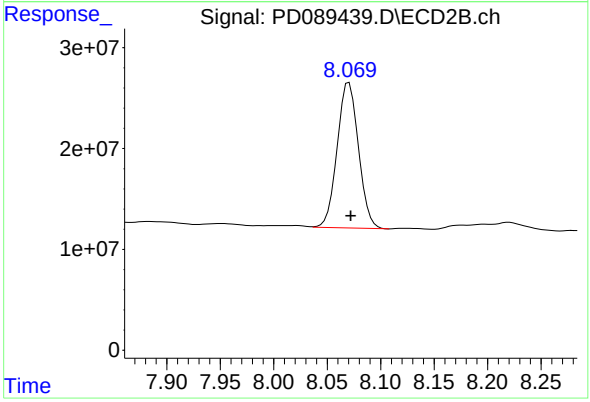

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 311584875
Conc: 18.38 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 53086067
Conc: 13.52 ng/ml m




#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 200156554
Conc: 10.12 ng/ml

Raw Data: **PD089440.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-03 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85 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 |
|---|---|---|---|---|
| PD089440.D | 1 | 07/10/25 08:35 | 07/10/25 15:37 | PB168784 |

| 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 | 0.46 | U | 0.46 | 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 | 0.34 | U | 0.34 | 2.00 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.18 | U | 0.18 | 2.00 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.15 | U | 0.15 | 2.00 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.16 | U | 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 | 0.14 | U | 0.14 | 2.00 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.18 | U | 0.18 | 2.00 | ug/kg |
| 8001-35-2 | Toxaphene | 6.40 | U | 6.40 | 38.8 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.8 | | 20 - 144 | 69% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 19 - 148 | 103% | SPK: 20 |

Raw Data: **PD089440.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-03 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85 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 |
|---|---|---|---|---|
| PD089440.D | 1 | 07/10/25 08:35 | 07/10/25 15:37 | PB168784 |

| 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: **PD089440.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:37
Operator : AR\AJ
Sample : Q2543-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-23

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:01:16 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 | 2.879 | 53095385 | 350.8E6 | 18.610 | 20.690m |
| 28) | SA Decachlor... | 9.072 | 8.071 | 54271591 | 222.0E6 | 13.818 | 11.230 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:37
Operator : AR\AJ
Sample : Q2543-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

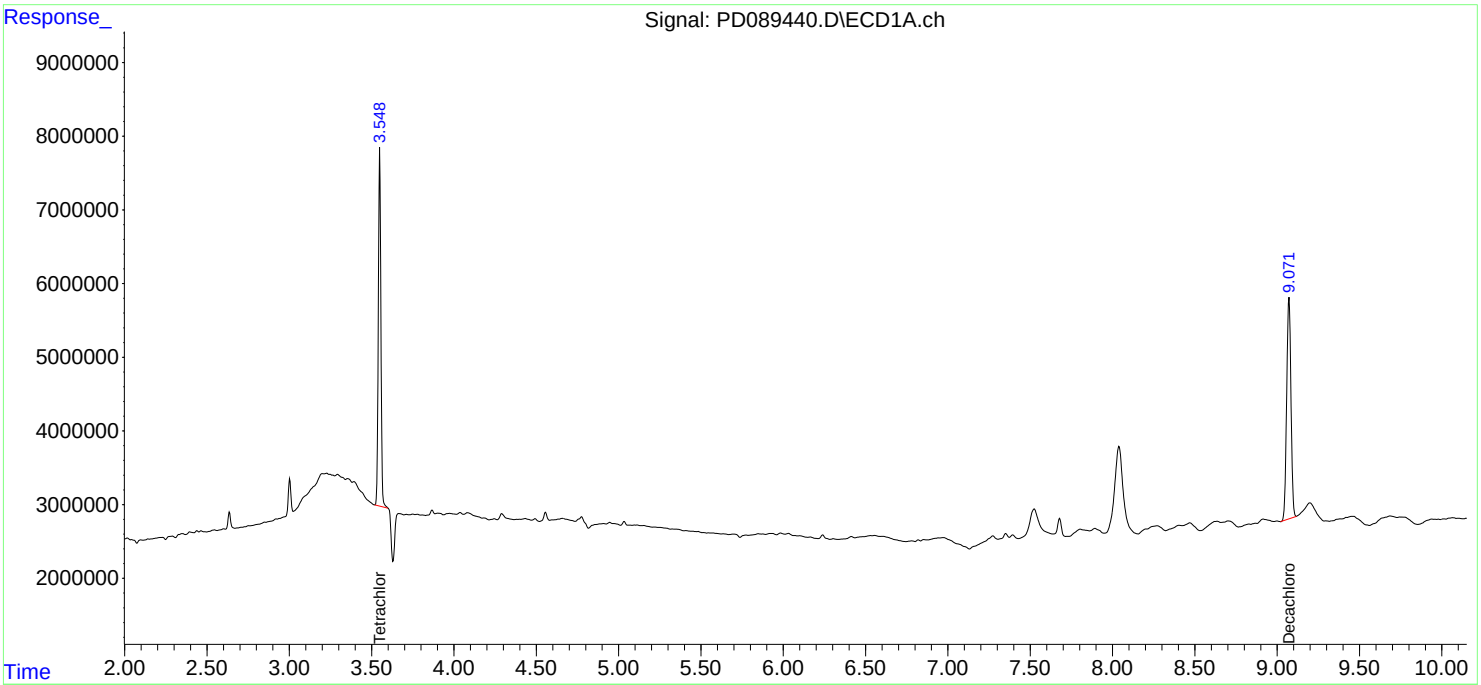
**Instrument :**
ECD_D
**ClientSampleId :**
TP-23

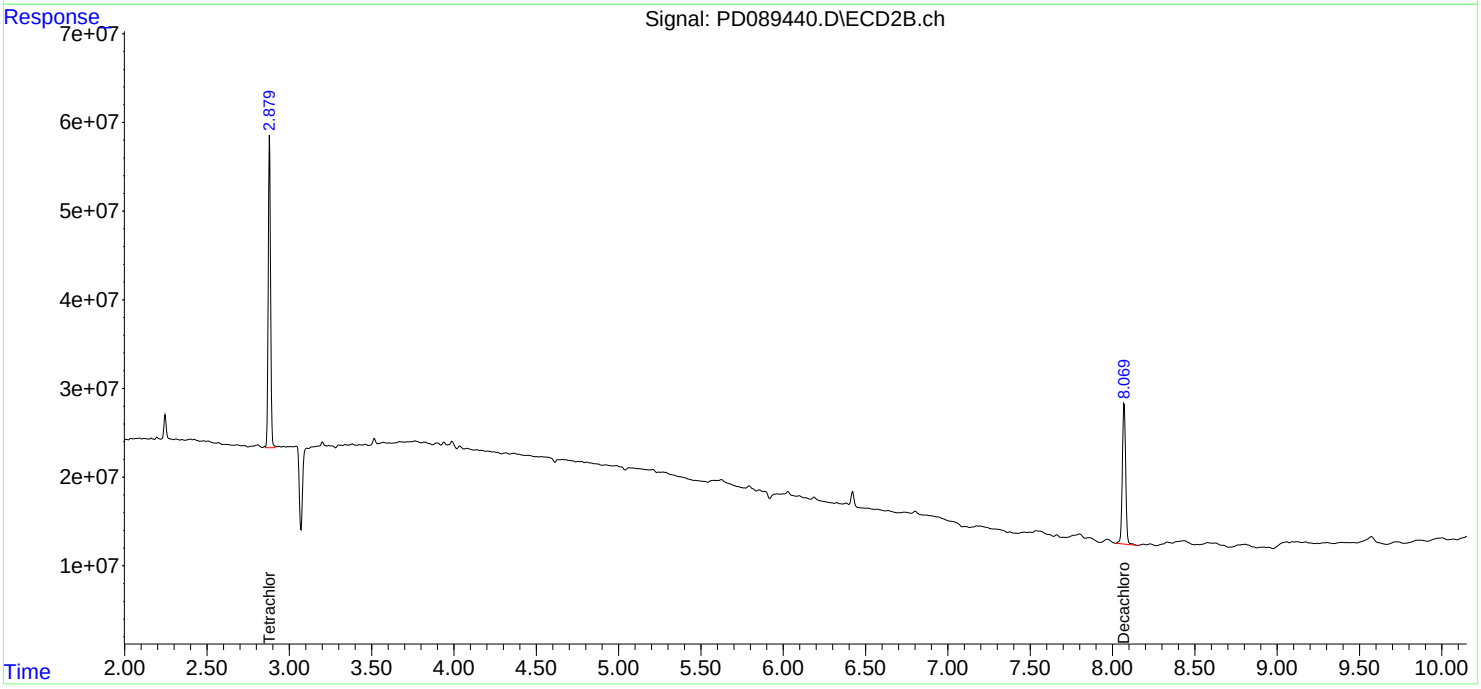
**Manual Integrations APPROVED**

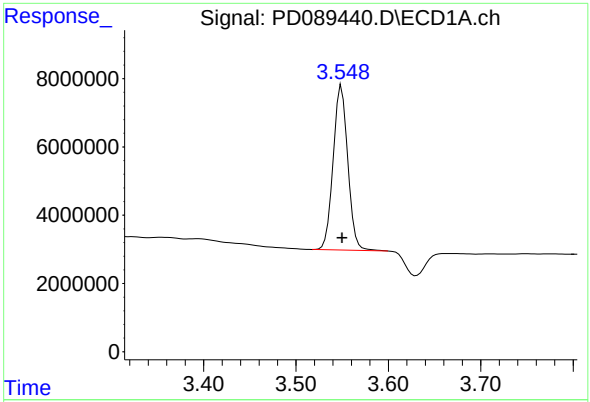
Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:01:16 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





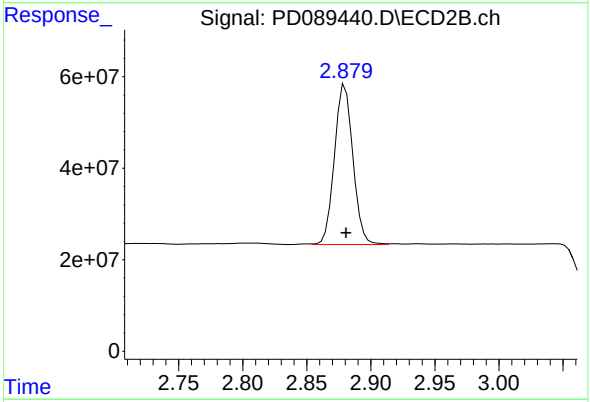

#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 53095385
Conc: 18.61 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-23

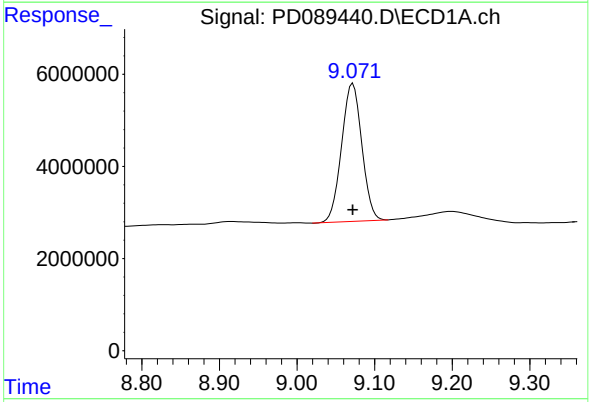
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



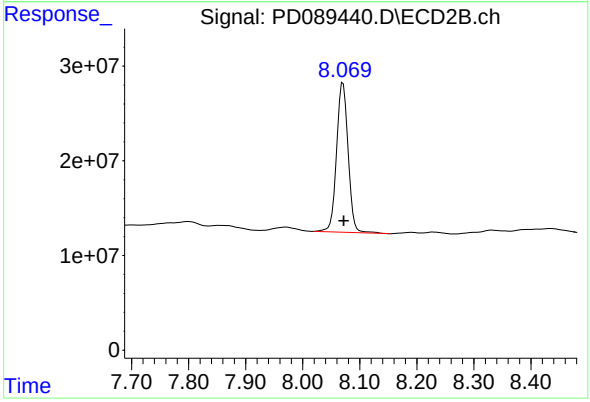

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 350752877
Conc: 20.69 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 54271591
Conc: 13.82 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 222011467
Conc: 11.23 ng/ml

Raw Data: **PD089443.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23-99 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-04 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85.4 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 |
|---|---|---|---|---|
| PD089443.D | 1 | 07/10/25 08:35 | 07/10/25 16:17 | PB168784 |

| 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 | 0.46 | U | 0.46 | 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 | 0.34 | U | 0.34 | 2.00 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.18 | U | 0.18 | 2.00 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 0.15 | U | 0.15 | 2.00 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.16 | U | 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 | 0.14 | U | 0.14 | 2.00 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 0.18 | U | 0.18 | 2.00 | ug/kg |
| 8001-35-2 | Toxaphene | 6.30 | U | 6.30 | 38.6 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 12.9 | | 20 - 144 | 65% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 19.8 | | 19 - 148 | 99% | SPK: 20 |

Raw Data: **PD089443.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23-99 | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-04 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85.4 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 |
|---|---|---|---|---|
| PD089443.D | 1 | 07/10/25 08:35 | 07/10/25 16:17 | PB168784 |

| 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: **PD089443.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 16:17
Operator : AR\AJ
Sample : Q2543-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-23-99

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:02:20 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 | 51709940 | 335.0E6 | 18.124 | 19.762m |
| 28) | SA Decachlor... | 9.070 | 8.070 | 50839162 | 241.0E6 | 12.944 | 12.192 |
| | Target Compounds | | | | | | |

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

Sample Results: **PD089443.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 16:17
Operator : AR\AJ
Sample : Q2543-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

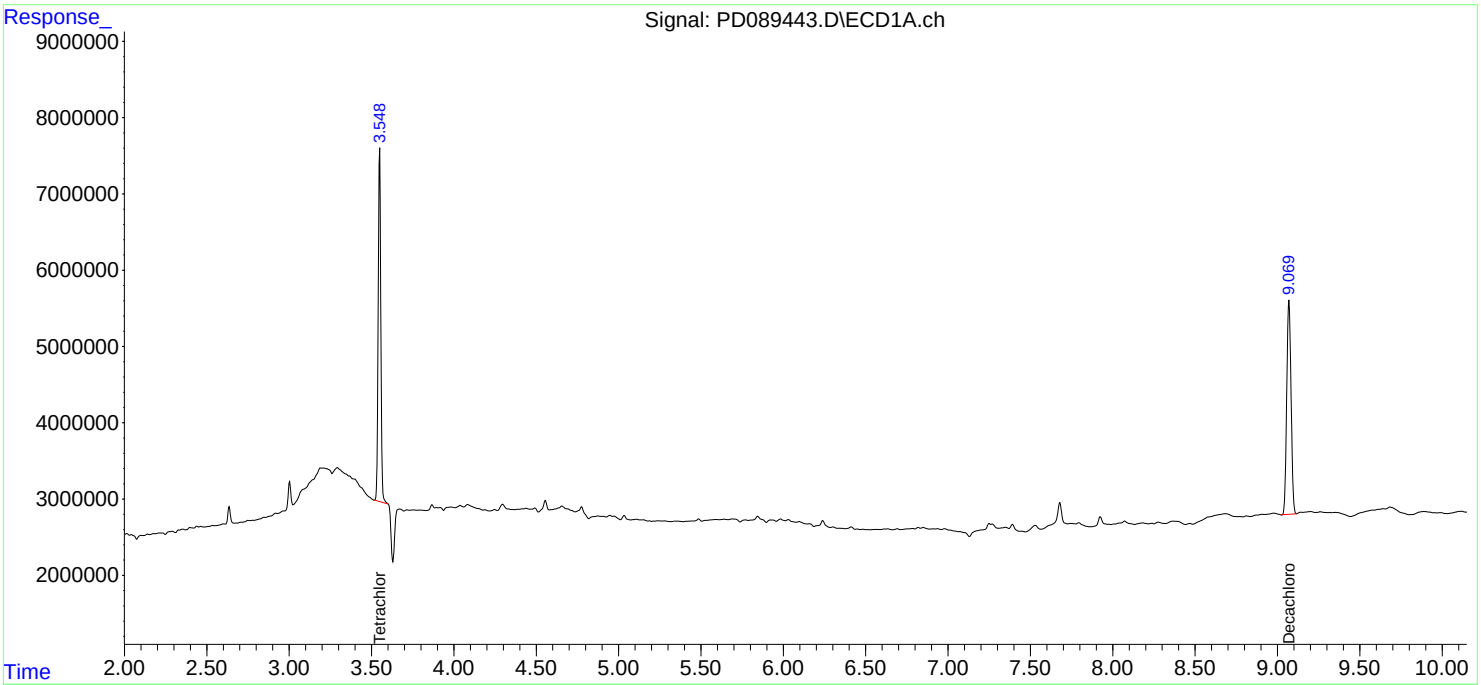
**Instrument :**
ECD_D
**ClientSampleId :**
TP-23-99

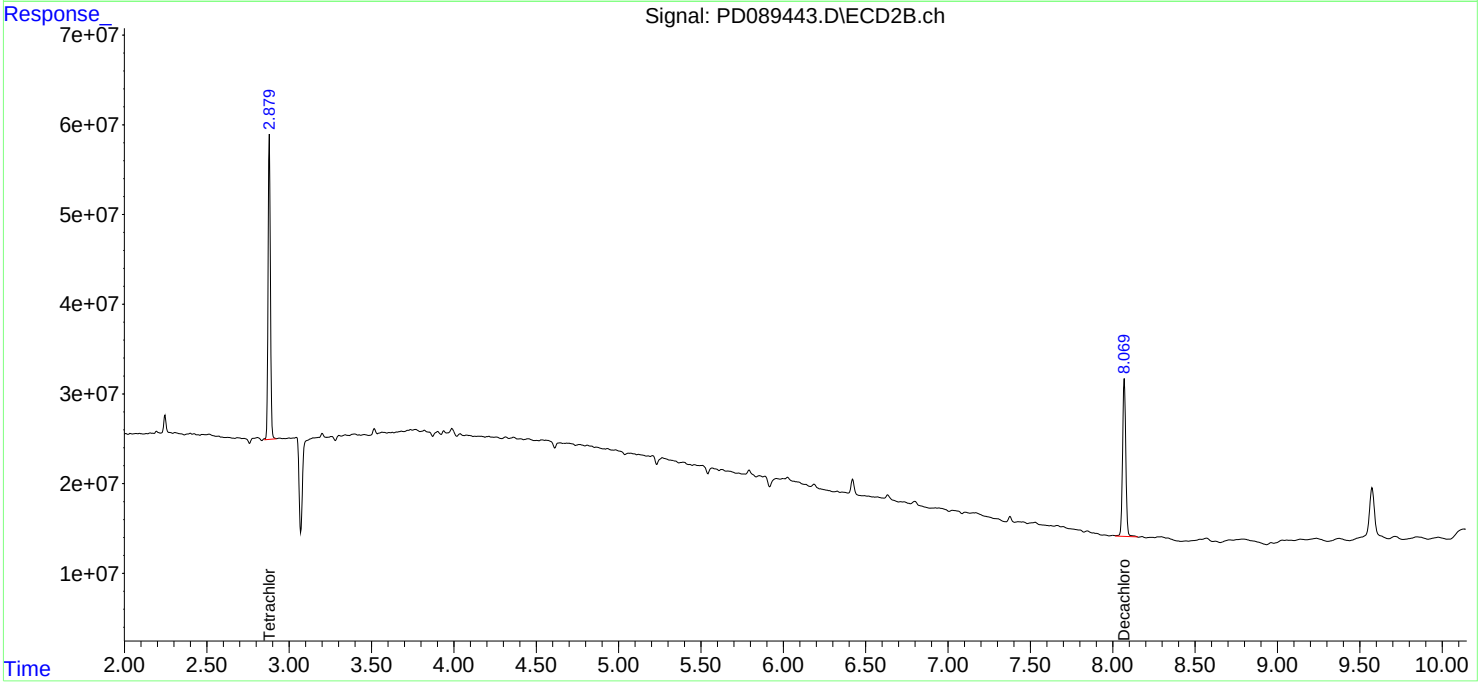
**Manual Integrations APPROVED**

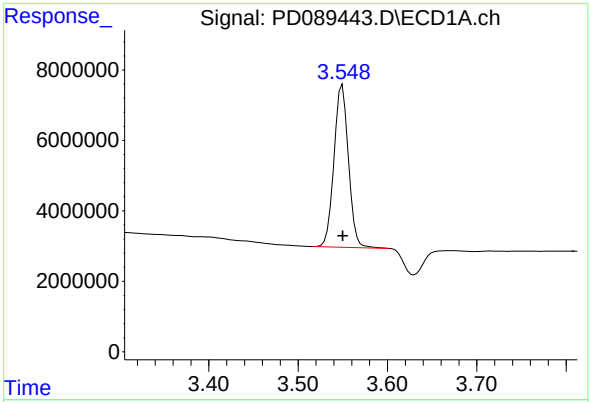
Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:02:20 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





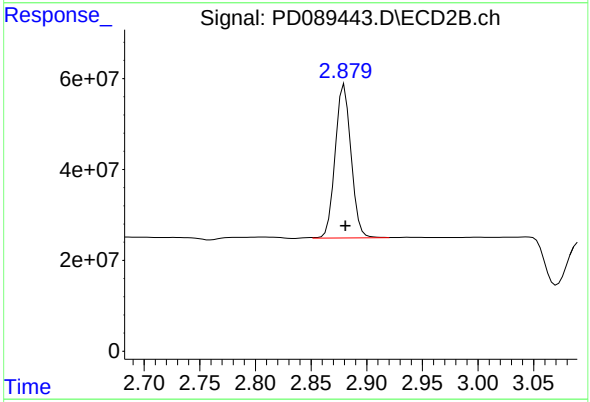

#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 51709940
Conc: 18.12 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
TP-23-99

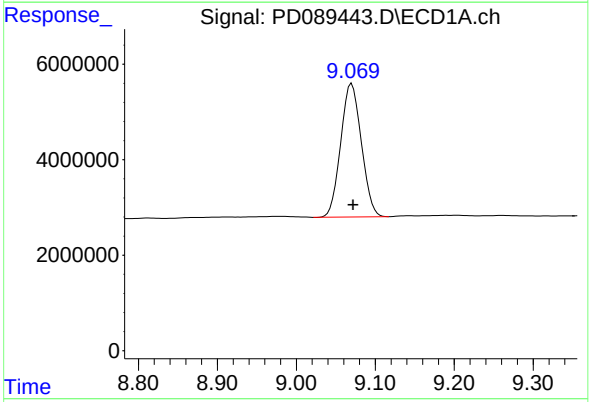
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



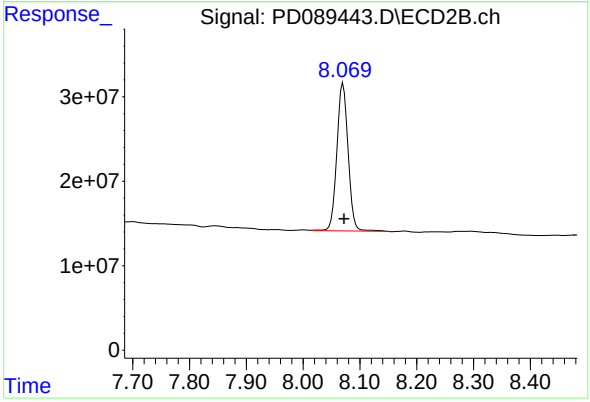

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 335032553
Conc: 19.76 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 50839162
Conc: 12.94 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 241039710
Conc: 12.19 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.:** Q2543
**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 |

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Fax : 908 789 8922

## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D
**Contract:** CAMP02
**SDG NO.:** Q2543
**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

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

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

**Contract:** CAMP02
**SDG NO.:** Q2543
**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

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

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

**Contract:** CAMP02
**SDG NO.:** Q2543
**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

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

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

**Lab Code:** ACE **SDG NO.:** Q2543

**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

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

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

**Lab Code:** ACE **SDG NO.:** Q2543

**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.

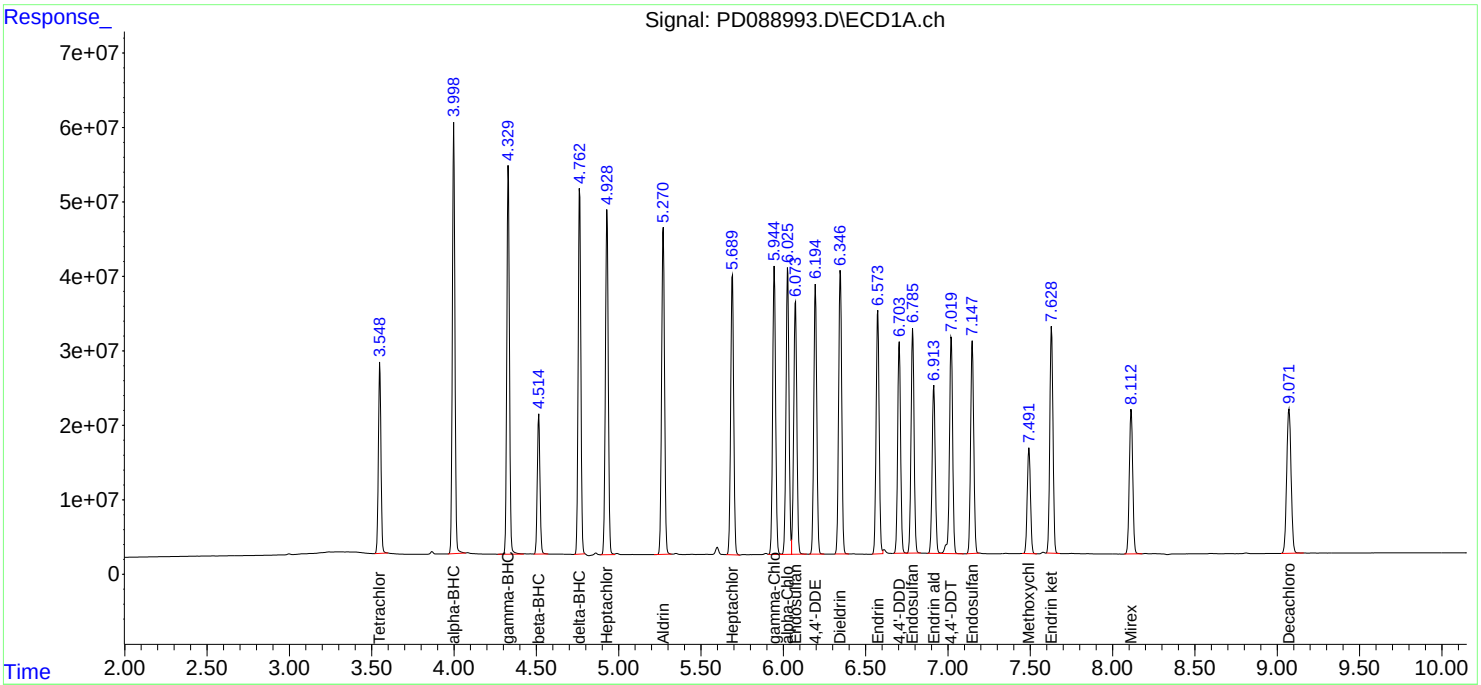
ICAL Form

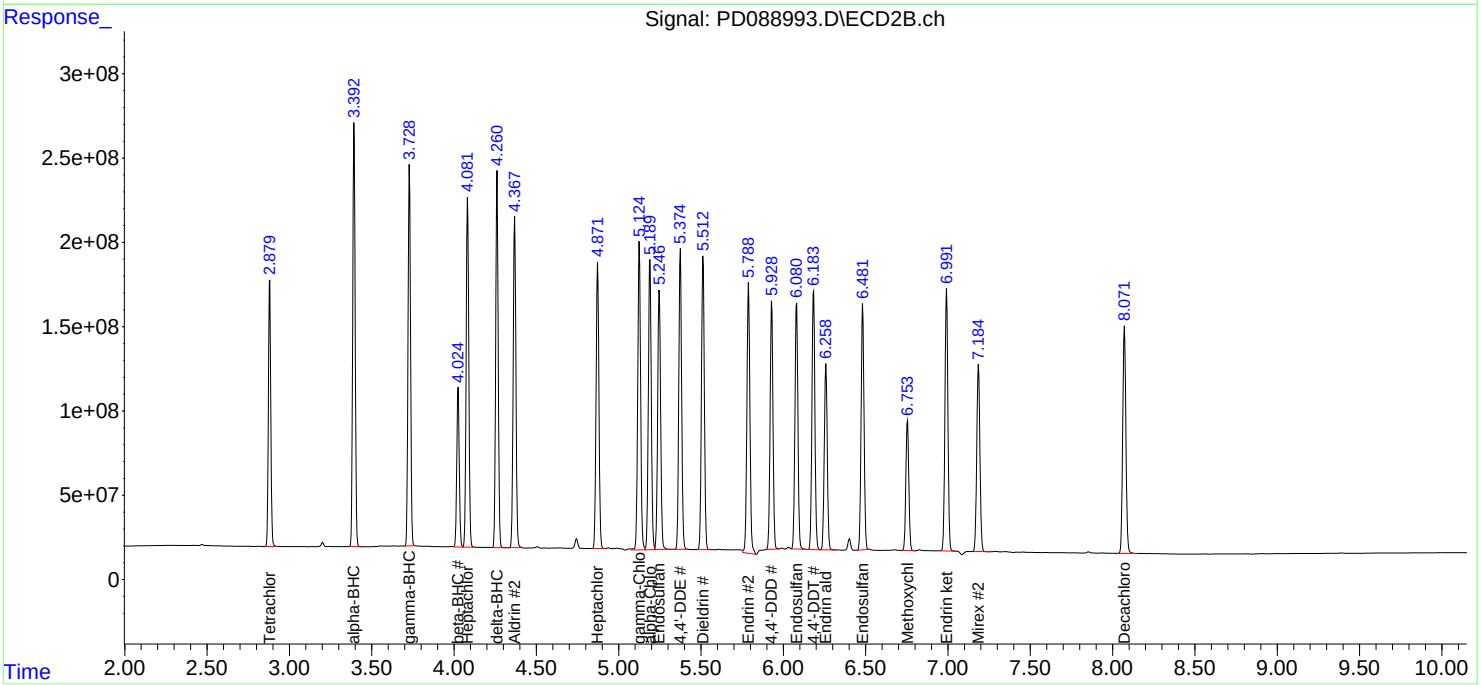
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

**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.

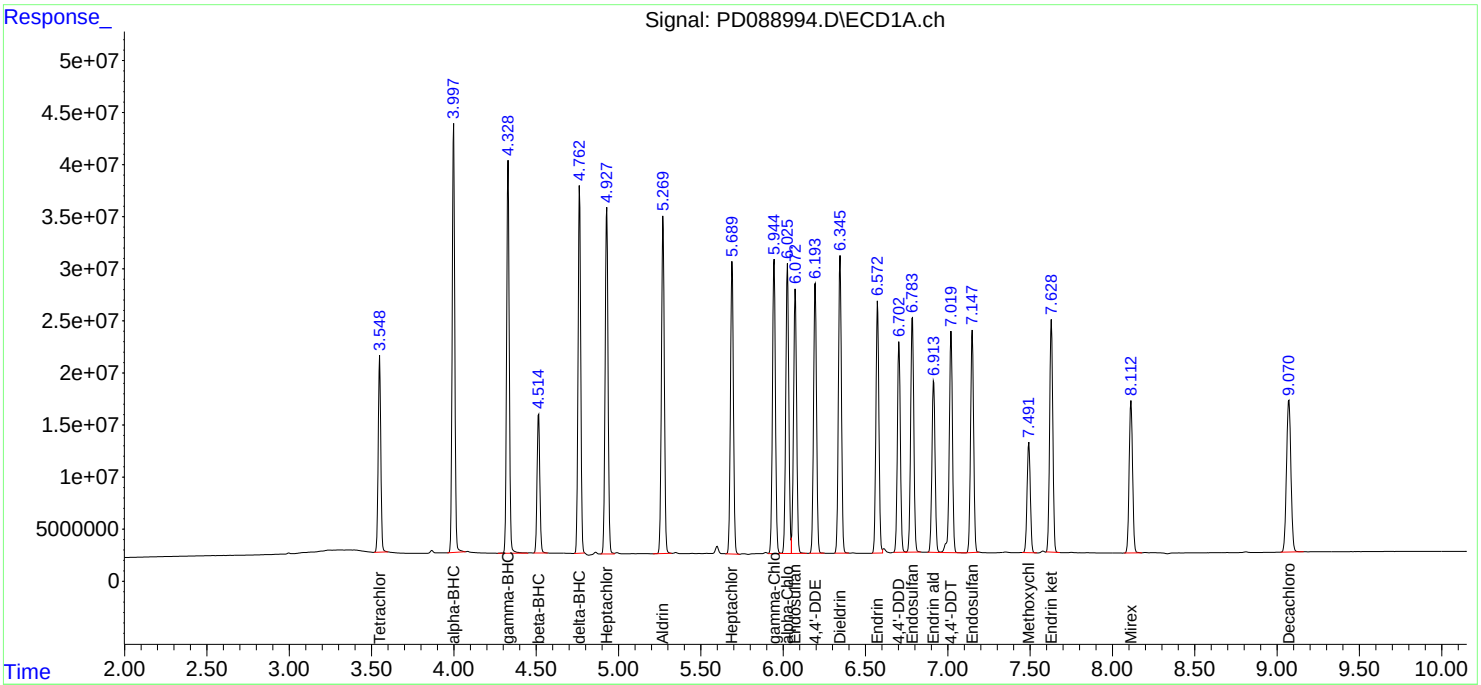
ICAL Form

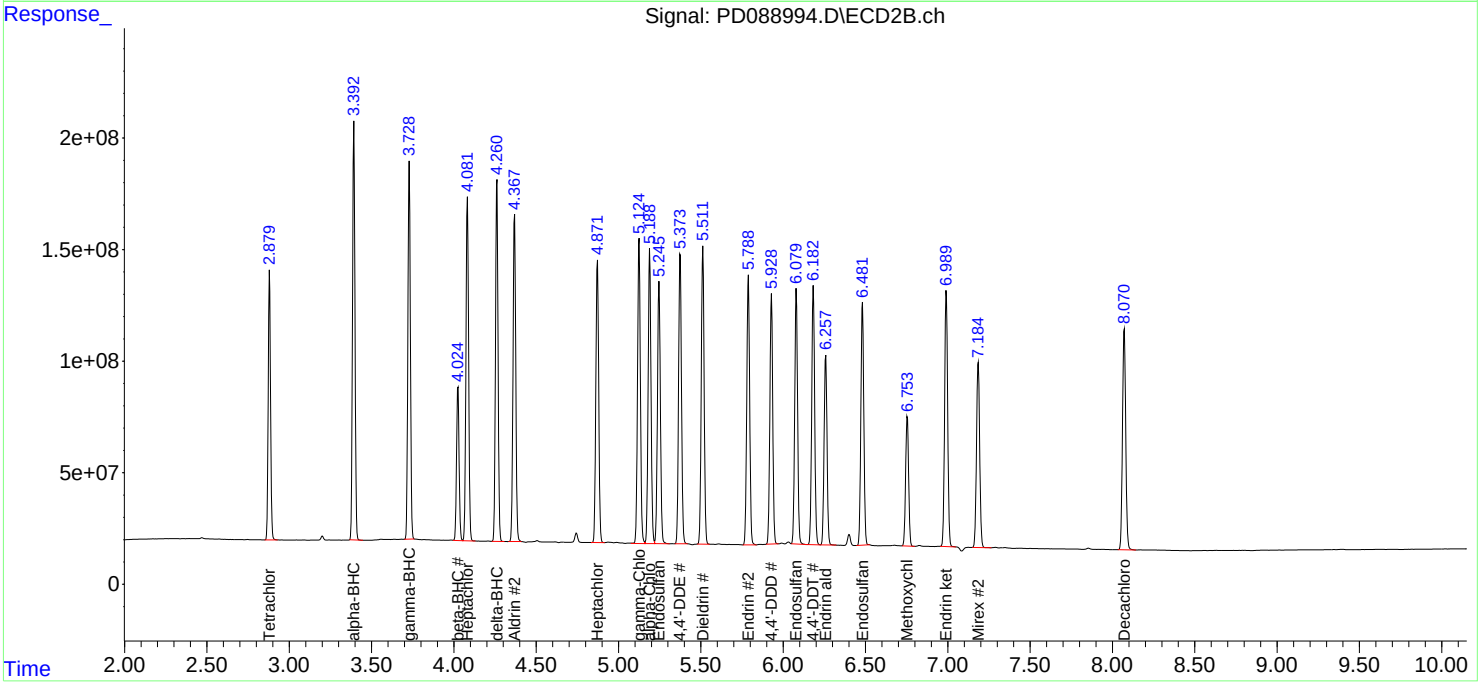
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

**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.

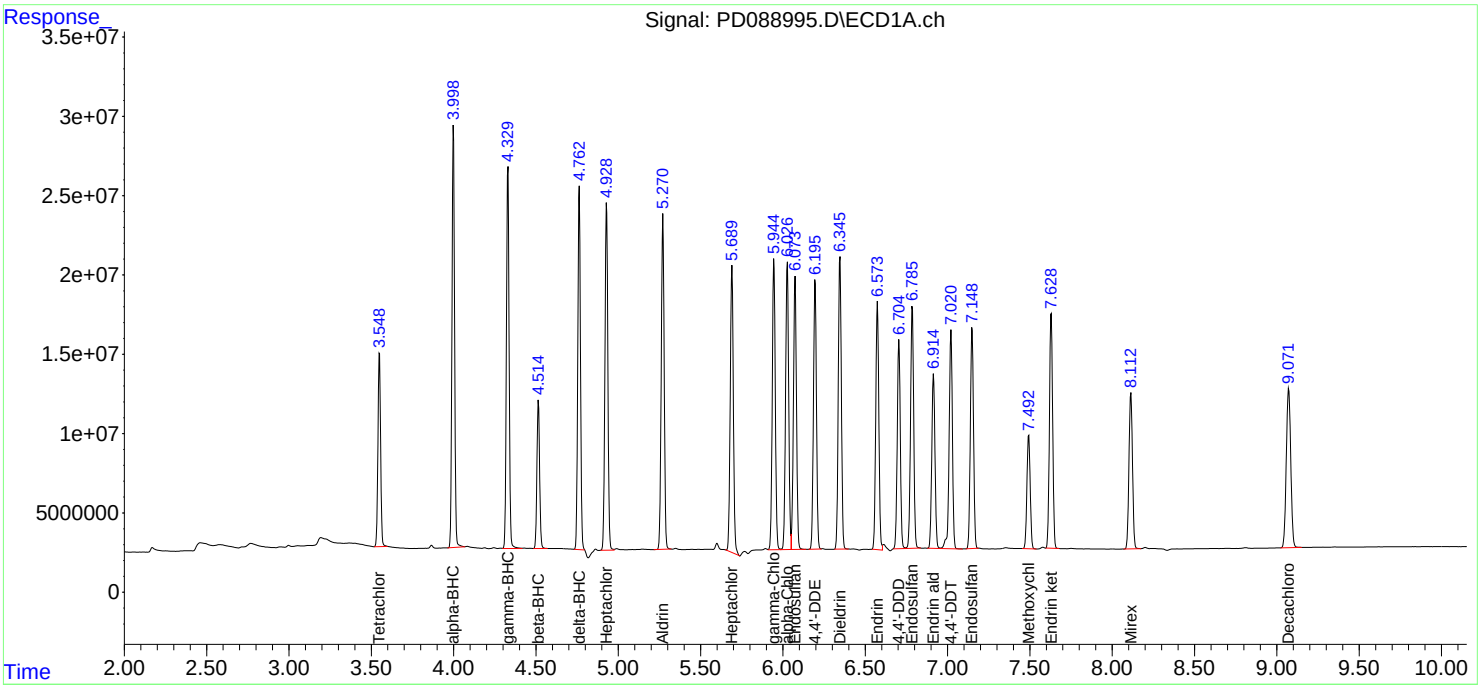
ICAL Form

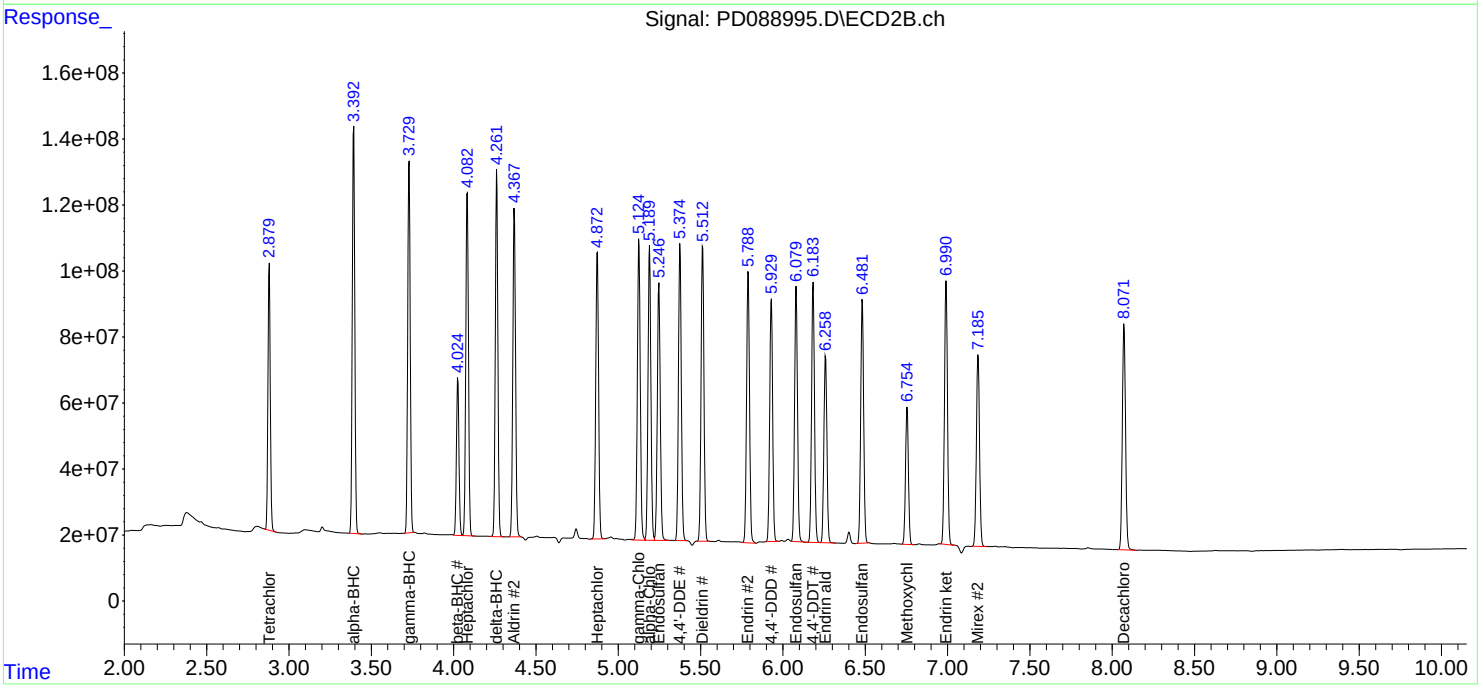
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**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

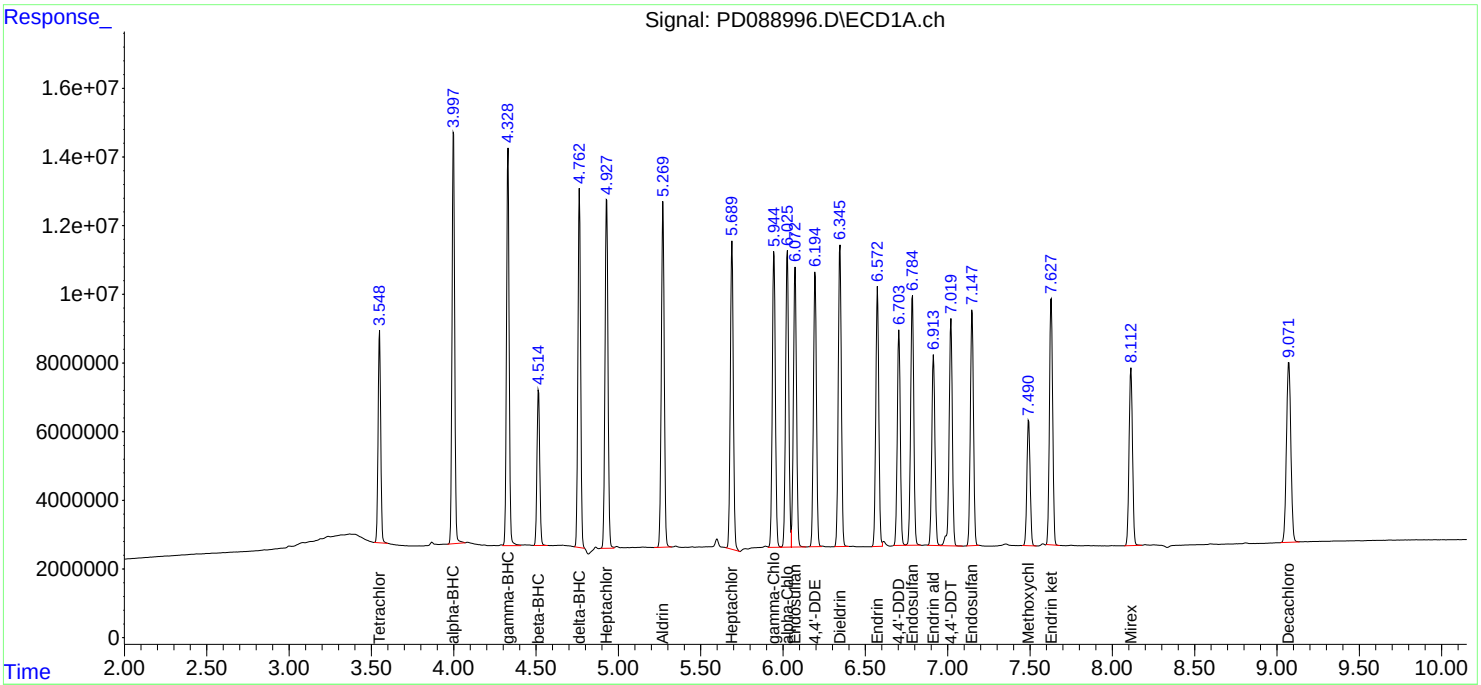
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC025

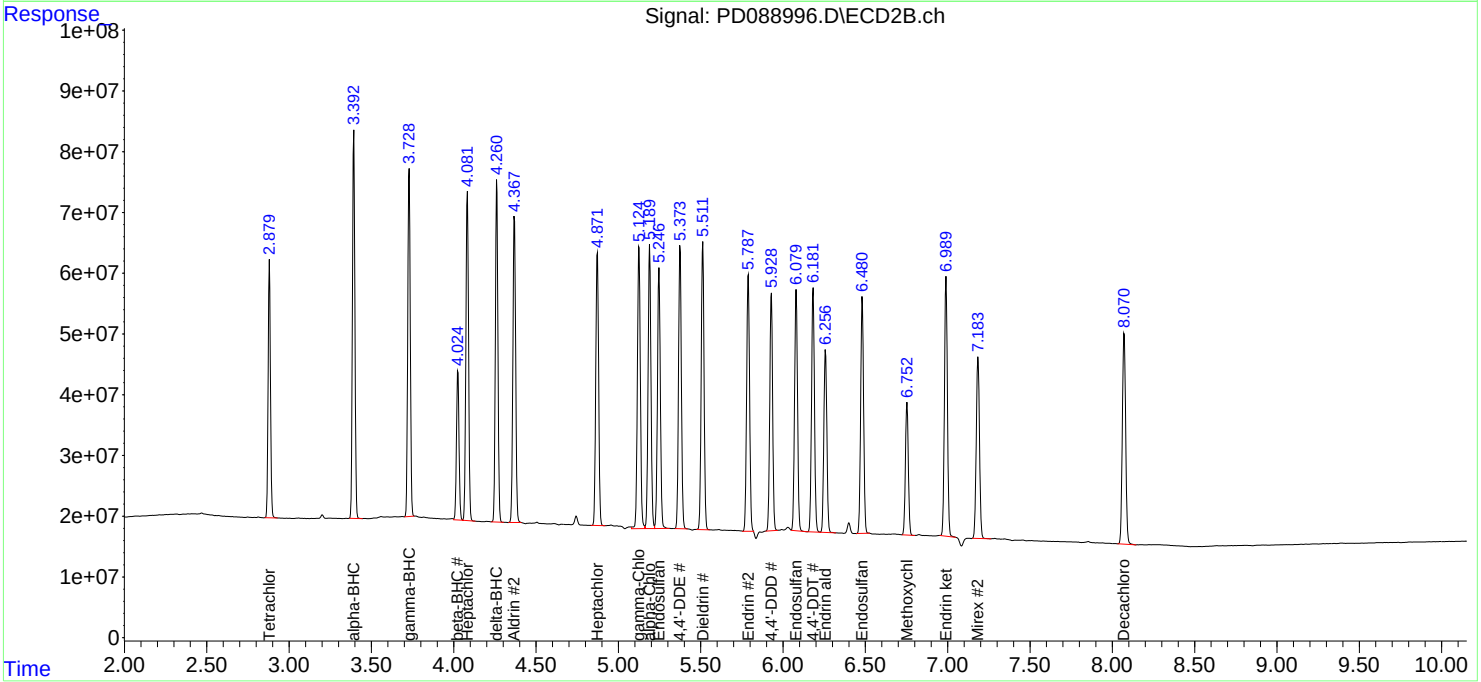
**Manual Integrations APPROVED**

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

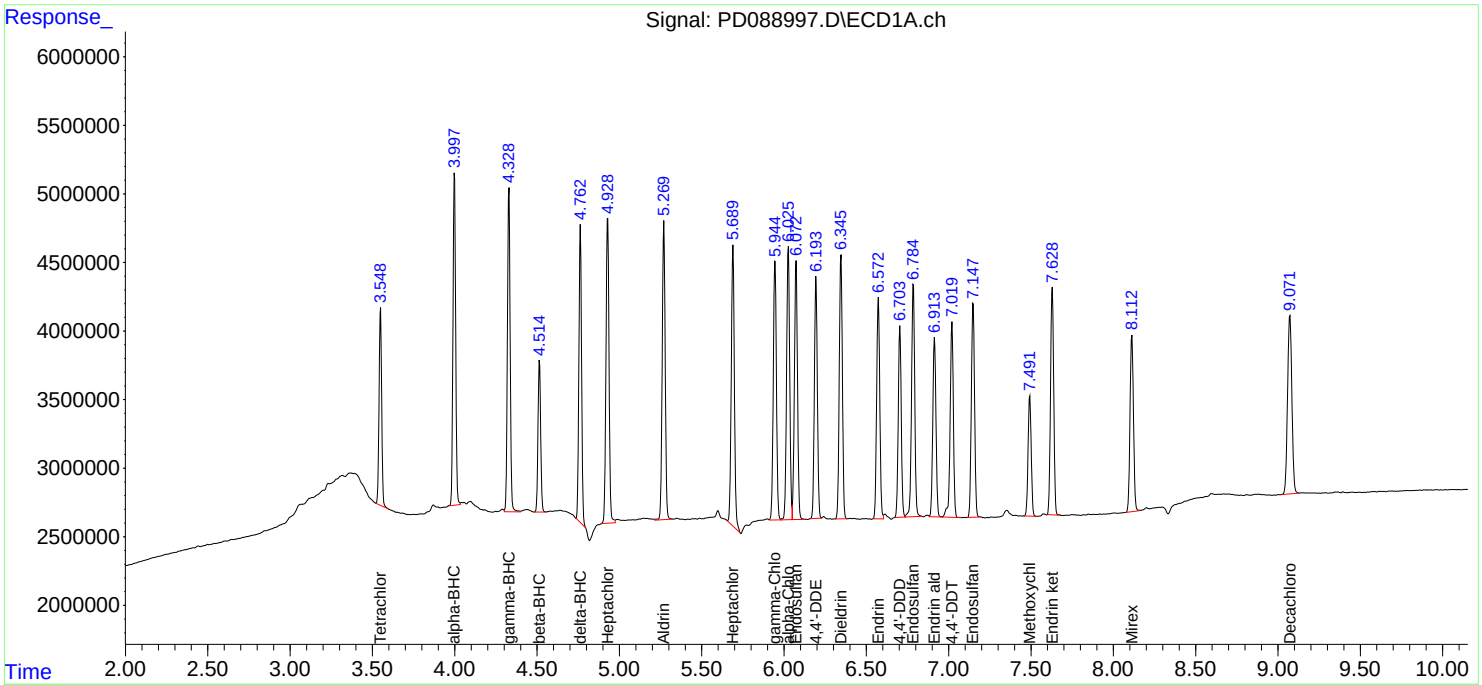
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDICC005

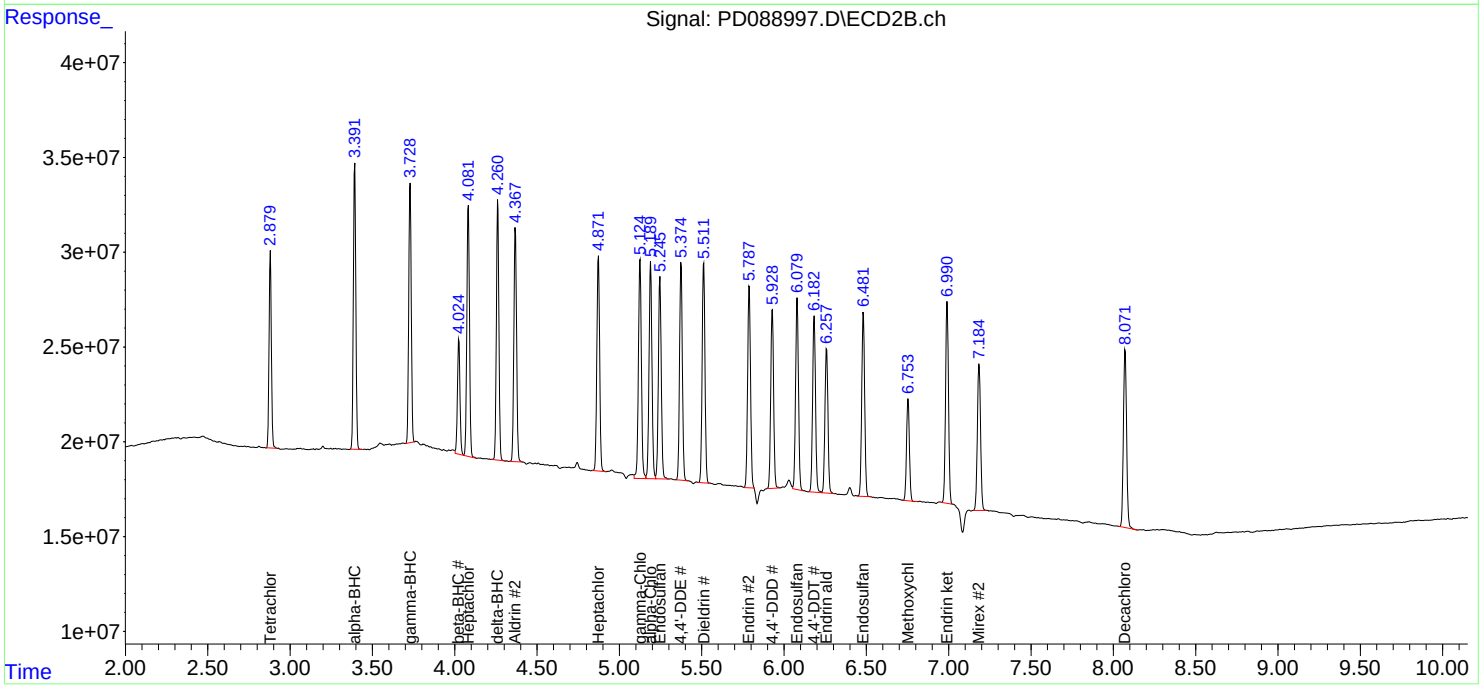
**Manual Integrations APPROVED**

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.

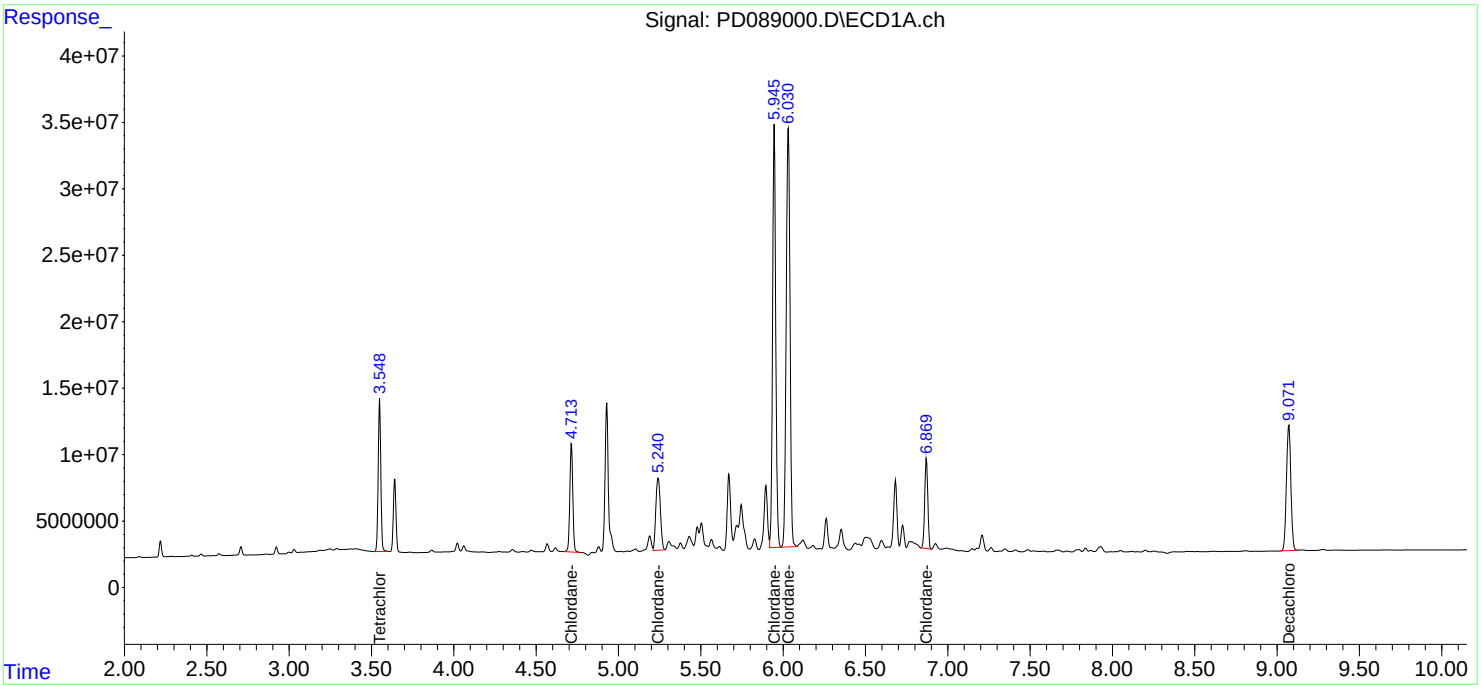
ICAL Form

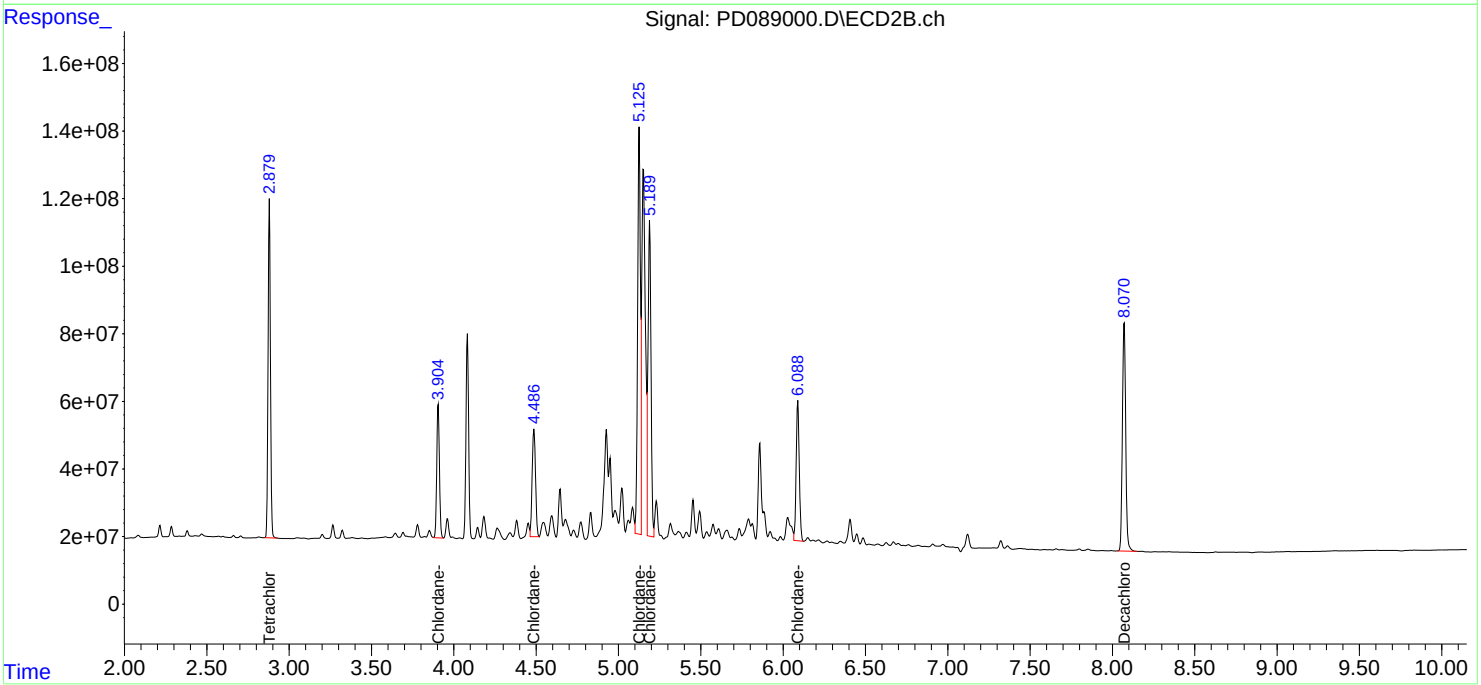
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**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 |

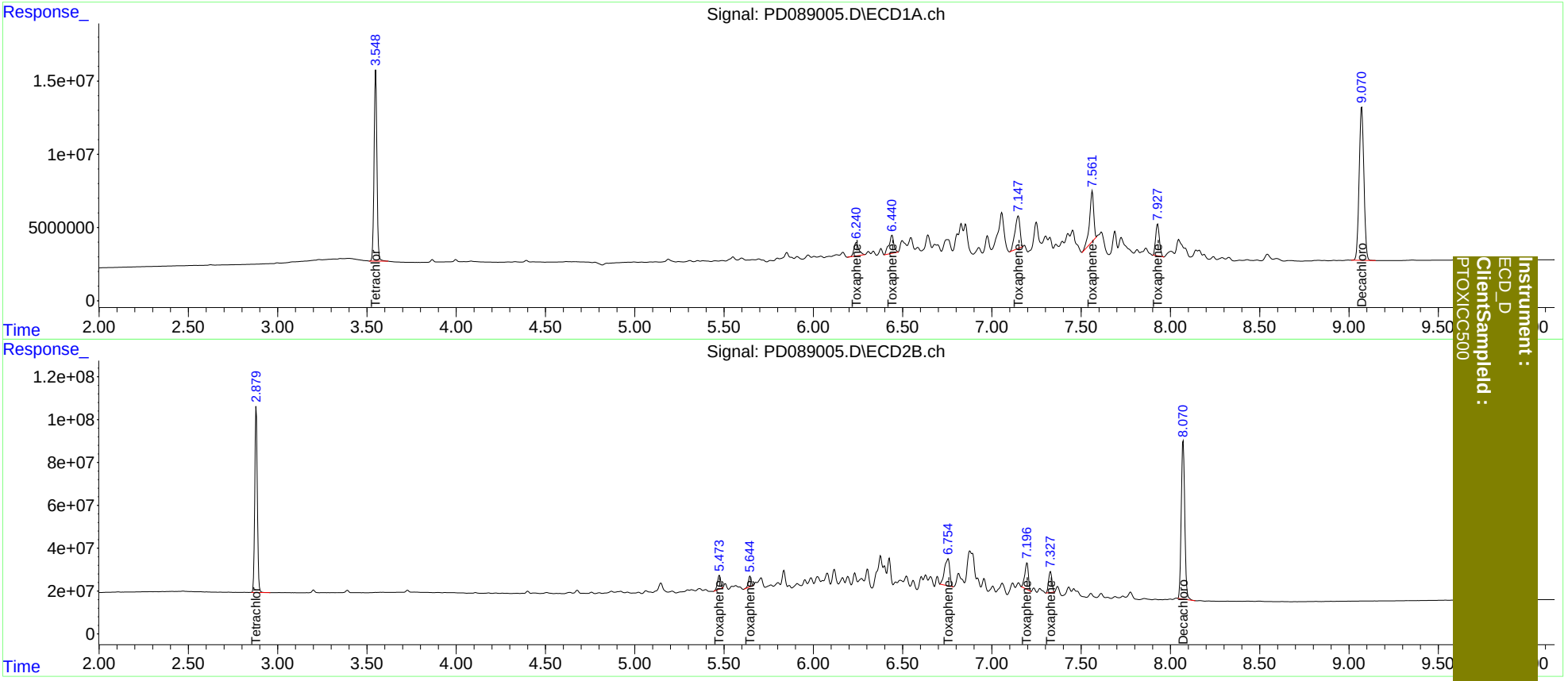
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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.

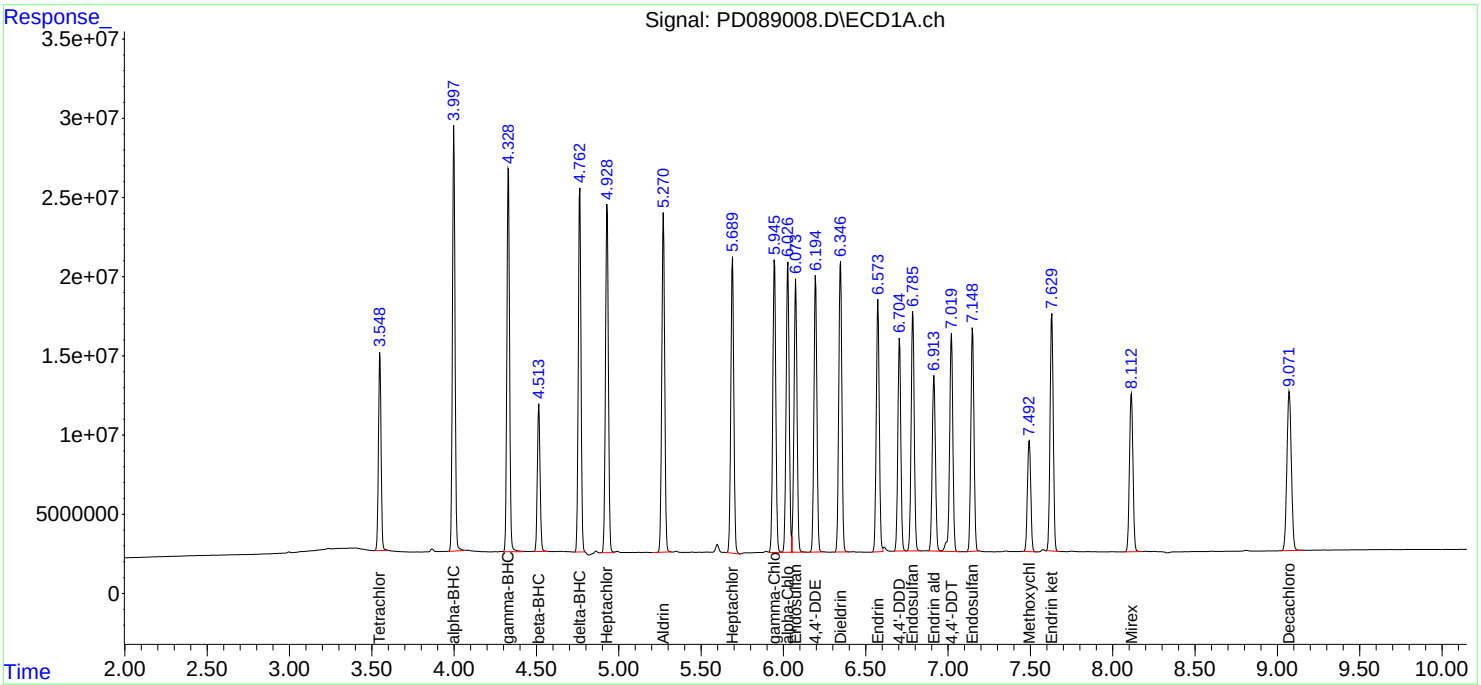
ICAL Form

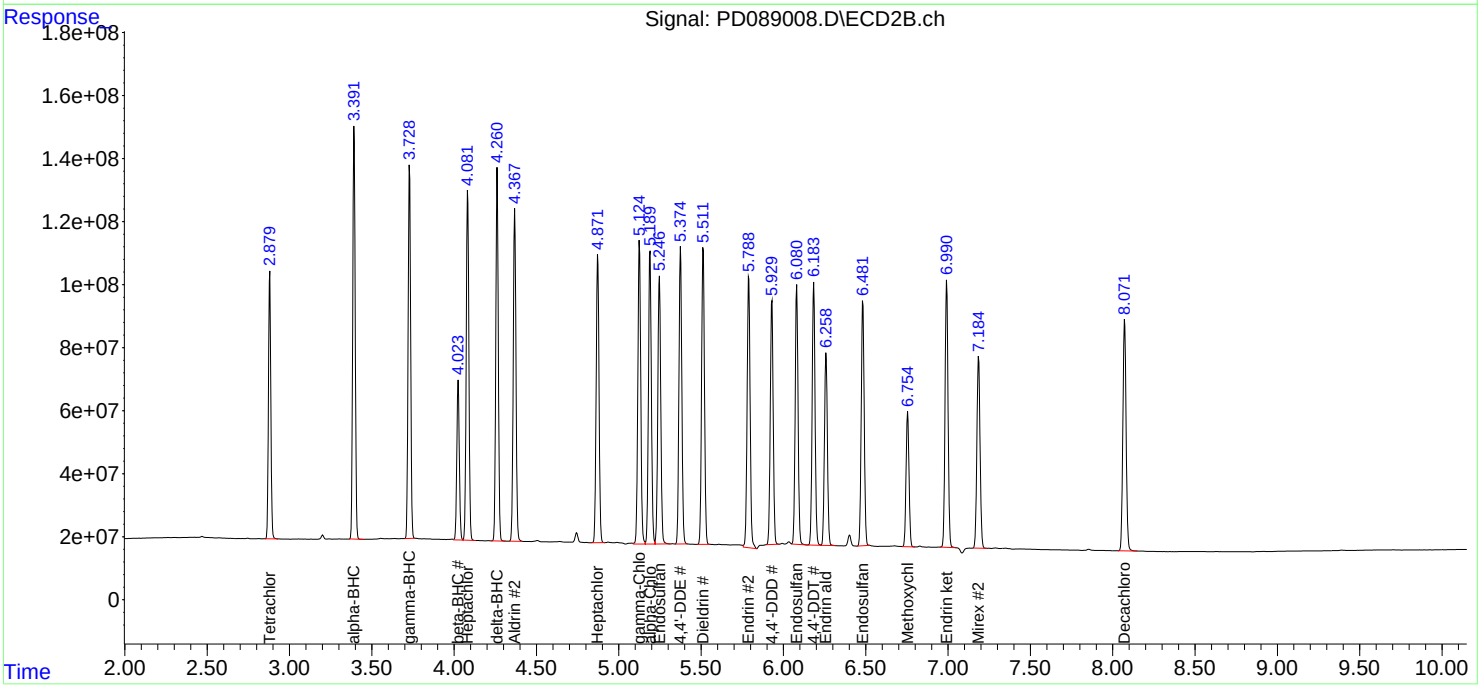
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

**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.

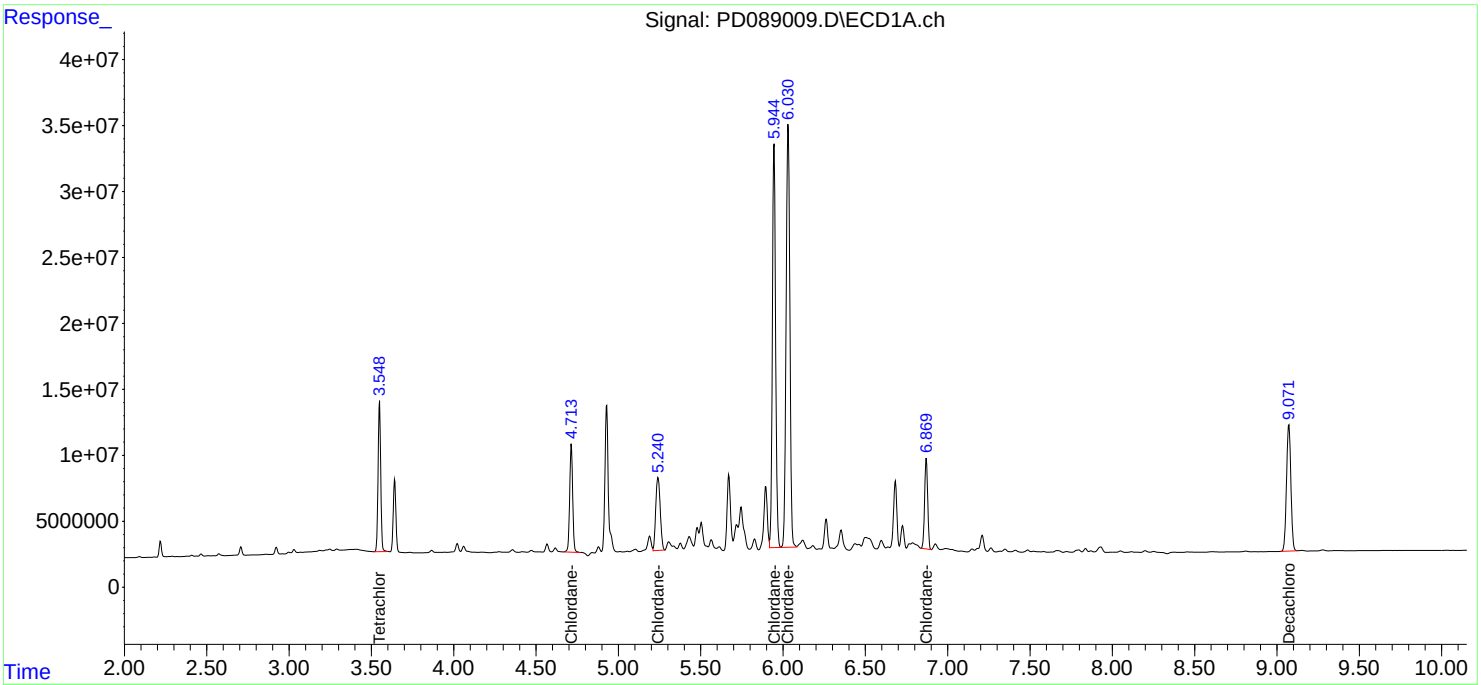
ICAL Form

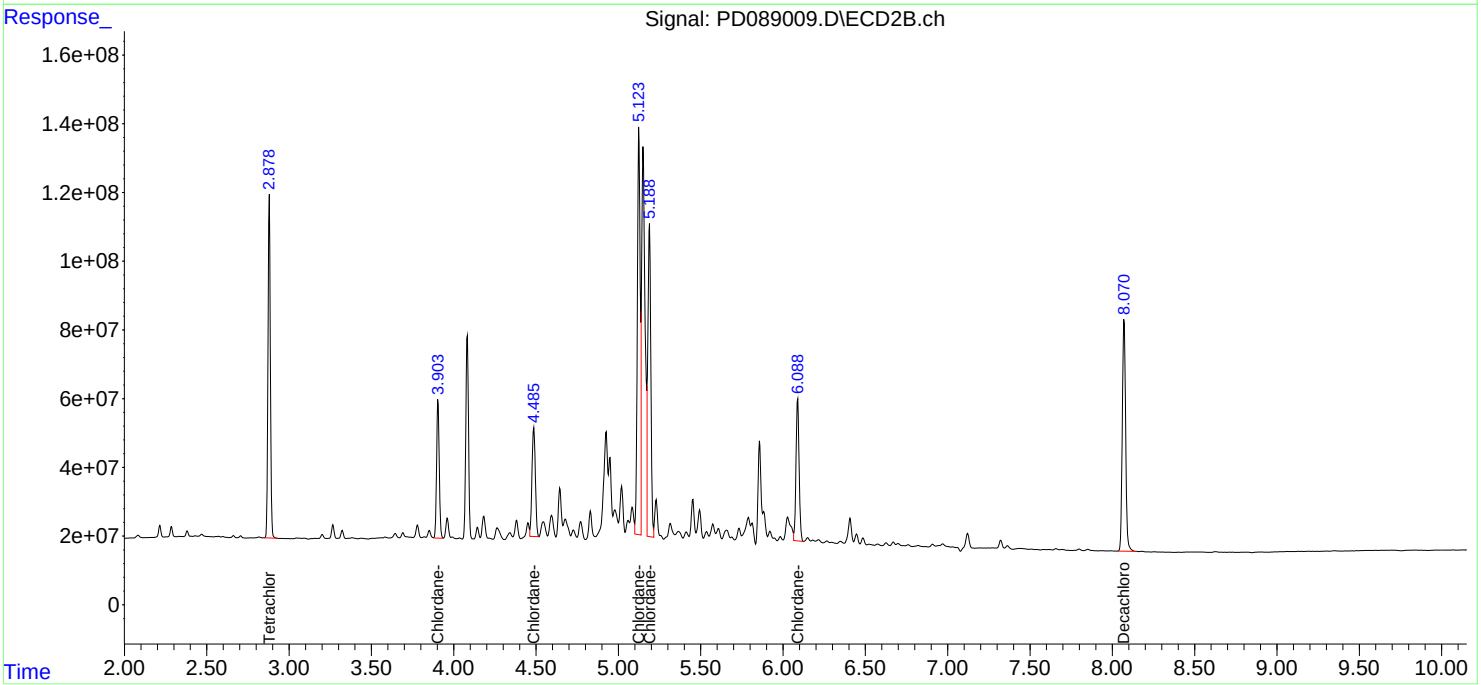
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

**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 |

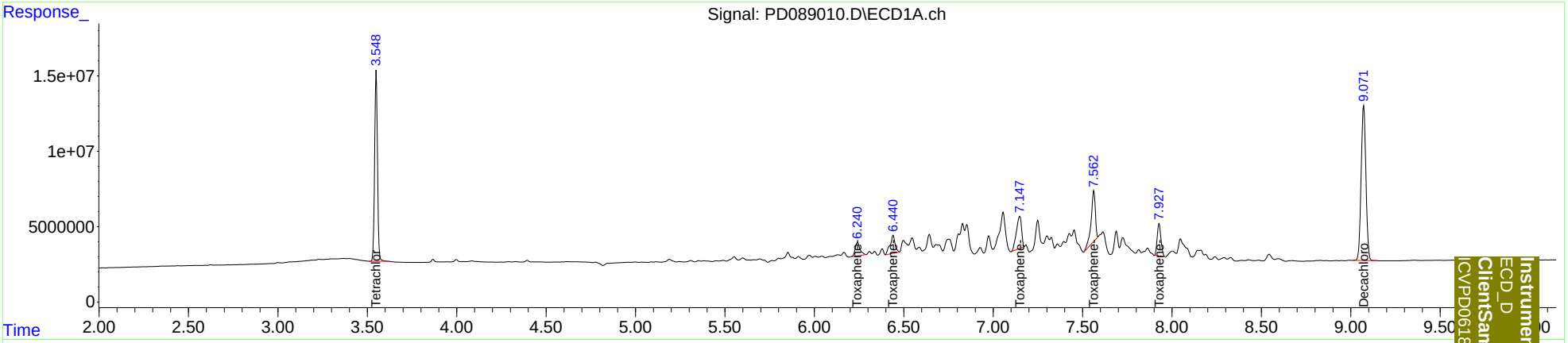
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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: **PD089432.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.:** Q2543

**Continuing Calib Date:** 07/10/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 12:30 **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 | 0.01 |
| 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 | 0.01 |
| 4,4'-DDD | 6.70 | 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 | 6.91 | 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: **PD089432.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.:** Q2543

**Continuing Calib Date:** 07/10/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 12:30 **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 | 4.02 | 4.03 | 3.93 | 4.13 | 0.01 |
| 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 | 5.24 | 5.25 | 5.15 | 5.35 | 0.01 |
| 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: **PD089432.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.:** Q2543

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

**Client Sample No.:** CCAL01 **Date Analyzed:** 07/10/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089432.D **Time Analyzed:** 12:30

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.704 | 6.605 | 6.805 | 51.350 | 50.000 | 2.7 |
| 4,4'-DDE | 6.195 | 6.096 | 6.296 | 50.690 | 50.000 | 1.4 |
| 4,4'-DDT | 7.019 | 6.921 | 7.121 | 49.590 | 50.000 | -0.8 |
| Aldrin | 5.270 | 5.171 | 5.371 | 51.560 | 50.000 | 3.1 |
| alpha-BHC | 3.998 | 3.899 | 4.099 | 52.080 | 50.000 | 4.2 |
| alpha-Chlordane | 6.026 | 5.927 | 6.127 | 50.700 | 50.000 | 1.4 |
| beta-BHC | 4.515 | 4.415 | 4.615 | 50.030 | 50.000 | 0.1 |
| Decachlorobiphenyl | 9.069 | 8.972 | 9.172 | 49.450 | 50.000 | -1.1 |
| delta-BHC | 4.763 | 4.664 | 4.864 | 54.450 | 50.000 | 8.9 |
| Dieldrin | 6.346 | 6.247 | 6.447 | 51.040 | 50.000 | 2.1 |
| Endosulfan I | 6.073 | 5.975 | 6.175 | 50.780 | 50.000 | 1.6 |
| Endosulfan II | 6.785 | 6.686 | 6.886 | 51.070 | 50.000 | 2.1 |
| Endosulfan sulfate | 7.148 | 7.049 | 7.249 | 49.480 | 50.000 | -1.0 |
| Endrin | 6.573 | 6.475 | 6.675 | 48.550 | 50.000 | -2.9 |
| Endrin aldehyde | 6.914 | 6.815 | 7.015 | 48.380 | 50.000 | -3.2 |
| Endrin ketone | 7.628 | 7.530 | 7.730 | 50.230 | 50.000 | 0.5 |
| gamma-BHC (Lindane) | 4.329 | 4.230 | 4.430 | 51.710 | 50.000 | 3.4 |
| gamma-Chlordane | 5.945 | 5.846 | 6.046 | 51.120 | 50.000 | 2.2 |
| Heptachlor | 4.928 | 4.829 | 5.029 | 51.590 | 50.000 | 3.2 |
| Heptachlor epoxide | 5.689 | 5.591 | 5.791 | 50.170 | 50.000 | 0.3 |
| Methoxychlor | 7.492 | 7.393 | 7.593 | 46.600 | 50.000 | -6.8 |
| Tetrachloro-m-xylene | 3.549 | 3.450 | 3.650 | 51.680 | 50.000 | 3.4 |

Raw Data: **PD089432.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.:** Q2543

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

**Client Sample No.:** CCAL01 **Date Analyzed:** 07/10/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089432.D **Time Analyzed:** 12:30

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.927 | 5.830 | 6.030 | 52.780 | 50.000 | 5.6 |
| 4,4'-DDE | 5.373 | 5.275 | 5.475 | 53.420 | 50.000 | 6.8 |
| 4,4'-DDT | 6.181 | 6.084 | 6.284 | 51.610 | 50.000 | 3.2 |
| Aldrin | 4.366 | 4.269 | 4.469 | 53.750 | 50.000 | 7.5 |
| alpha-BHC | 3.391 | 3.293 | 3.493 | 53.650 | 50.000 | 7.3 |
| alpha-Chlordane | 5.188 | 5.091 | 5.291 | 53.190 | 50.000 | 6.4 |
| beta-BHC | 4.023 | 3.926 | 4.126 | 52.780 | 50.000 | 5.6 |
| Decachlorobiphenyl | 8.070 | 7.972 | 8.172 | 53.860 | 50.000 | 7.7 |
| delta-BHC | 4.260 | 4.162 | 4.362 | 53.590 | 50.000 | 7.2 |
| Dieldrin | 5.510 | 5.413 | 5.613 | 53.060 | 50.000 | 6.1 |
| Endosulfan I | 5.244 | 5.147 | 5.347 | 53.770 | 50.000 | 7.5 |
| Endosulfan II | 6.078 | 5.981 | 6.181 | 52.450 | 50.000 | 4.9 |
| Endosulfan sulfate | 6.479 | 6.383 | 6.583 | 52.420 | 50.000 | 4.8 |
| Endrin | 5.787 | 5.689 | 5.889 | 50.680 | 50.000 | 1.4 |
| Endrin aldehyde | 6.256 | 6.159 | 6.359 | 50.520 | 50.000 | 1.0 |
| Endrin ketone | 6.989 | 6.892 | 7.092 | 52.660 | 50.000 | 5.3 |
| gamma-BHC (Lindane) | 3.726 | 3.630 | 3.830 | 53.590 | 50.000 | 7.2 |
| gamma-Chlordane | 5.122 | 5.026 | 5.226 | 52.900 | 50.000 | 5.8 |
| Heptachlor | 4.081 | 3.983 | 4.183 | 52.390 | 50.000 | 4.8 |
| Heptachlor epoxide | 4.870 | 4.773 | 4.973 | 55.240 | 50.000 | 10.5 |
| Methoxychlor | 6.752 | 6.655 | 6.855 | 49.380 | 50.000 | -1.2 |
| Tetrachloro-m-xylene | 2.879 | 2.780 | 2.980 | 54.960 | 50.000 | 9.9 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 12:30
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:58:12 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... | 3.549 | 2.879 | 147.4E6 | 931.7E6 | 51.677 | 54.959 |
| 28) | SA Decachlor... | 9.069 | 8.070 | 194.2E6 | 1064.8E6 | 49.451 | 53.862 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.998 | 3.391 | 303.6E6 | 1437.6E6 | 52.085 | 53.648 |
| 3) | MA gamma-BHC... | 4.329 | 3.726 | 288.6E6 | 1326.7E6 | 51.707 | 53.590m |
| 4) | MA Heptachlor | 4.928 | 4.081 | 281.3E6 | 1311.8E6 | 51.594 | 52.390 |
| 5) | MB Aldrin | 5.270 | 4.366 | 273.9E6 | 1301.6E6 | 51.559 | 53.748 |
| 6) | B beta-BHC | 4.515 | 4.023 | 110.4E6 | 567.2E6 | 50.030 | 52.783 |
| 7) | B delta-BHC | 4.763 | 4.260 | 279.5E6 | 1332.9E6 | 54.449 | 53.588 |
| 8) | B Heptachlo... | 5.689 | 4.870 | 242.0E6 | 1209.7E6 | 50.171 | 55.243 |
| 9) | A Endosulfan I | 6.073 | 5.244 | 228.9E6 | 1120.7E6 | 50.776 | 53.772 |
| 10) | B gamma-Chl... | 5.945 | 5.122 | 244.8E6 | 1265.6E6 | 51.122 | 52.903m |
| 11) | B alpha-Chl... | 6.026 | 5.188 | 245.3E6 | 1217.8E6 | 50.700 | 53.186 |
| 12) | B 4,4'-DDE | 6.195 | 5.373 | 221.0E6 | 1224.1E6 | 50.687 | 53.418 |
| 13) | MA Dieldrin | 6.346 | 5.510 | 244.9E6 | 1231.4E6 | 51.038 | 53.056 |
| 14) | MA Endrin | 6.573 | 5.787 | 200.3E6 | 1100.4E6 | 48.551 | 50.678 |
| 15) | B Endosulfa... | 6.785 | 6.078 | 206.1E6 | 1059.4E6 | 51.069 | 52.452 |
| 16) | A 4,4'-DDD | 6.704 | 5.927 | 176.2E6 | 1009.6E6 | 51.353 | 52.775 |
| 17) | MA 4,4'-DDT | 7.019 | 6.181 | 187.8E6 | 1046.7E6 | 49.587 | 51.614 |
| 18) | B Endrin al... | 6.914 | 6.256 | 148.2E6 | 773.6E6 | 48.378 | 50.524 |
| 19) | B Endosulfa... | 7.148 | 6.479 | 189.9E6 | 1028.5E6 | 49.482 | 52.420 |
| 20) | A Methoxychlor | 7.492 | 6.752 | 94168764 | 531.7E6 | 46.604 | 49.380 |
| 21) | B Endrin ke... | 7.628 | 6.989 | 204.6E6 | 1137.5E6 | 50.230 | 52.658 |
| 22) | Mirex | 8.112 | 7.182 | 149.3E6 | 869.7E6 | 49.114 | 52.147 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 12:30
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

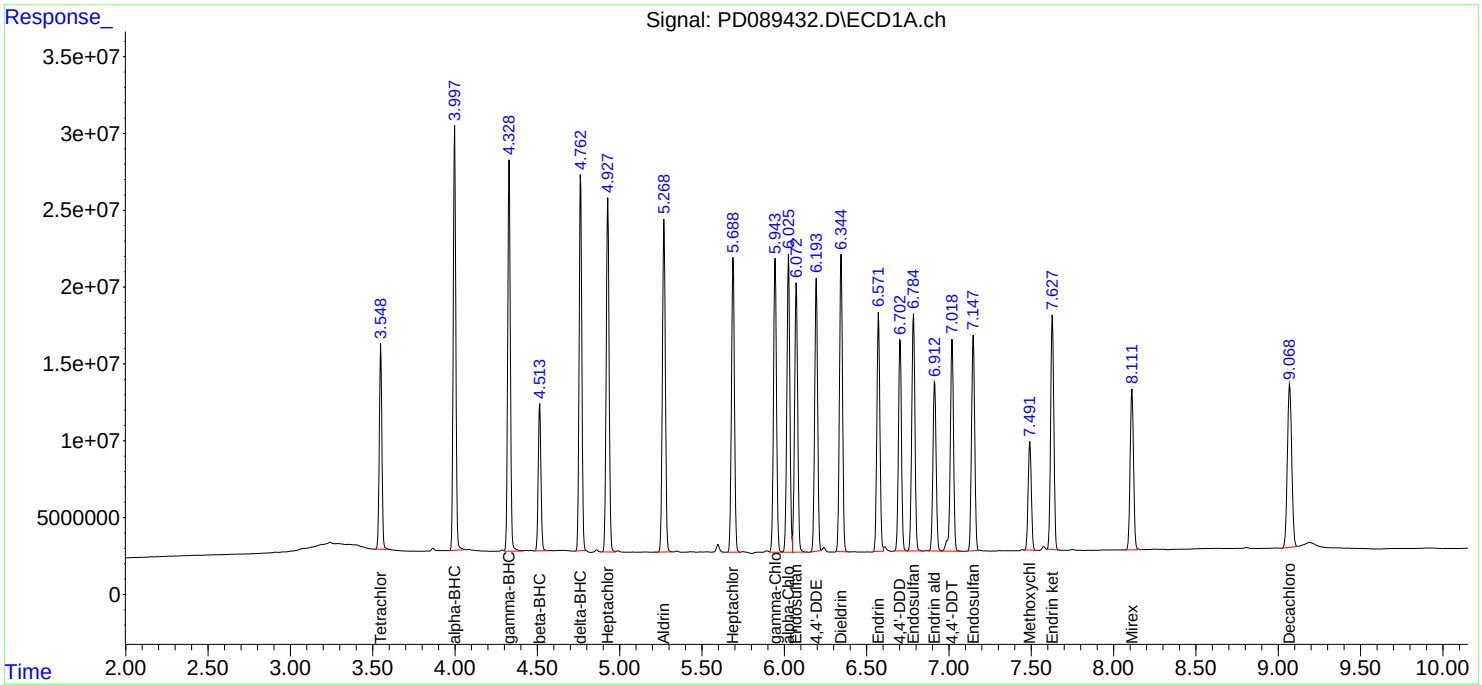
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

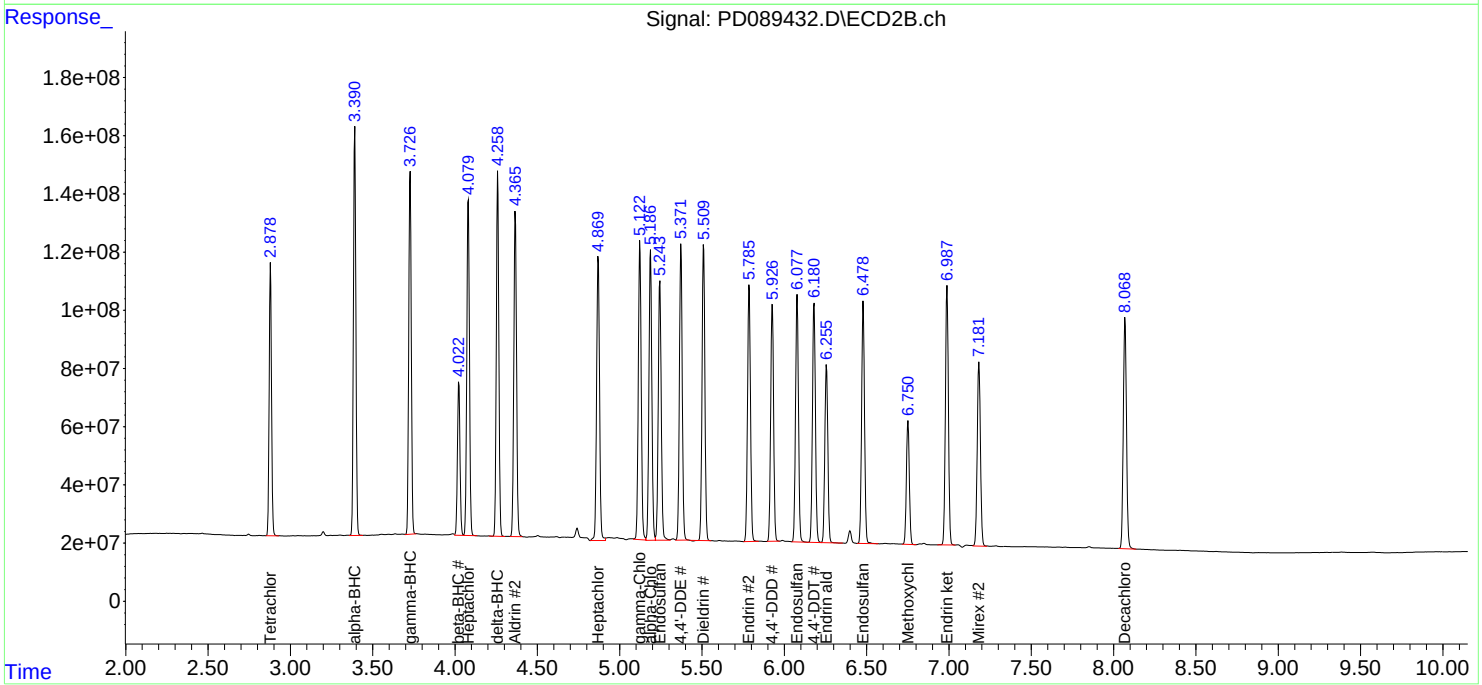
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:58:12 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



Raw Data: **PD089448.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.:** Q2543

**Continuing Calib Date:** 07/10/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 19:03 **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 | 0.01 |
| 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 | 6.19 | 6.20 | 6.10 | 6.30 | 0.01 |
| Endrin | 6.57 | 6.58 | 6.48 | 6.68 | 0.01 |
| Endosulfan II | 6.79 | 6.79 | 6.69 | 6.89 | 0.01 |
| 4,4'-DDD | 6.70 | 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 | 6.91 | 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: **PD089448.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.:** Q2543

**Continuing Calib Date:** 07/10/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

**Continuing Calib Time:** 19:03 **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 | 4.02 | 4.03 | 3.93 | 4.13 | 0.01 |
| 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: **PD089448.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.:** Q2543

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

**Client Sample No.:** CCAL02 **Date Analyzed:** 07/10/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089448.D **Time Analyzed:** 19:03

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.704 | 6.605 | 6.805 | 48.150 | 50.000 | -3.7 |
| 4,4'-DDE | 6.194 | 6.096 | 6.296 | 50.330 | 50.000 | 0.7 |
| 4,4'-DDT | 7.020 | 6.921 | 7.121 | 43.790 | 50.000 | -12.4 |
| Aldrin | 5.270 | 5.171 | 5.371 | 53.130 | 50.000 | 6.3 |
| alpha-BHC | 3.999 | 3.899 | 4.099 | 53.870 | 50.000 | 7.7 |
| alpha-Chlordane | 6.026 | 5.927 | 6.127 | 50.530 | 50.000 | 1.1 |
| beta-BHC | 4.515 | 4.415 | 4.615 | 51.900 | 50.000 | 3.8 |
| Decachlorobiphenyl | 9.071 | 8.972 | 9.172 | 49.130 | 50.000 | -1.7 |
| delta-BHC | 4.763 | 4.664 | 4.864 | 56.310 | 50.000 | 12.6 |
| Dieldrin | 6.346 | 6.247 | 6.447 | 50.360 | 50.000 | 0.7 |
| Endosulfan I | 6.073 | 5.975 | 6.175 | 50.400 | 50.000 | 0.8 |
| Endosulfan II | 6.785 | 6.686 | 6.886 | 46.770 | 50.000 | -6.5 |
| Endosulfan sulfate | 7.149 | 7.049 | 7.249 | 46.270 | 50.000 | -7.5 |
| Endrin | 6.573 | 6.475 | 6.675 | 45.900 | 50.000 | -8.2 |
| Endrin aldehyde | 6.914 | 6.815 | 7.015 | 45.350 | 50.000 | -9.3 |
| Endrin ketone | 7.629 | 7.530 | 7.730 | 44.450 | 50.000 | -11.1 |
| gamma-BHC (Lindane) | 4.330 | 4.230 | 4.430 | 53.480 | 50.000 | 7.0 |
| gamma-Chlordane | 5.945 | 5.846 | 6.046 | 51.250 | 50.000 | 2.5 |
| Heptachlor | 4.929 | 4.829 | 5.029 | 51.830 | 50.000 | 3.7 |
| Heptachlor epoxide | 5.689 | 5.591 | 5.791 | 50.600 | 50.000 | 1.2 |
| Methoxychlor | 7.492 | 7.393 | 7.593 | 40.060 | 50.000 | -19.9 |
| Tetrachloro-m-xylene | 3.550 | 3.450 | 3.650 | 51.250 | 50.000 | 2.5 |

Raw Data: **PD089448.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.:** Q2543

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

**Client Sample No.:** CCAL02 **Date Analyzed:** 07/10/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD089448.D **Time Analyzed:** 19:03

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.928 | 5.830 | 6.030 | 52.630 | 50.000 | 5.3 |
| 4,4'-DDE | 5.373 | 5.275 | 5.475 | 53.720 | 50.000 | 7.4 |
| 4,4'-DDT | 6.181 | 6.084 | 6.284 | 47.410 | 50.000 | -5.2 |
| Aldrin | 4.367 | 4.269 | 4.469 | 55.150 | 50.000 | 10.3 |
| alpha-BHC | 3.393 | 3.293 | 3.493 | 55.660 | 50.000 | 11.3 |
| alpha-Chlordane | 5.189 | 5.091 | 5.291 | 53.940 | 50.000 | 7.9 |
| beta-BHC | 4.024 | 3.926 | 4.126 | 54.460 | 50.000 | 8.9 |
| Decachlorobiphenyl | 8.070 | 7.972 | 8.172 | 44.480 | 50.000 | -11.0 |
| delta-BHC | 4.261 | 4.162 | 4.362 | 55.350 | 50.000 | 10.7 |
| Dieldrin | 5.511 | 5.413 | 5.613 | 53.550 | 50.000 | 7.1 |
| Endosulfan I | 5.246 | 5.147 | 5.347 | 54.160 | 50.000 | 8.3 |
| Endosulfan II | 6.078 | 5.981 | 6.181 | 50.800 | 50.000 | 1.6 |
| Endosulfan sulfate | 6.480 | 6.383 | 6.583 | 49.420 | 50.000 | -1.2 |
| Endrin | 5.787 | 5.689 | 5.889 | 51.950 | 50.000 | 3.9 |
| Endrin aldehyde | 6.257 | 6.159 | 6.359 | 48.410 | 50.000 | -3.2 |
| Endrin ketone | 6.990 | 6.892 | 7.092 | 46.330 | 50.000 | -7.3 |
| gamma-BHC (Lindane) | 3.727 | 3.630 | 3.830 | 55.360 | 50.000 | 10.7 |
| gamma-Chlordane | 5.124 | 5.026 | 5.226 | 54.290 | 50.000 | 8.6 |
| Heptachlor | 4.082 | 3.983 | 4.183 | 53.040 | 50.000 | 6.1 |
| Heptachlor epoxide | 4.871 | 4.773 | 4.973 | 55.620 | 50.000 | 11.2 |
| Methoxychlor | 6.752 | 6.655 | 6.855 | 43.270 | 50.000 | -13.5 |
| Tetrachloro-m-xylene | 2.881 | 2.780 | 2.980 | 54.620 | 50.000 | 9.2 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 19:03
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 02:24:41 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 | 146.2E6 | 925.9E6 | 51.245 | 54.618 |
| 28) | SA Decachlor... | 9.071 | 8.070 | 193.0E6 | 879.5E6 | 49.128 | 44.485 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.393 | 314.0E6 | 1491.7E6 | 53.874 | 55.665 |
| 3) | MA gamma-BHC... | 4.330 | 3.727 | 298.5E6 | 1370.5E6 | 53.477 | 55.358m |
| 4) | MA Heptachlor | 4.929 | 4.082 | 282.6E6 | 1328.1E6 | 51.834 | 53.041 |
| 5) | MB Aldrin | 5.270 | 4.367 | 282.3E6 | 1335.7E6 | 53.134 | 55.155 |
| 6) | B beta-BHC | 4.515 | 4.024 | 114.6E6 | 585.2E6 | 51.905 | 54.459 |
| 7) | B delta-BHC | 4.763 | 4.261 | 289.0E6 | 1376.7E6 | 56.307 | 55.346 |
| 8) | B Heptachlo... | 5.689 | 4.871 | 244.1E6 | 1218.0E6 | 50.600 | 55.623 |
| 9) | A Endosulfan I | 6.073 | 5.246 | 227.2E6 | 1128.8E6 | 50.405 | 54.157 |
| 10) | B gamma-Chl... | 5.945 | 5.124 | 245.4E6 | 1298.7E6 | 51.246 | 54.286 |
| 11) | B alpha-Chl... | 6.026 | 5.189 | 244.5E6 | 1235.0E6 | 50.532 | 53.938 |
| 12) | B 4,4'-DDE | 6.194 | 5.373 | 219.5E6 | 1230.9E6 | 50.327 | 53.715 |
| 13) | MA Dieldrin | 6.346 | 5.511 | 241.6E6 | 1242.8E6 | 50.364 | 53.549 |
| 14) | MA Endrin | 6.573 | 5.787 | 189.4E6 | 1128.0E6 | 45.904 | 51.950 |
| 15) | B Endosulfa... | 6.785 | 6.078 | 188.8E6 | 1026.0E6 | 46.768 | 50.799 |
| 16) | A 4,4'-DDD | 6.704 | 5.928 | 165.3E6 | 1006.7E6 | 48.153 | 52.628 |
| 17) | MA 4,4'-DDT | 7.020 | 6.181 | 165.9E6 | 961.5E6 | 43.794 | 47.411 |
| 18) | B Endrin al... | 6.914 | 6.257 | 138.9E6 | 741.2E6 | 45.346 | 48.410 |
| 19) | B Endosulfa... | 7.149 | 6.480 | 177.6E6 | 969.6E6 | 46.272 | 49.417 |
| 20) | A Methoxychlor | 7.492 | 6.752 | 80951718 | 465.9E6 | 40.063 | 43.267 |
| 21) | B Endrin ke... | 7.629 | 6.990 | 181.0E6 | 1000.8E6 | 44.447 | 46.329 |
| 22) | Mirex | 8.113 | 7.182 | 128.7E6 | 758.8E6 | 42.348 | 45.499m |

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

Sample Results: **PD089448.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 19:03
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 20 Sample Multiplier: 1

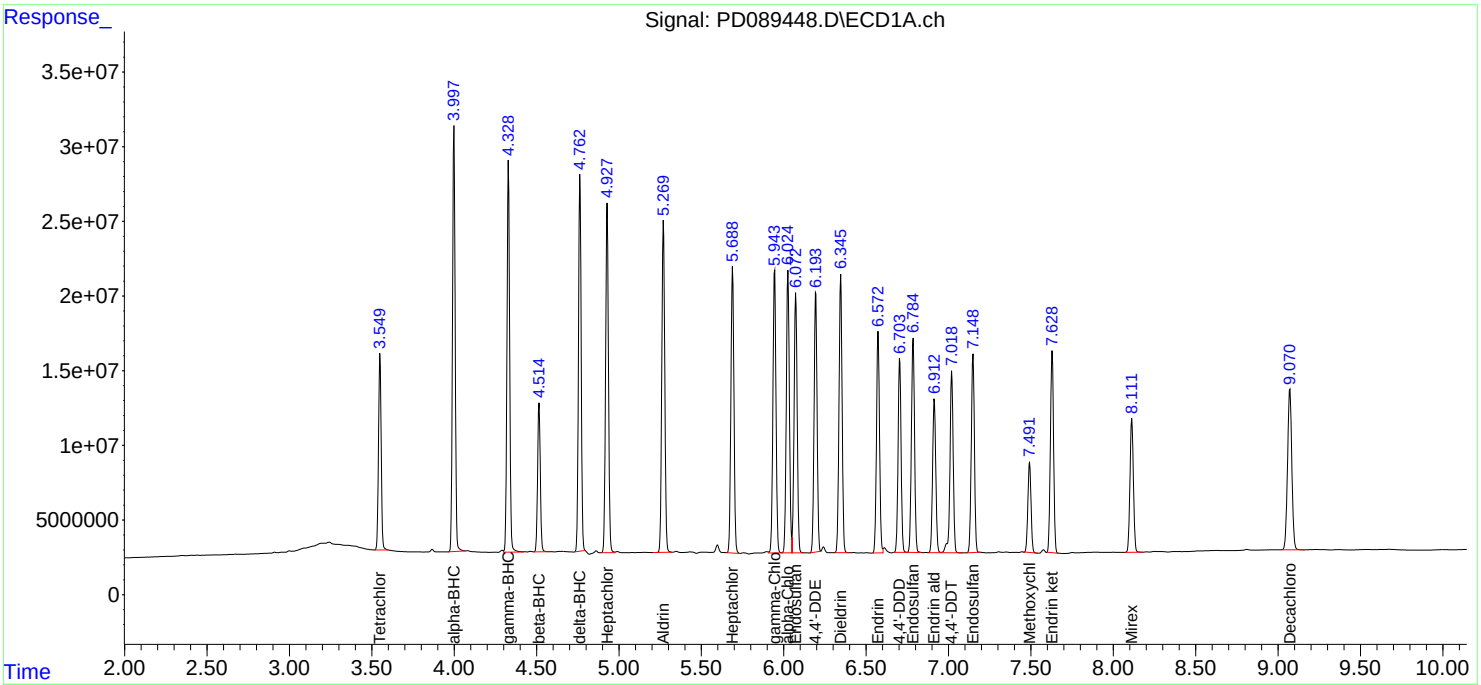
**Instrument :**
ECD_D
**ClientSampleId :**
PSTDCCC050

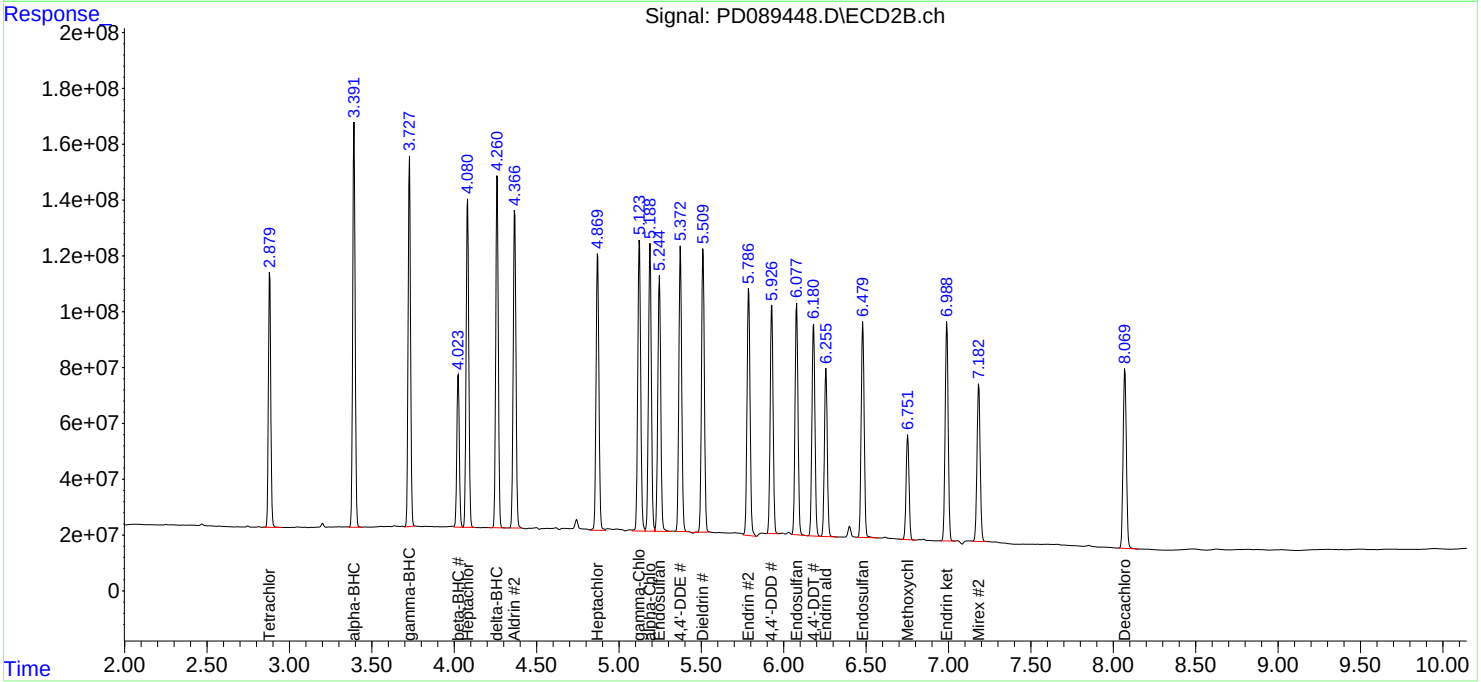
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 02:24:41 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.:** Q2543

**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 |

PEM

**Data File:** PD088991.D **Date Acquired** 6/17/2025 15:25

**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| **Name** | **RT** | **Response** | **Response [E+EA+EK]** | **Response [EA+EK]** | **% Break Down** Down |
|---|---|---|---|---|---|
| Endrin | 6.57 | 207333894.1 | 209255517.9 | 1921623.79 | **0.92** |
| Endrin aldehyde | 6.92 | 451112.312 | | | |
| Endrin ketone | 7.63 | 1470511.475 | | | |

Column #2

| **Name** | **RT** | **Response** | **Response [E+EA+EK]** | **Response [EA+EK]** | **% Break Down** |
|---|---|---|---|---|---|
| Endrin #2 | 5.79 | 1096382248 | 1116463040 | 20080792.5 | **1.80** |
| Endrin aldehyde #2 | 6.26 | 9421924.419 | | | |
| Endrin ketone #2 | 6.99 | 10658868.11 | | | |

**DDT BREAK DOWN**

Column #1

| **Name** | **RT** | **Response** | **Response [DDT+DDE+DDD** | **Response [DDE+DDD]** | **% Break Down** |
|---|---|---|---|---|---|
| 4,4'-DDT | 7.02 | 381930079.7 | 382533900.3 | 603820.602 | **0.16** |
| 4,4'-DDE | 0.00 | 0 | | | |
| 4,4'-DDD | 6.70 | 603820.602 | | | |

Column #2

| **Name** | **RT** | **Response** | **Response [DDT+DDE+DDD** | **Response [DDE+DDD]** | **% Break Down** |
|---|---|---|---|---|---|
| 4,4'-DDT #2 | 6.18 | 1948442735 | 1954044979 | 5602243.98 | **0.29** |
| 4,4'-DDE #2 | 0.00 | 0 | | | |
| 4,4'-DDD #2 | 5.93 | 5602243.978 | | | |

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.

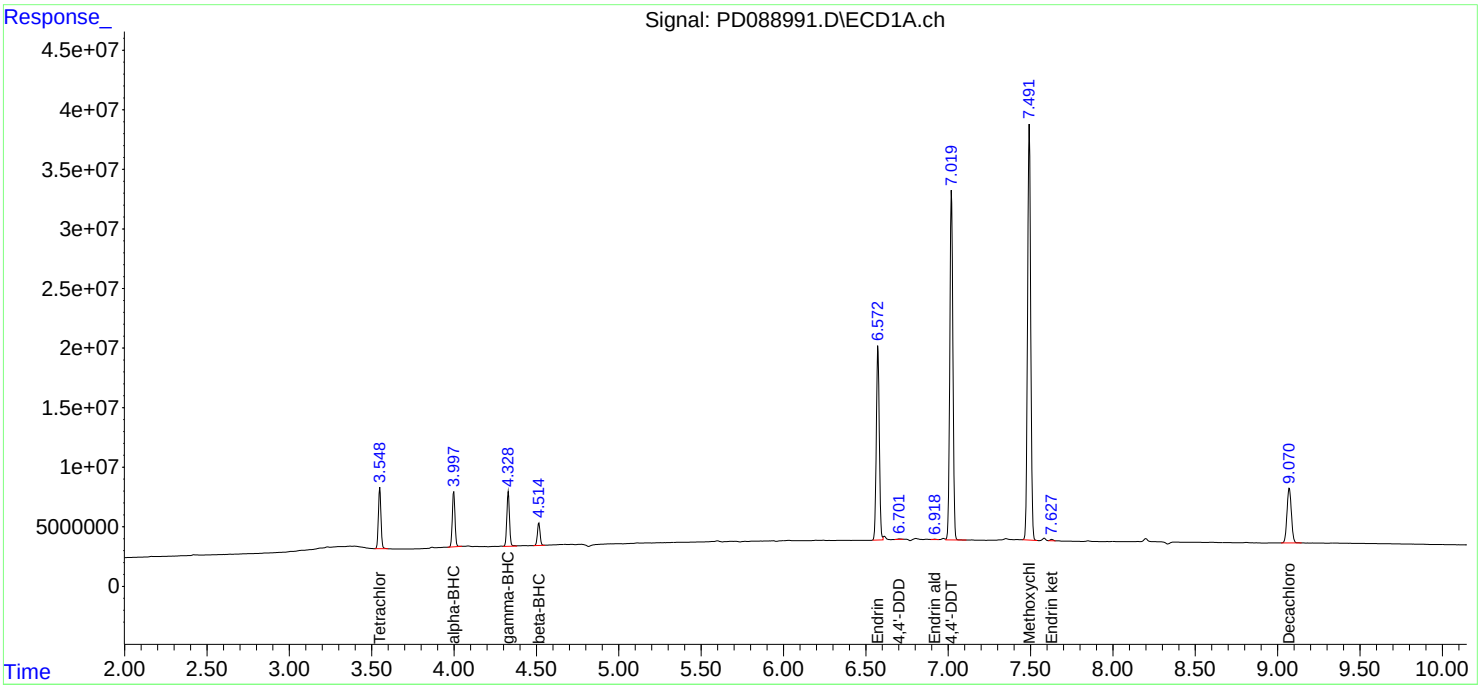
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

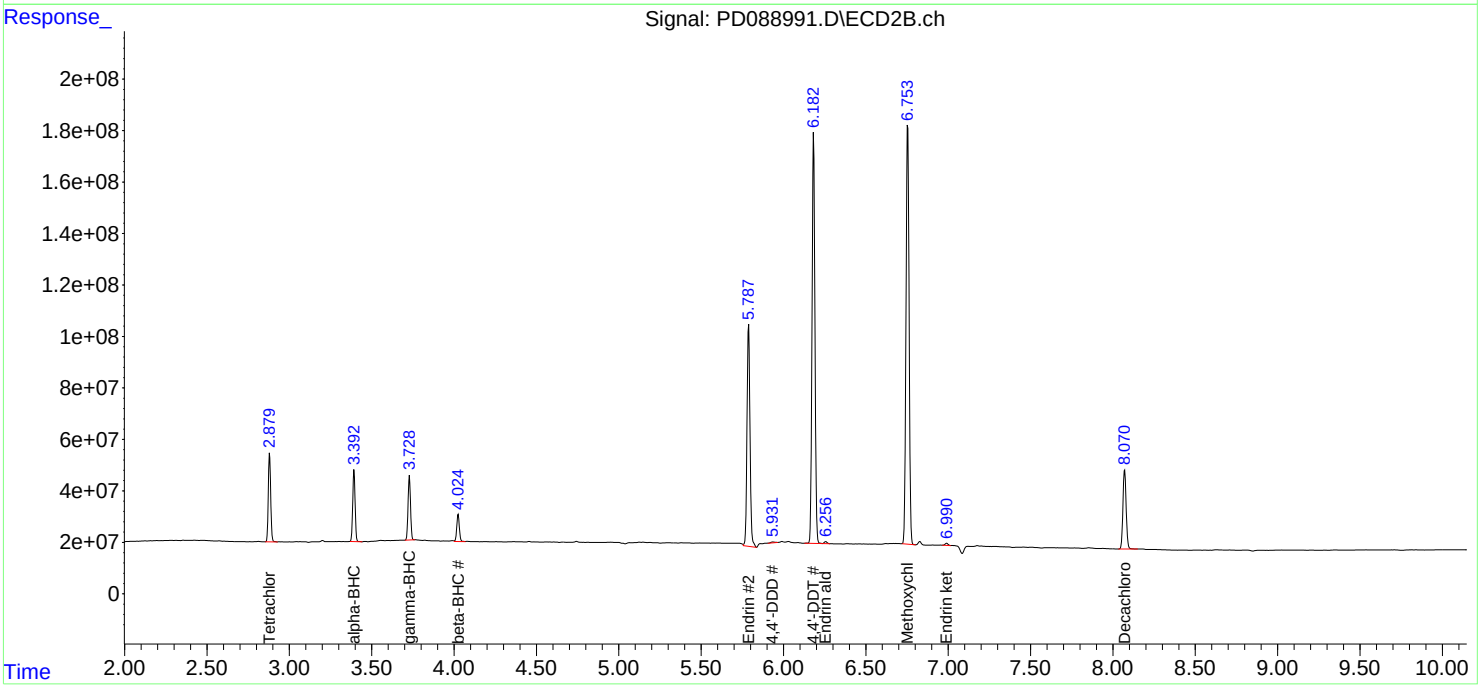
**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**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



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Fax : 908 789 8922

## PESTICIDE CALIBRATION VERIFICATION SUMMARY

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

**Lab Code:** ACE **SDG NO.:** Q2543

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

**Client Sample No. (PEM):** PEM - PD089428.D **Date Analyzed:** 07/10/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 10:27

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.072 | 8.970 | 9.170 | 22.230 | 20.000 | 11.2 |
| Tetrachloro-m-xylene | 3.550 | 3.500 | 3.600 | 21.150 | 20.000 | 5.8 |
| alpha-BHC | 3.999 | 3.950 | 4.050 | 9.910 | 10.000 | -0.9 |
| beta-BHC | 4.516 | 4.470 | 4.570 | 10.840 | 10.000 | 8.4 |
| gamma-BHC (Lindane) | 4.330 | 4.280 | 4.380 | 10.390 | 10.000 | 3.9 |
| Endrin | 6.574 | 6.500 | 6.640 | 51.910 | 50.000 | 3.8 |
| 4,4'-DDT | 7.021 | 6.950 | 7.090 | 104.610 | 100.000 | 4.6 |
| Methoxychlor | 7.493 | 7.420 | 7.560 | 235.400 | 250.000 | -5.8 |

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

**Client Sample No. (PEM):** PEM - PD089428.D **Date Analyzed:** 07/10/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 10:27

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.070 | 7.970 | 8.170 | 23.690 | 20.000 | 18.5 |
| Tetrachloro-m-xylene | 2.880 | 2.830 | 2.930 | 23.410 | 20.000 | 17.1 |
| alpha-BHC | 3.392 | 3.340 | 3.440 | 12.350 | 10.000 | 23.5 |
| beta-BHC | 4.024 | 3.970 | 4.070 | 12.390 | 10.000 | 23.9 |
| gamma-BHC (Lindane) | 3.727 | 3.680 | 3.780 | 12.180 | 10.000 | 21.8 |
| Endrin | 5.788 | 5.720 | 5.860 | 53.360 | 50.000 | 6.7 |
| 4,4'-DDT | 6.182 | 6.110 | 6.250 | 105.390 | 100.000 | 5.4 |
| Methoxychlor | 6.752 | 6.680 | 6.820 | 210.190 | 250.000 | -15.9 |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 10:27
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:56:27 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... | 3.550 | 2.880 | 60333136 | 396.9E6 | 21.146 | 23.412 | |
| 28) | SA Decachlor... | 9.072 | 8.070 | 87326395 | 468.3E6 | 22.234 | 23.687 | |
| | Target Compounds | | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.392 | 57790164 | 330.8E6 | 9.914 | 12.346 | |
| 3) | MA gamma-BHC... | 4.330 | 3.727 | 57965994 | 301.6E6 | 10.385 | 12.183m | |
| 6) | B beta-BHC | 4.516 | 4.024 | 23926692 | 133.1E6 | 10.841 | 12.387 | |
| 12) | B 4,4'-DDE | 6.195 | 5.374 | 475955 | 2778864 | 0.109m | 0.121 | |
| 14) | MA Endrin | 6.574 | 5.788 | 214.1E6 | 1158.7E6 | 51.905 | 53.360 | |
| 16) | A 4,4'-DDD | 6.704 | 5.928 | 5764856 | 39848757 | 1.680 | 2.083 | |
| 17) | MA 4,4'-DDT | 7.021 | 6.182 | 396.3E6 | 2137.2E6 | 104.606 | 105.386 | |
| 18) | B Endrin al... | 6.915 | 6.256 | 1755235 | 18087235 | 0.573 | 1.181 | # |
| 20) | A Methoxychlor | 7.493 | 6.752 | 475.7E6 | 2263.3E6 | 235.405 | 210.186 | |
| 21) | B Endrin ke... | 7.629 | 6.989 | 4908365 | 48428531 | 1.205 | 2.242 | # |

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

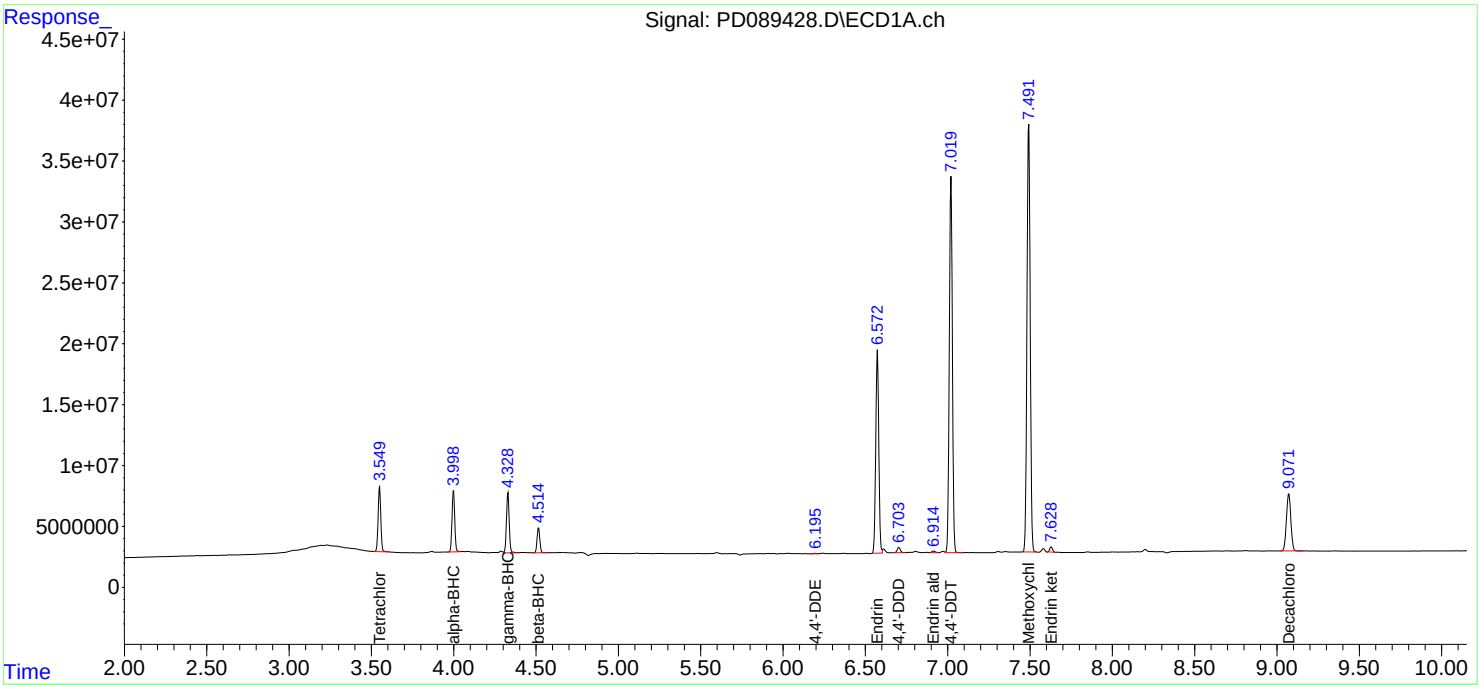
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 10:27
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

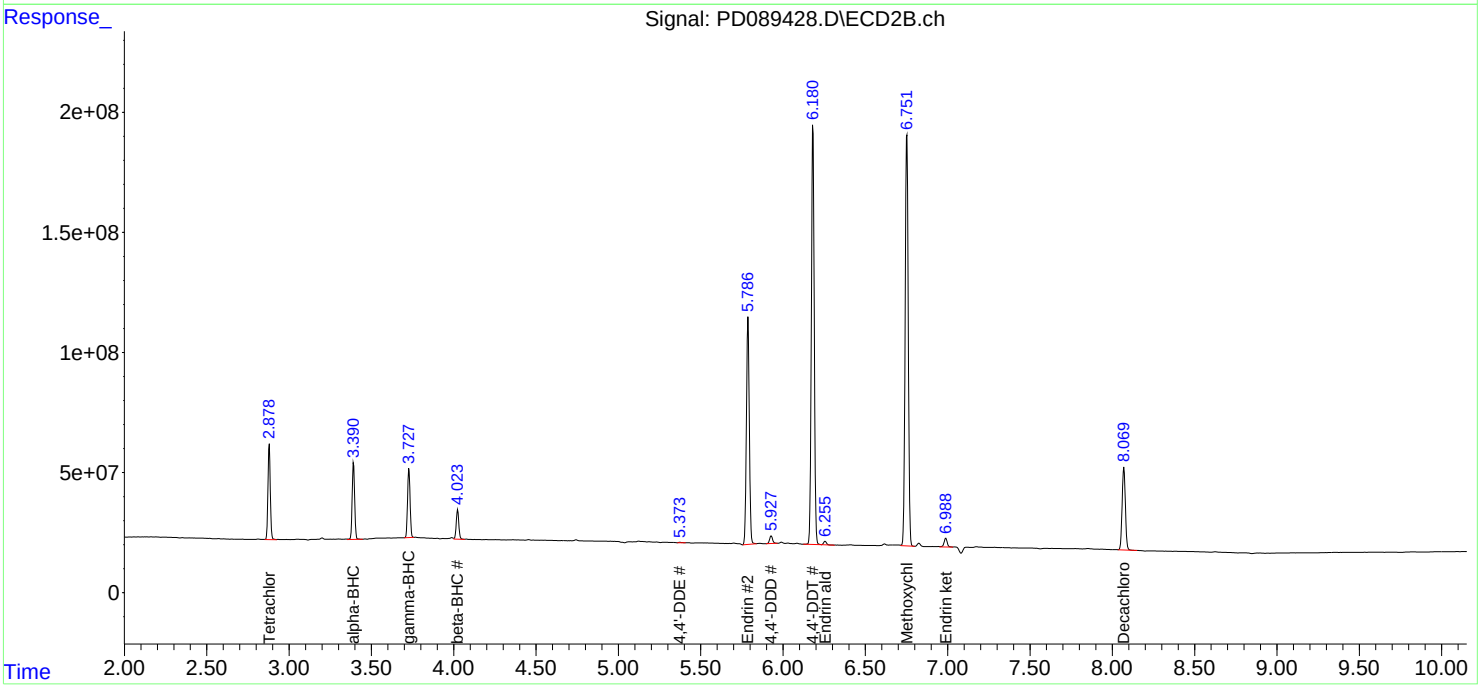
**Instrument :**
ECD_D
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:56:27 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



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Fax : 908 789 8922

# Analytical Sequence

**Client:** CDM Smith **SDG No.:** Q2543

**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 |
| PEM | PEM | 07/10/2025 | 10:27 | PD089428.D | 9.07 | 3.55 |
| I.BLK | I.BLK | 07/10/2025 | 12:16 | PD089431.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/10/2025 | 12:30 | PD089432.D | 9.07 | 3.55 |
| PB168784BL | PB168784BL | 07/10/2025 | 13:31 | PD089433.D | 9.08 | 3.56 |
| PB168784BS | PB168784BS | 07/10/2025 | 14:02 | PD089434.D | 9.08 | 3.55 |
| TP-41 | Q2543-01 | 07/10/2025 | 15:09 | PD089438.D | 9.07 | 3.55 |
| TP-49 | Q2543-02 | 07/10/2025 | 15:23 | PD089439.D | 9.07 | 3.55 |
| TP-23 | Q2543-03 | 07/10/2025 | 15:37 | PD089440.D | 9.07 | 3.55 |
| TP-23MS | Q2543-03MS | 07/10/2025 | 15:50 | PD089441.D | 9.07 | 3.55 |
| TP-23MSD | Q2543-03MSD | 07/10/2025 | 16:04 | PD089442.D | 9.07 | 3.55 |
| TP-23-99 | Q2543-04 | 07/10/2025 | 16:17 | PD089443.D | 9.07 | 3.55 |
| I.BLK | I.BLK | 07/10/2025 | 17:12 | PD089447.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 07/10/2025 | 19:03 | PD089448.D | 9.07 | 3.55 |

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Fax : 908 789 8922

# Analytical Sequence

**Client:** CDM Smith **SDG No.:** Q2543

**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 |
| PEM | PEM | 07/10/2025 | 10:27 | PD089428.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/10/2025 | 12:16 | PD089431.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/10/2025 | 12:30 | PD089432.D | 8.07 | 2.88 |
| PB168784BL | PB168784BL | 07/10/2025 | 13:31 | PD089433.D | 8.07 | 2.88 |
| PB168784BS | PB168784BS | 07/10/2025 | 14:02 | PD089434.D | 8.07 | 2.88 |
| TP-41 | Q2543-01 | 07/10/2025 | 15:09 | PD089438.D | 8.07 | 2.88 |
| TP-49 | Q2543-02 | 07/10/2025 | 15:23 | PD089439.D | 8.07 | 2.88 |
| TP-23 | Q2543-03 | 07/10/2025 | 15:37 | PD089440.D | 8.07 | 2.88 |
| TP-23MS | Q2543-03MS | 07/10/2025 | 15:50 | PD089441.D | 8.07 | 2.88 |
| TP-23MSD | Q2543-03MSD | 07/10/2025 | 16:04 | PD089442.D | 8.07 | 2.88 |
| TP-23-99 | Q2543-04 | 07/10/2025 | 16:17 | PD089443.D | 8.07 | 2.88 |
| I.BLK | I.BLK | 07/10/2025 | 17:12 | PD089447.D | 8.07 | 2.88 |
| PSTDCCC050 | PSTDCCC050 | 07/10/2025 | 19:03 | PD089448.D | 8.07 | 2.88 |

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Fax : 908 789 8922

## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168784BS**

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

**Lab Code:** ACE **SDG NO.:** Q2543

**Lab Sample ID:** PB168784BS **Date(s) Analyzed:** 07/10/2025 07/10/2025

**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 | 16.1 | 5.4 |
| | 2 | 5.93 | 5.88 | 5.98 | 17.0 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 15.6 | 7.4 |
| | 2 | 5.37 | 5.32 | 5.42 | 16.8 | |
| 4,4'-DDT | 1 | 7.03 | 6.98 | 7.08 | 15.4 | 5.1 |
| | 2 | 6.18 | 6.13 | 6.23 | 16.2 | |
| alpha-BHC | 1 | 4.00 | 3.95 | 4.05 | 15.5 | 7.5 |
| | 2 | 3.39 | 3.34 | 3.44 | 16.7 | |
| Aldrin | 1 | 5.28 | 5.23 | 5.33 | 15.7 | 6.8 |
| | 2 | 4.37 | 4.32 | 4.42 | 16.8 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 15.7 | 6.2 |
| | 2 | 5.19 | 5.14 | 5.24 | 16.7 | |
| Endosulfan II | 1 | 6.79 | 6.74 | 6.84 | 16.0 | 4.3 |
| | 2 | 6.08 | 6.03 | 6.13 | 16.7 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 15.7 | 6.2 |
| | 2 | 6.48 | 6.43 | 6.53 | 16.7 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 15.0 | 9.5 |
| | 2 | 4.02 | 3.97 | 4.07 | 16.5 | |
| delta-BHC | 1 | 4.77 | 4.72 | 4.82 | 16.7 | 0.6 |
| | 2 | 4.26 | 4.21 | 4.31 | 16.8 | |
| Endosulfan I | 1 | 6.08 | 6.03 | 6.13 | 15.7 | 8 |
| | 2 | 5.25 | 5.20 | 5.30 | 17.0 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 15.9 | 5.5 |
| | 2 | 5.51 | 5.46 | 5.56 | 16.8 | |
| Endrin aldehyde | 1 | 6.92 | 6.87 | 6.97 | 15.7 | 5 |
| | 2 | 6.26 | 6.21 | 6.31 | 16.5 | |
| Methoxychlor | 1 | 7.50 | 7.45 | 7.55 | 14.8 | 5.3 |
| | 2 | 6.75 | 6.70 | 6.80 | 15.6 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB168784BS**

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

**Lab Code:** ACE **SDG NO.:** Q2543

**Lab Sample ID:** PB168784BS **Date(s) Analyzed:** 07/10/2025 07/10/2025

**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 ketone | 1 | 7.63 | 7.58 | 7.68 | 16.1 | 6.6 |
| | 2 | 6.99 | 6.94 | 7.04 | 17.2 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 15.5 | 8 |
| | 2 | 3.73 | 3.68 | 3.78 | 16.8 | |
| Heptachlor | 1 | 4.93 | 4.88 | 4.98 | 15.7 | 4.4 |
| | 2 | 4.08 | 4.03 | 4.13 | 16.4 | |
| Heptachlor epoxide | 1 | 5.70 | 5.65 | 5.75 | 15.5 | 9.2 |
| | 2 | 4.87 | 4.82 | 4.92 | 17.0 | |
| gamma-Chlordane | 1 | 5.95 | 5.90 | 6.00 | 15.8 | 5.5 |
| | 2 | 5.12 | 5.07 | 5.17 | 16.7 | |
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 14.9 | 5.9 |
| | 2 | 5.79 | 5.74 | 5.84 | 15.8 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-23MS**

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

**Lab Code:** ACE **SDG NO.:** Q2543

**Lab Sample ID:** Q2543-03MS **Date(s) Analyzed:** 07/10/2025 07/10/2025

**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 | 14.1 | 6.8 |
| | 2 | 6.08 | 6.03 | 6.13 | 15.1 | |
| 4,4'-DDD | 1 | 6.70 | 6.65 | 6.75 | 14.3 | 4.8 |
| | 2 | 5.93 | 5.88 | 5.98 | 15.0 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 13.3 | 5.8 |
| | 2 | 6.18 | 6.13 | 6.23 | 14.1 | |
| Endrin aldehyde | 1 | 6.91 | 6.86 | 6.96 | 14.4 | 1.4 |
| | 2 | 6.26 | 6.21 | 6.31 | 14.6 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 13.6 | 5.7 |
| | 2 | 6.48 | 6.43 | 6.53 | 14.4 | |
| Methoxychlor | 1 | 7.49 | 7.44 | 7.54 | 12.5 | 3.9 |
| | 2 | 6.75 | 6.70 | 6.80 | 13.0 | |
| Endrin ketone | 1 | 7.63 | 7.58 | 7.68 | 14.0 | 7.4 |
| | 2 | 6.99 | 6.94 | 7.04 | 13.0 | |
| alpha-BHC | 1 | 4.00 | 3.95 | 4.05 | 17.2 | 7.3 |
| | 2 | 3.39 | 3.34 | 3.44 | 18.5 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 16.9 | 8.5 |
| | 2 | 3.73 | 3.68 | 3.78 | 18.4 | |
| Heptachlor | 1 | 4.93 | 4.88 | 4.98 | 15.7 | 11.4 |
| | 2 | 4.08 | 4.03 | 4.13 | 17.6 | |
| Aldrin | 1 | 5.27 | 5.22 | 5.32 | 16.3 | 10.5 |
| | 2 | 4.37 | 4.32 | 4.42 | 18.1 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 16.0 | 11.2 |
| | 2 | 4.02 | 3.97 | 4.07 | 17.9 | |
| delta-BHC | 1 | 4.76 | 4.71 | 4.81 | 16.9 | 6.9 |
| | 2 | 4.26 | 4.21 | 4.31 | 18.1 | |
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 15.1 | 15.9 |
| | 2 | 4.87 | 4.82 | 4.92 | 17.7 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-23MS**

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

**Lab Code:** ACE **SDG NO.:** Q2543

**Lab Sample ID:** Q2543-03MS **Date(s) Analyzed:** 07/10/2025 07/10/2025

**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 | 14.9 | 13.8 |
| | 2 | 5.25 | 5.20 | 5.30 | 17.1 | |
| gamma-Chlordane | 1 | 5.95 | 5.90 | 6.00 | 14.8 | 13.8 |
| | 2 | 5.12 | 5.07 | 5.17 | 17.0 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 14.8 | 13.2 |
| | 2 | 5.19 | 5.14 | 5.24 | 16.9 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 14.7 | 12.7 |
| | 2 | 5.37 | 5.32 | 5.42 | 16.7 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 14.7 | 12.7 |
| | 2 | 5.51 | 5.46 | 5.56 | 16.7 | |
| Endrin | 1 | 6.57 | 6.52 | 6.62 | 13.5 | 15.1 |
| | 2 | 5.79 | 5.74 | 5.84 | 15.7 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-23MSD**

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

**Lab Code:** ACE **SDG NO.:** Q2543

**Lab Sample ID:** Q2543-03MSD **Date(s) Analyzed:** 07/10/2025 07/10/2025

**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 | 15.0 | 4.6 |
| | 2 | 5.93 | 5.88 | 5.98 | 15.7 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 13.5 | 7.1 |
| | 2 | 6.18 | 6.13 | 6.23 | 14.5 | |
| alpha-BHC | 1 | 4.00 | 3.95 | 4.05 | 17.4 | 6.1 |
| | 2 | 3.39 | 3.34 | 3.44 | 18.5 | |
| Aldrin | 1 | 5.27 | 5.22 | 5.32 | 16.4 | 11.5 |
| | 2 | 4.37 | 4.32 | 4.42 | 18.4 | |
| alpha-Chlordane | 1 | 6.03 | 5.98 | 6.08 | 15.5 | 12.1 |
| | 2 | 5.19 | 5.14 | 5.24 | 17.5 | |
| 4,4'-DDE | 1 | 6.20 | 6.15 | 6.25 | 15.1 | 11.8 |
| | 2 | 5.37 | 5.32 | 5.42 | 17.0 | |
| Endosulfan II | 1 | 6.79 | 6.74 | 6.84 | 13.8 | 12.2 |
| | 2 | 6.08 | 6.03 | 6.13 | 15.6 | |
| Endrin aldehyde | 1 | 6.91 | 6.86 | 6.96 | 14.2 | 6.1 |
| | 2 | 6.26 | 6.21 | 6.31 | 15.1 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 14.2 | 6.1 |
| | 2 | 6.48 | 6.43 | 6.53 | 15.1 | |
| Methoxychlor | 1 | 7.49 | 7.44 | 7.54 | 12.8 | 3.1 |
| | 2 | 6.75 | 6.70 | 6.80 | 13.2 | |
| Endrin ketone | 1 | 7.63 | 7.58 | 7.68 | 13.8 | 2.2 |
| | 2 | 6.99 | 6.94 | 7.04 | 14.1 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 17.4 | 5.6 |
| | 2 | 3.73 | 3.68 | 3.78 | 18.4 | |
| Heptachlor | 1 | 4.93 | 4.88 | 4.98 | 16.0 | 9.5 |
| | 2 | 4.08 | 4.03 | 4.13 | 17.6 | |
| beta-BHC | 1 | 4.52 | 4.47 | 4.57 | 16.7 | 6.9 |
| | 2 | 4.02 | 3.97 | 4.07 | 17.9 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**TP-23MSD**

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

**Lab Code:** ACE **SDG NO.:** Q2543

**Lab Sample ID:** Q2543-03MSD **Date(s) Analyzed:** 07/10/2025 07/10/2025

**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 | 4.76 | 4.71 | 4.81 | 17.8 | 3.3 |
| | 2 | 4.26 | 4.21 | 4.31 | 18.4 | |
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 16.2 | 12.7 |
| | 2 | 4.87 | 4.82 | 4.92 | 18.4 | |
| Endosulfan I | 1 | 6.07 | 6.02 | 6.12 | 15.4 | 13.3 |
| | 2 | 5.25 | 5.20 | 5.30 | 17.6 | |
| gamma-Chlordane | 1 | 5.95 | 5.90 | 6.00 | 15.6 | 12.6 |
| | 2 | 5.12 | 5.07 | 5.17 | 17.7 | |
| Dieldrin | 1 | 6.35 | 6.30 | 6.40 | 15.2 | 10.6 |
| | 2 | 5.51 | 5.46 | 5.56 | 16.9 | |
| Endrin | 1 | 6.57 | 6.52 | 6.62 | 14.7 | 10.3 |
| | 2 | 5.79 | 5.74 | 5.84 | 16.3 | |

# QC SAMPLE DATA

Raw Data: **PD089433.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | PB168784BL | SDG No.: | Q2543 |
| Lab Sample ID: | PB168784BL | 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 |
|---|---|---|---|---|
| PD089433.D | 1 | 07/10/25 08:35 | 07/10/25 13:31 | PB168784 |

| 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 | 21.4 | | 20 - 144 | 107% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.0 | | 19 - 148 | 105% | SPK: 20 |

Raw Data: **PD089433.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: | PB168784BL | SDG No.: | Q2543 |
| Lab Sample ID: | PB168784BL | 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 |
|---|---|---|---|---|
| PD089433.D | 1 | 07/10/25 08:35 | 07/10/25 13:31 | PB168784 |

| 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: **PD089433.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 13:31
Operator : AR\AJ
Sample : PB168784BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB168784BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:58:35 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... | 3.556 | 2.879 | 50468467 | 355.6E6 | 17.689 | 20.978 |
| 28) | SA Decachlor... | 9.082 | 8.072 | 78732158 | 423.2E6 | 20.046 | 21.406 |
| | Target Compounds | | | | | | |

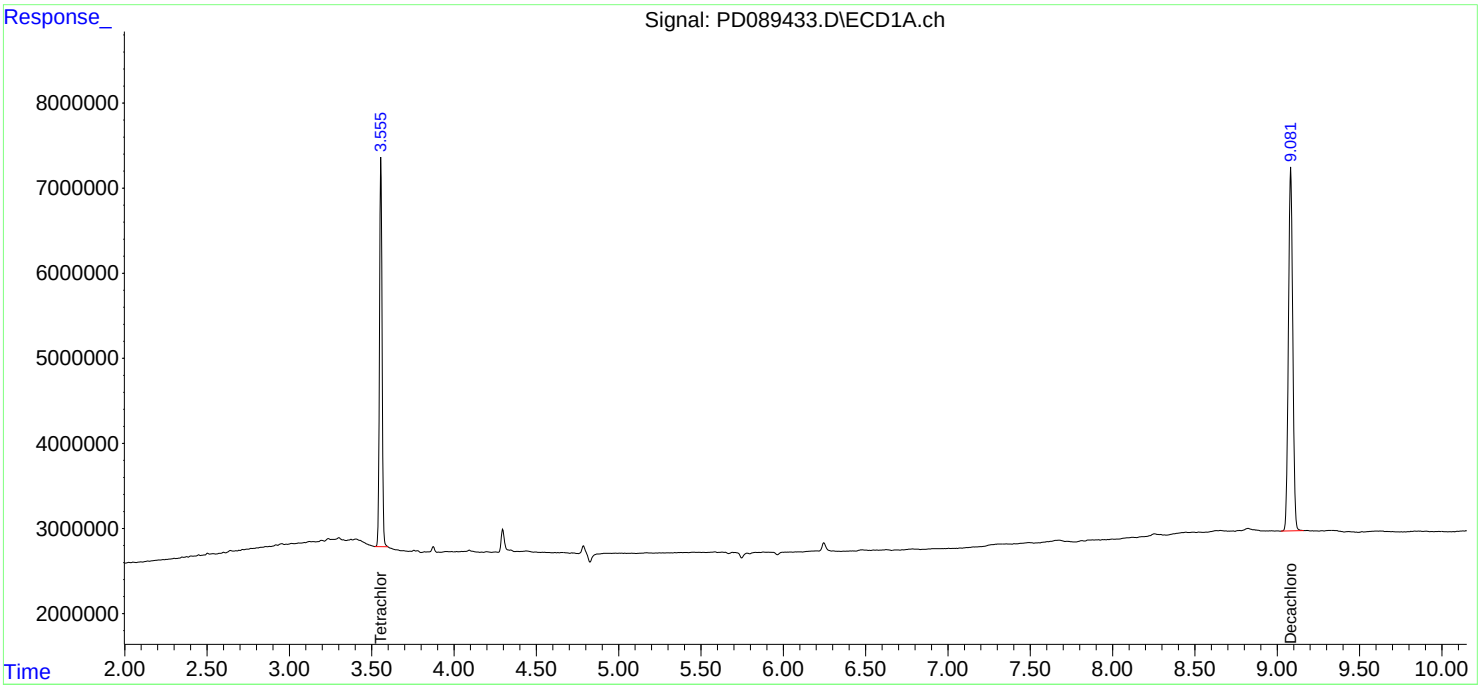
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

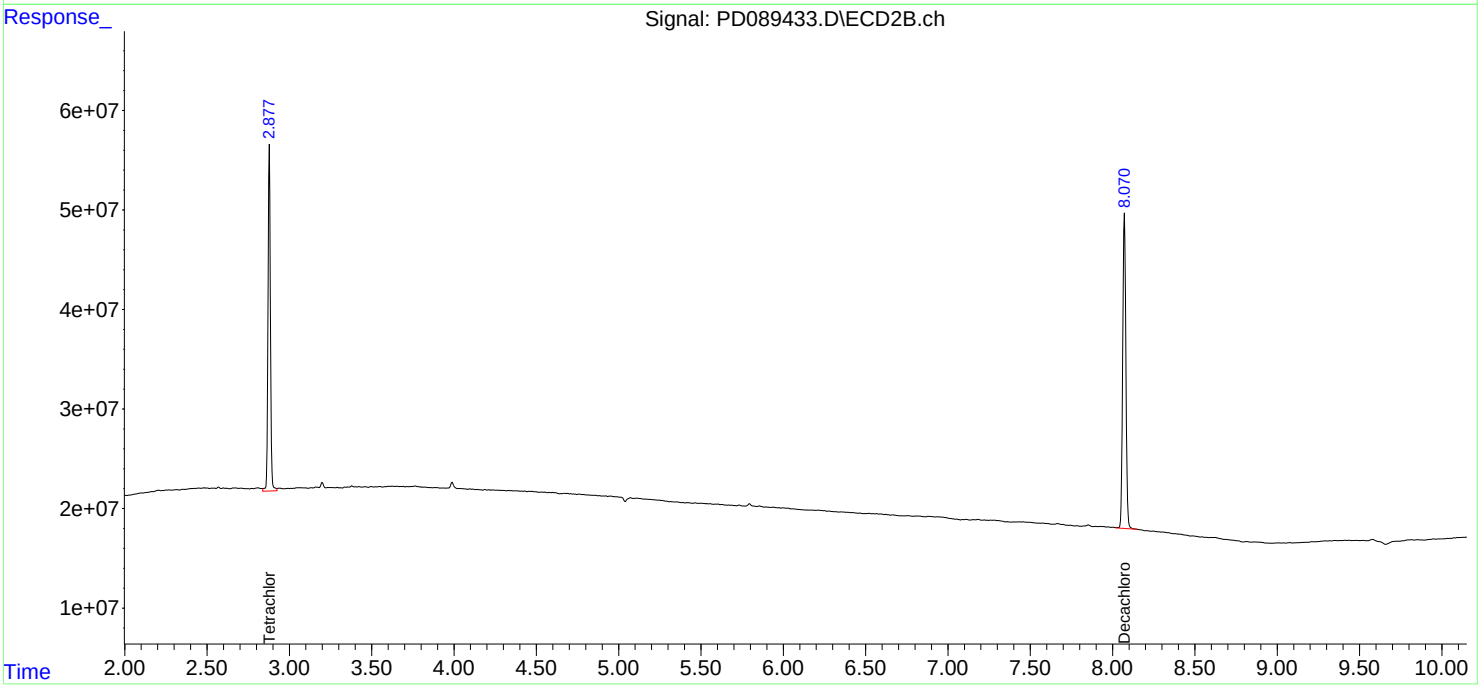
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 13:31
Operator : AR\AJ
Sample : PB168784BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

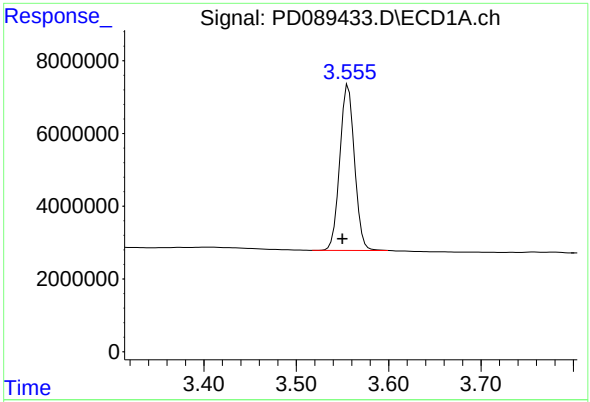
**Instrument :**
ECD_D
**ClientSampleId :**
PB168784BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:58:35 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



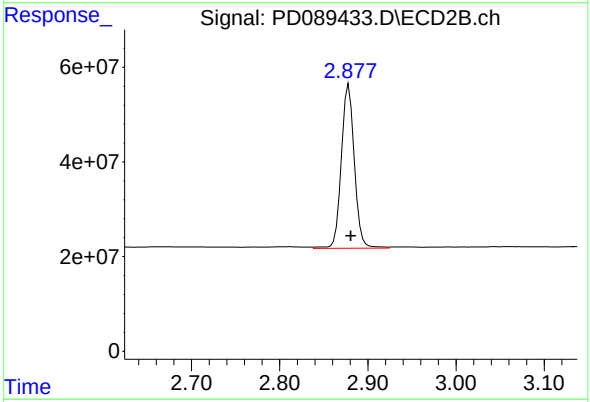






#1 Tetrachloro-m-xylene

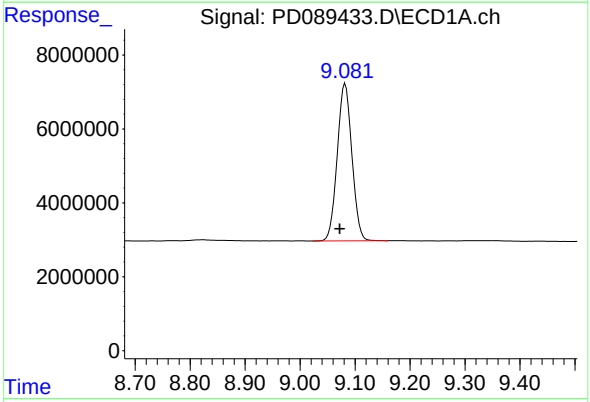
R.T.: 3.556 min
Delta R.T.: 0.006 min
Response: 50468467
Conc: 17.69 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
PB168784BL



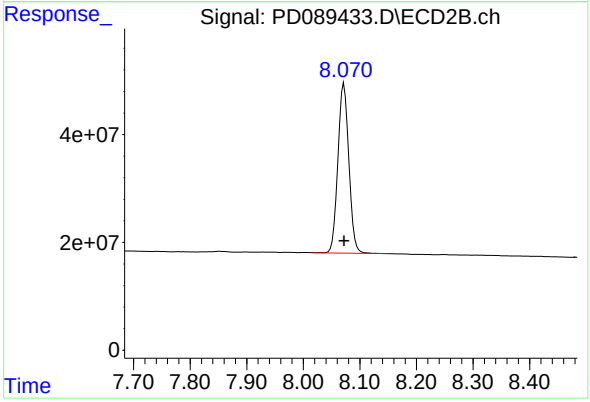

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 355637435
Conc: 20.98 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.010 min
Response: 78732158
Conc: 20.05 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 423203917
Conc: 21.41 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.: | Q2543 |
| 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**

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.: | Q2543 |
| 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 | | | | | | |

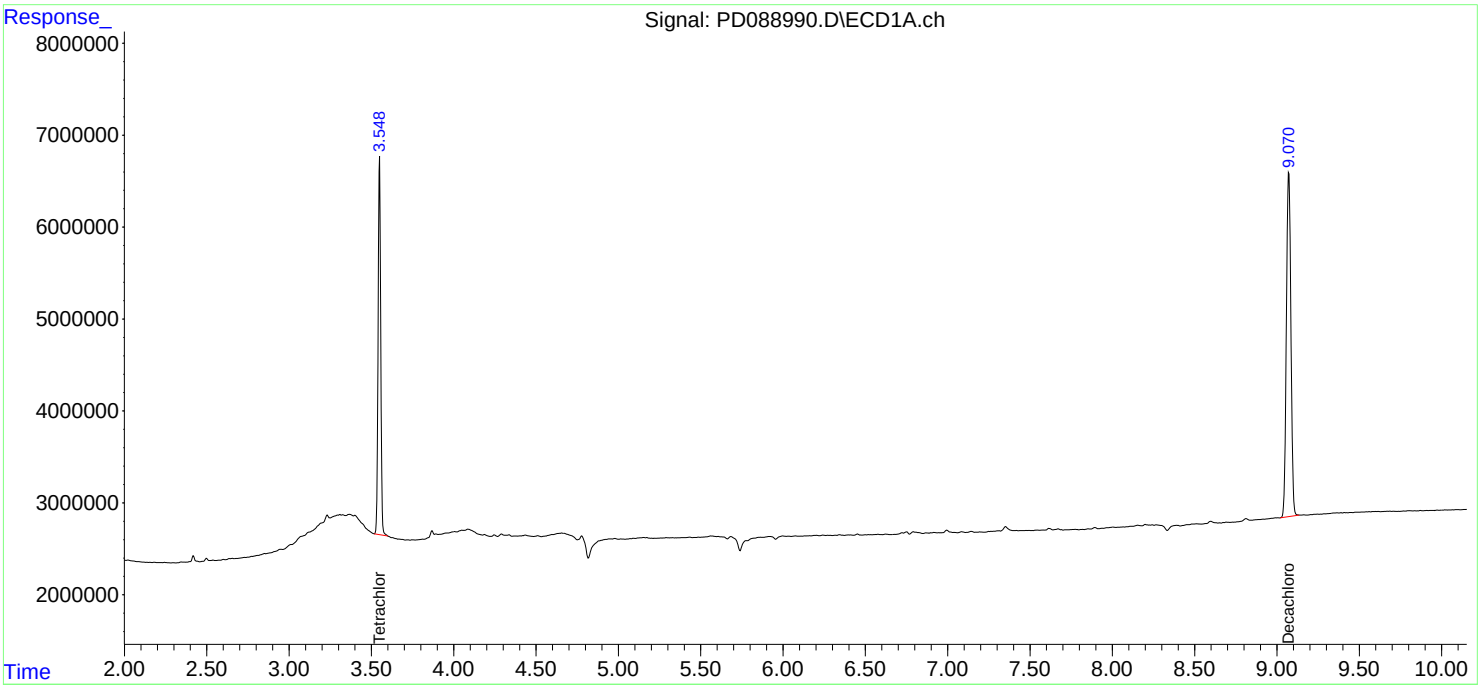
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

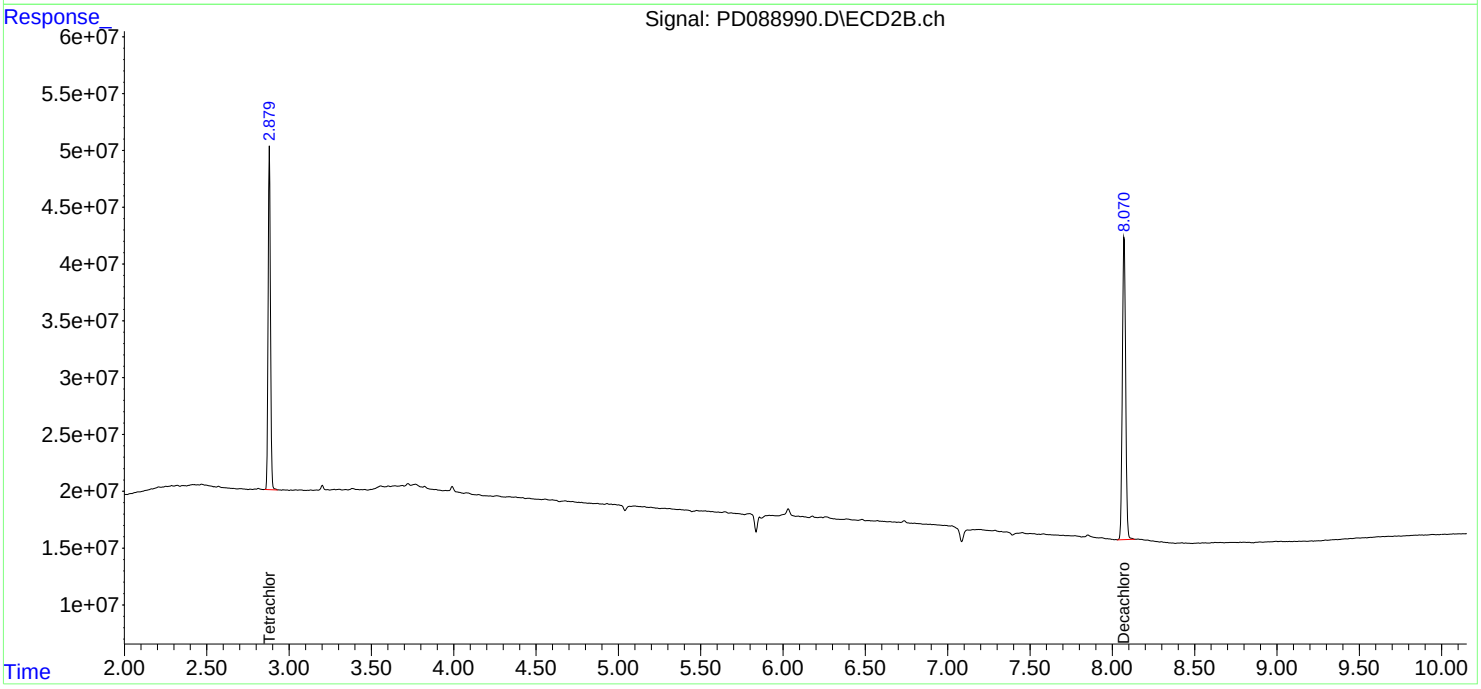
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

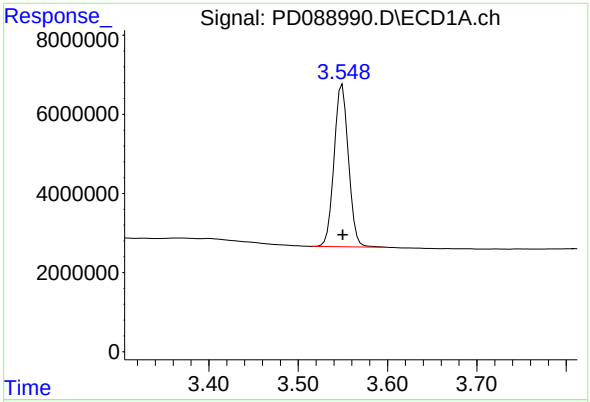
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

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



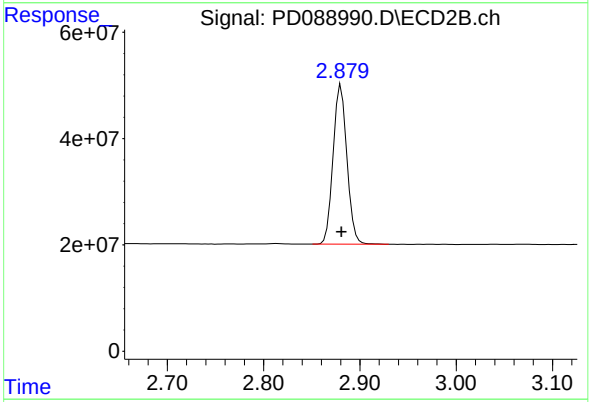






#1 Tetrachloro-m-xylene

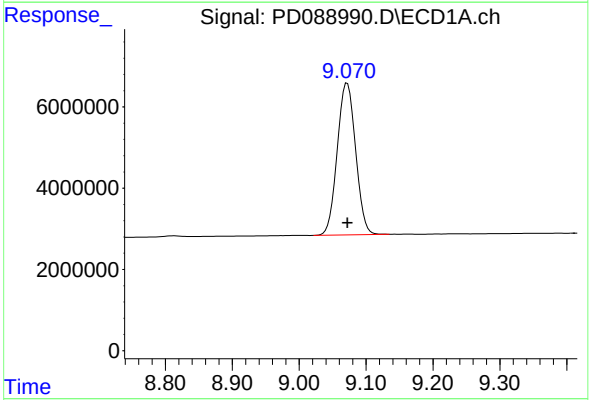
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



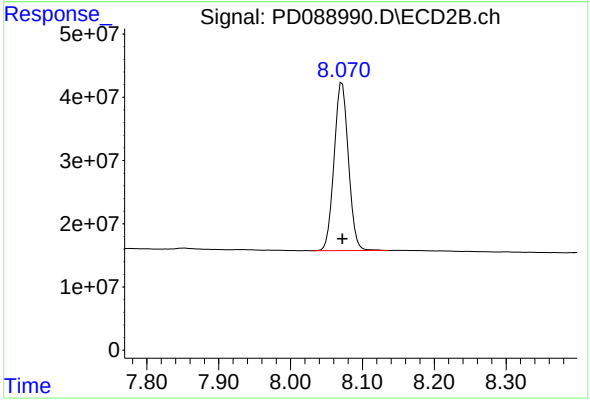

#1 Tetrachloro-m-xylene

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: **PD089431.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: | 07/10/25 |
| Project: | South River WM Replacement | Date Received: | 07/10/25 |
| Client Sample ID: | PIBLK-PD089431.D | SDG No.: | Q2543 |
| Lab Sample ID: | I.BLK-PD089431.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 |
|---|---|---|---|---|
| PD089431.D | 1 | | 07/10/25 | PD071025 |

| 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 | 23.9 | | 57 - 171 | 119% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 22.0 | | 61 - 148 | 110% | SPK: 20 |

Raw Data: **PD089431.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: | 07/10/25 |
| Project: | South River WM Replacement | Date Received: | 07/10/25 |
| Client Sample ID: | PIBLK-PD089431.D | SDG No.: | Q2543 |
| Lab Sample ID: | I.BLK-PD089431.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 |
|---|---|---|---|---|
| PD089431.D | 1 | | 07/10/25 | PD071025 |

| 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: **PD089431.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 12:16
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 10 22:57:48 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... | 3.549 | 2.879 | 54682959 | 373.0E6 | 19.166 | 22.004 |
| 28) | SA Decachlor... | 9.071 | 8.070 | 82017891 | 472.5E6 | 20.882 | 23.899 |
| | Target Compounds | | | | | | |

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

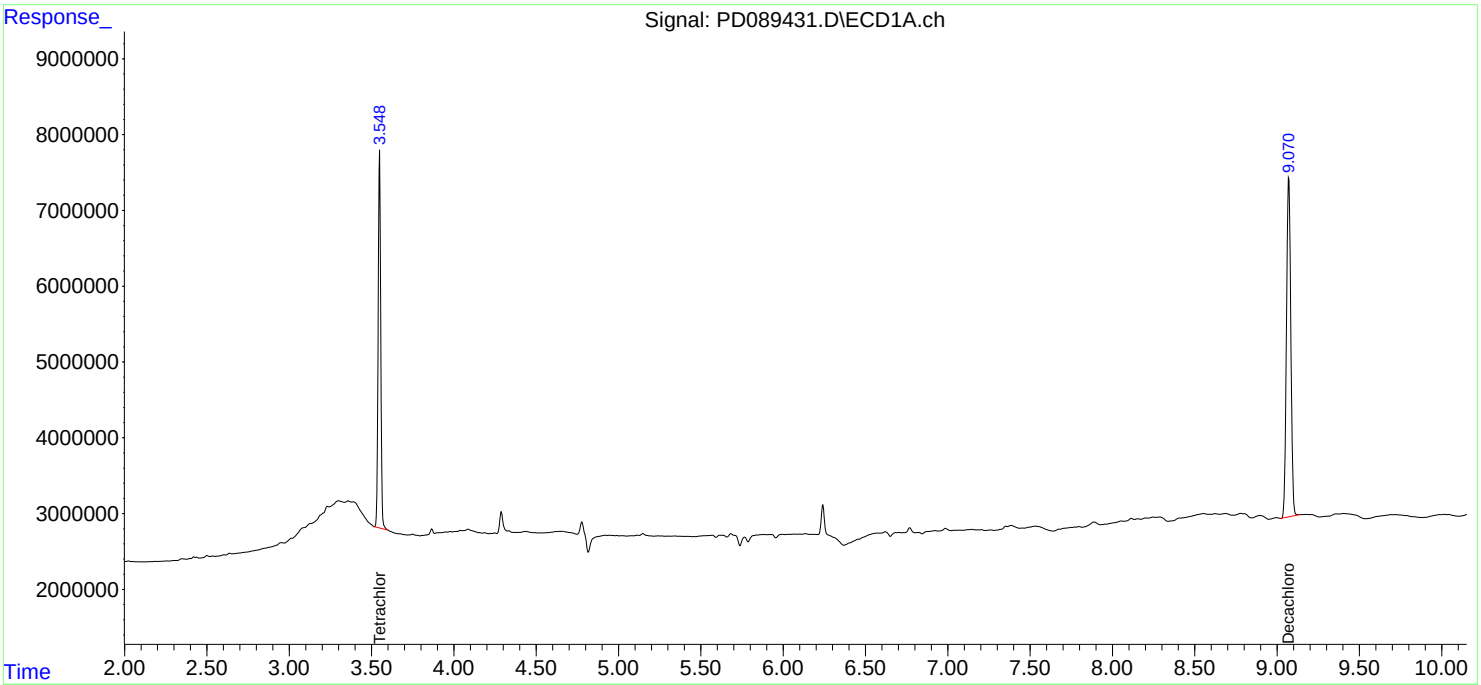
Sample Results: **PD089431.D**

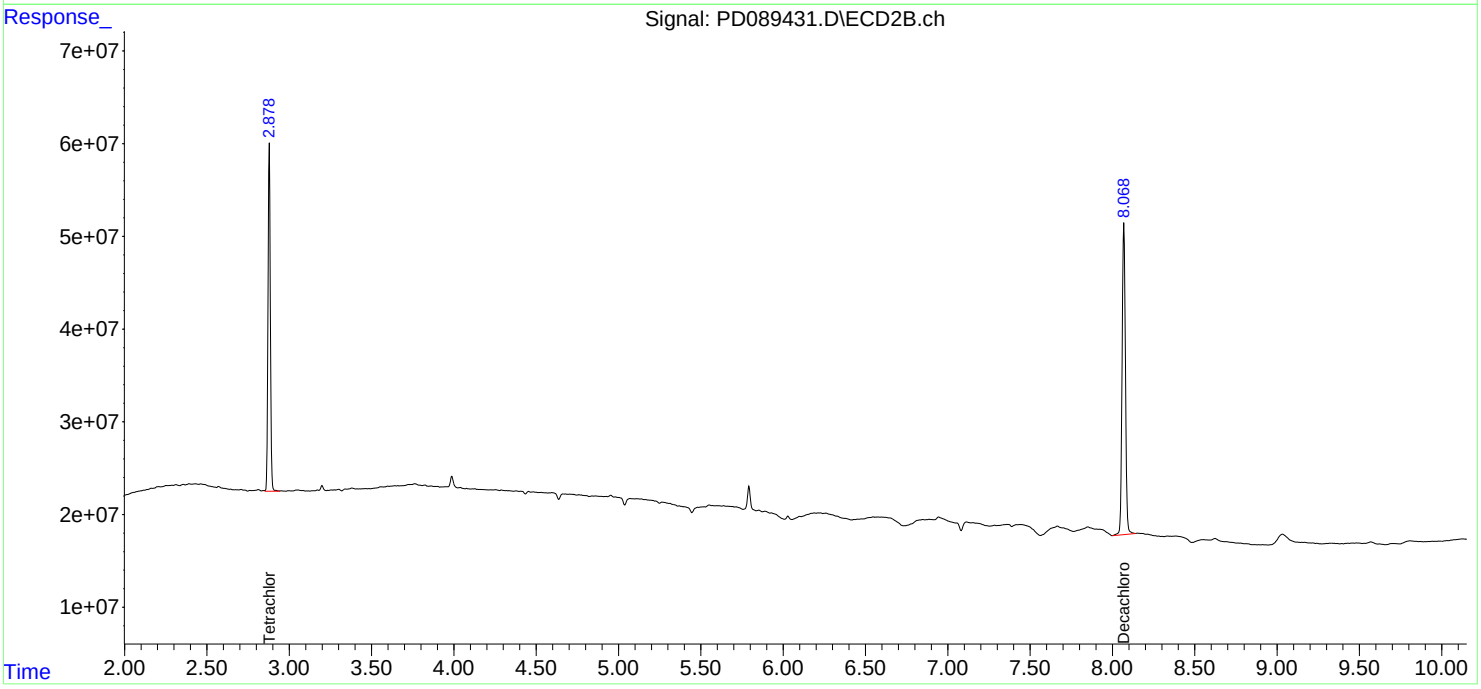
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 12:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

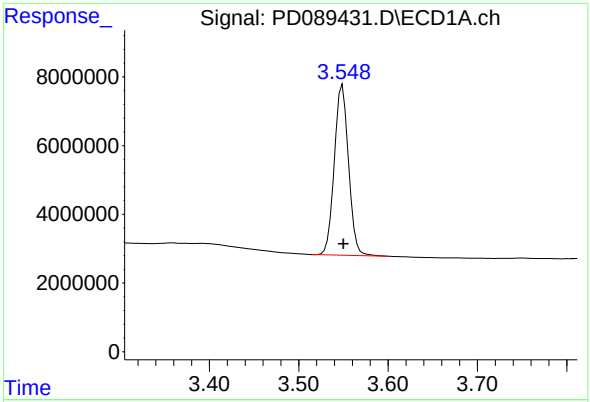
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:57:48 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



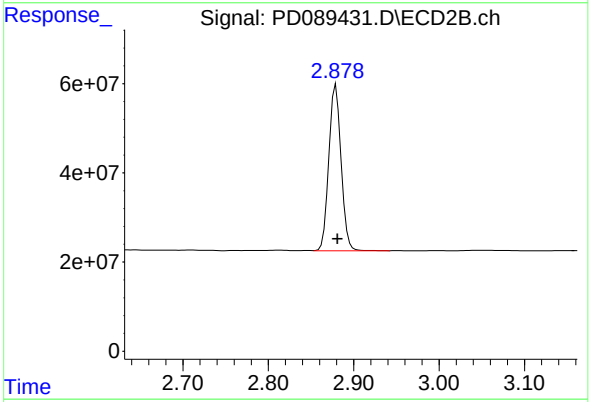






#1 Tetrachloro-m-xylene

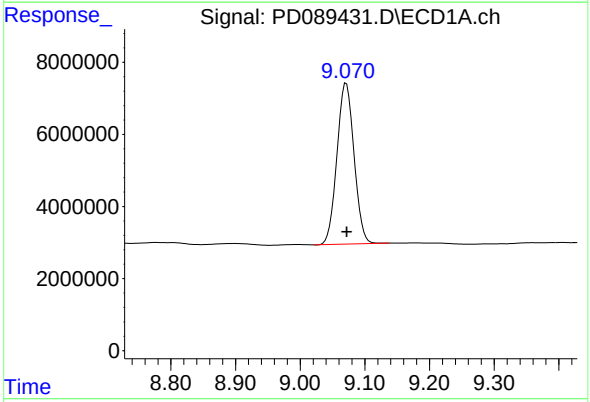
R.T.: 3.549 min
Delta R.T.: -0.001 min
Response: 54682959
Conc: 19.17 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



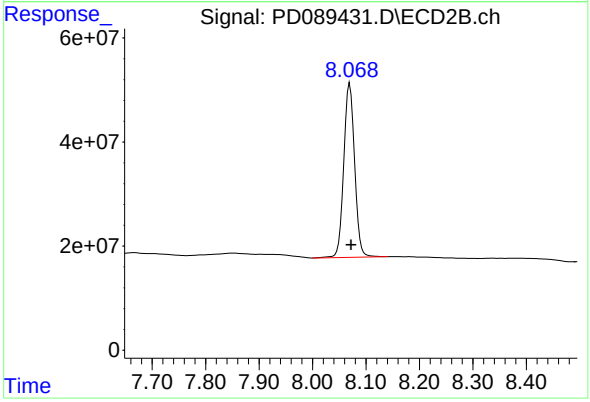

#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 373040268
Conc: 22.00 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 82017891
Conc: 20.88 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.003 min
Response: 472490498
Conc: 23.90 ng/ml

Raw Data: **PD089447.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | |
| Project: | | Date Received: | |
| Client Sample ID: | | SDG No.: | |
| Lab Sample ID: | | Matrix: | |
| Analytical Method: | | | Decanted: |
| Sample Wt/Vol: | Units: | Final Vol: | |
| Soil Aliquot Vol: | uL | Test: | |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | PH : | | |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|

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

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\PD071025\
Data File : PD089447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 17:12
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 10 23:03:41 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 | 52550682 | 365.8E6 | 18.419 | 21.580 |
| 28) | SA Decachlor... | 9.072 | 8.071 | 63927121 | 264.1E6 | 16.276 | 13.357 |
| | Target Compounds | | | | | | |

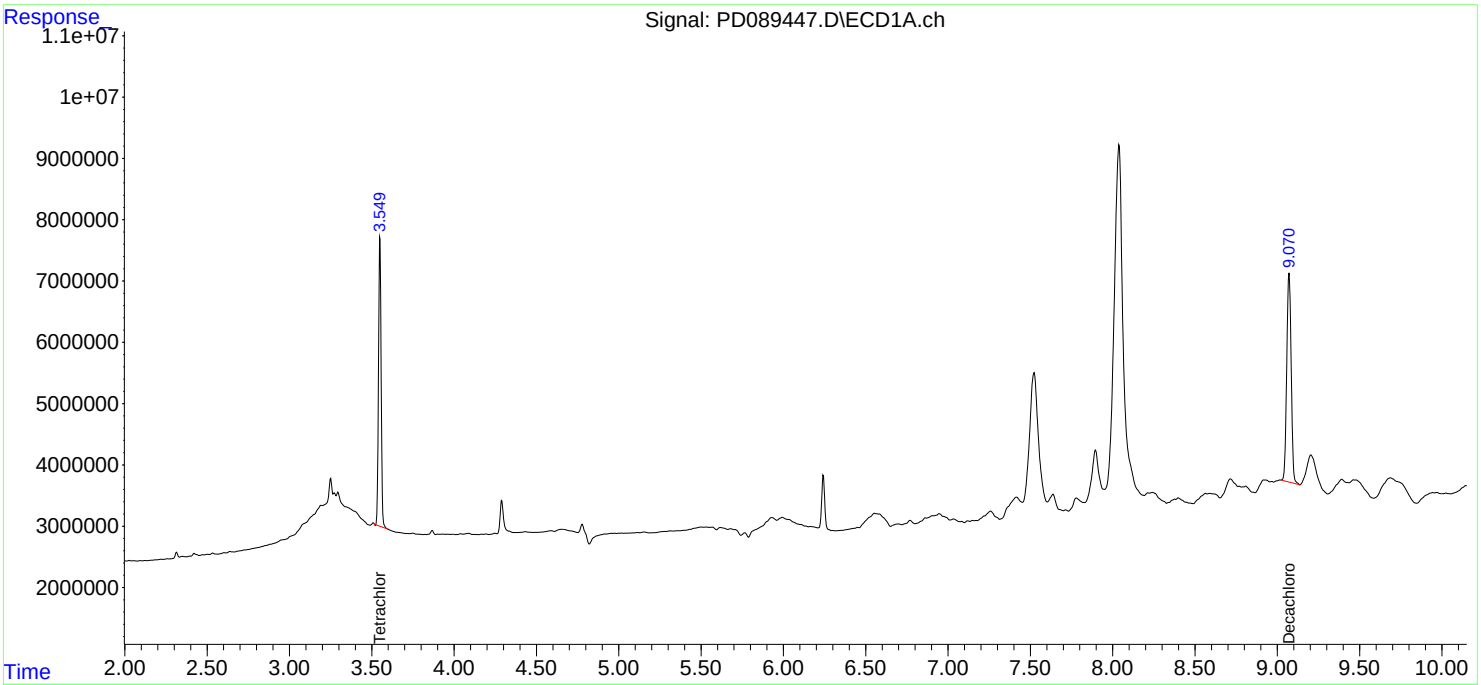
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

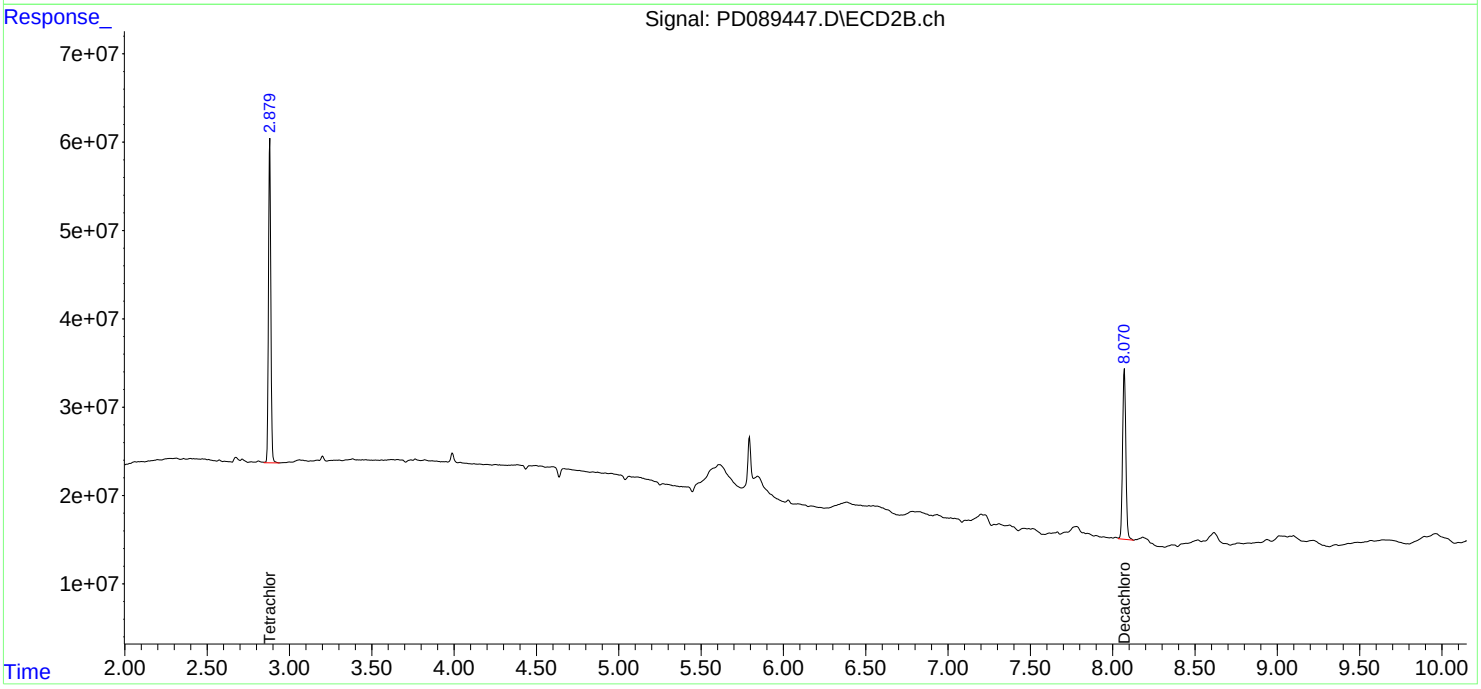
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 17:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

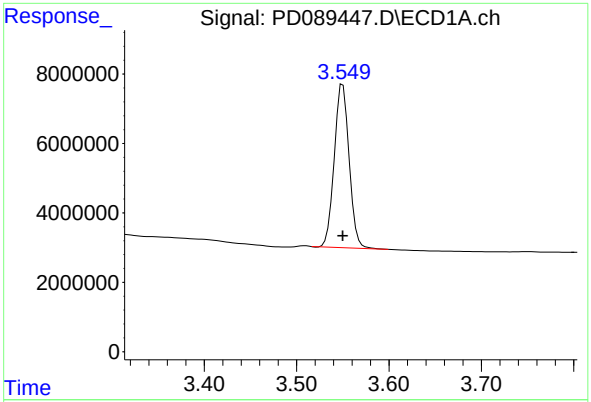
**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:03:41 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



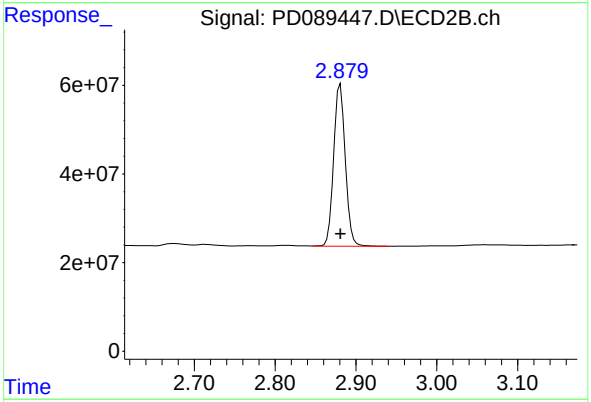






#1 Tetrachloro-m-xylene

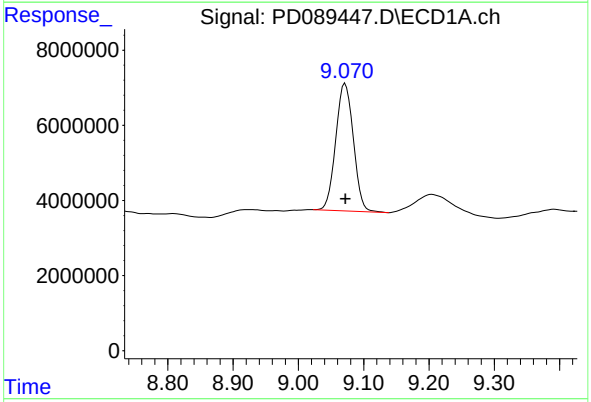
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 52550682
Conc: 18.42 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
I.BLK



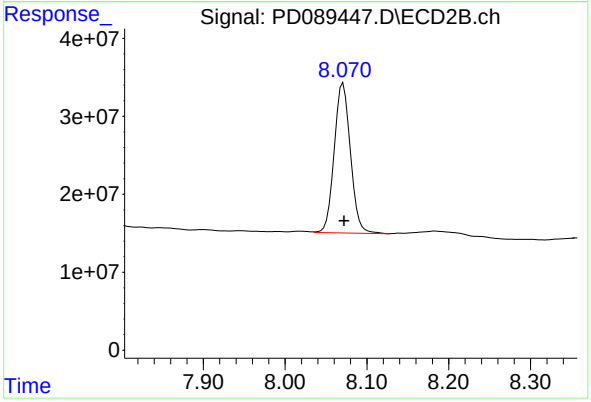

#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 365847444
Conc: 21.58 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 63927121
Conc: 16.28 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 264067459
Conc: 13.36 ng/ml

Raw Data: **PD089434.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: | PB168784BS | SDG No.: | Q2543 |
| Lab Sample ID: | PB168784BS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089434.D | 1 | 07/10/25 08:35 | 07/10/25 14:02 | PB168784 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 16.7 | | 0.13 | 1.70 | ug/kg |
| 319-85-7 | beta-BHC | 16.5 | | 0.18 | 1.70 | ug/kg |
| 319-86-8 | delta-BHC | 16.8 | | 0.39 | 1.70 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 16.8 | | 0.14 | 1.70 | ug/kg |
| 76-44-8 | Heptachlor | 16.4 | | 0.12 | 1.70 | ug/kg |
| 309-00-2 | Aldrin | 16.8 | | 0.12 | 1.70 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 17.0 | | 0.19 | 1.70 | ug/kg |
| 959-98-8 | Endosulfan I | 17.0 | | 0.14 | 1.70 | ug/kg |
| 60-57-1 | Dieldrin | 16.8 | | 0.14 | 1.70 | ug/kg |
| 72-55-9 | 4,4-DDE | 16.8 | | 0.14 | 1.70 | ug/kg |
| 72-20-8 | Endrin | 15.8 | | 0.14 | 1.70 | ug/kg |
| 33213-65-9 | Endosulfan II | 16.7 | | 0.29 | 1.70 | ug/kg |
| 72-54-8 | 4,4-DDD | 17.0 | | 0.15 | 1.70 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 16.7 | | 0.13 | 1.70 | ug/kg |
| 50-29-3 | 4,4-DDT | 16.2 | | 0.14 | 1.70 | ug/kg |
| 72-43-5 | Methoxychlor | 15.6 | | 0.37 | 1.70 | ug/kg |
| 53494-70-5 | Endrin ketone | 17.2 | | 0.19 | 1.70 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 16.5 | | 0.37 | 1.70 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 16.7 | | 0.12 | 1.70 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 16.7 | | 0.15 | 1.70 | ug/kg |
| 8001-35-2 | Toxaphene | 5.40 | U | 5.40 | 33.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 19.1 | | 20 - 144 | 96% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 17.9 | | 19 - 148 | 89% | SPK: 20 |

Raw Data: **PD089434.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: | PB168784BS | SDG No.: | Q2543 |
| Lab Sample ID: | PB168784BS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | Pesticide-TCL |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PD089434.D | 1 | 07/10/25 08:35 | 07/10/25 14:02 | PB168784 |

| 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: **PD089434.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 14:02
Operator : AR\AJ
Sample : PB168784BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB168784BS

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza
07/11/2025
Supervised By :mohammad ahmed
07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:58:56 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... | 3.554 | 2.879 | 42311043 | 302.9E6 | 14.830 | 17.869 |
| 28) | SA Decachlor... | 9.077 | 8.071 | 69145815 | 377.6E6 | 17.605 | 19.098 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 4.003 | 3.391 | 270.9E6 | 1341.9E6 | 46.469 | 50.077 |
| 3) | MA gamma-BHC... | 4.334 | 3.727 | 259.1E6 | 1249.2E6 | 46.411 | 50.460m |
| 4) | MA Heptachlor | 4.934 | 4.081 | 257.1E6 | 1229.5E6 | 47.156 | 49.104 |
| 5) | MB Aldrin | 5.275 | 4.367 | 250.6E6 | 1223.7E6 | 47.169 | 50.531 |
| 6) | B beta-BHC | 4.520 | 4.024 | 99639861 | 531.9E6 | 45.144 | 49.495 |
| 7) | B delta-BHC | 4.767 | 4.261 | 257.3E6 | 1255.2E6 | 50.130m | 50.463 |
| 8) | B Heptachlo... | 5.695 | 4.871 | 224.4E6 | 1116.5E6 | 46.526 | 50.985 |
| 9) | A Endosulfan I | 6.078 | 5.246 | 213.0E6 | 1061.1E6 | 47.254 | 50.908 |
| 10) | B gamma-Chl... | 5.950 | 5.124 | 227.5E6 | 1196.5E6 | 47.524 | 50.016 |
| 11) | B alpha-Chl... | 6.031 | 5.189 | 227.6E6 | 1145.6E6 | 47.029 | 50.032 |
| 12) | B 4,4'-DDE | 6.199 | 5.373 | 203.9E6 | 1154.1E6 | 46.765 | 50.362 |
| 13) | MA Dieldrin | 6.351 | 5.510 | 228.6E6 | 1172.6E6 | 47.658 | 50.524m |
| 14) | MA Endrin | 6.578 | 5.788 | 184.2E6 | 1029.1E6 | 44.659 | 47.395 |
| 15) | B Endosulfa... | 6.790 | 6.080 | 193.7E6 | 1013.3E6 | 47.979 | 50.172 |
| 16) | A 4,4'-DDD | 6.709 | 5.928 | 165.7E6 | 977.6E6 | 48.285 | 51.104 |
| 17) | MA 4,4'-DDT | 7.025 | 6.182 | 175.3E6 | 985.8E6 | 46.282 | 48.611 |
| 18) | B Endrin al... | 6.918 | 6.258 | 144.2E6 | 757.1E6 | 47.073 | 49.446 |
| 19) | B Endosulfa... | 7.153 | 6.481 | 181.1E6 | 983.2E6 | 47.191 | 50.111 |
| 20) | A Methoxychlor | 7.497 | 6.753 | 89781894 | 503.2E6 | 44.433 | 46.733 |
| 21) | B Endrin ke... | 7.634 | 6.990 | 196.9E6 | 1112.4E6 | 48.351 | 51.497 |
| 22) | Mirex | 8.117 | 7.184 | 124.4E6 | 719.8E6 | 40.927 | 43.156 |

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

Sample Results: **PD089434.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 14:02
Operator : AR\AJ
Sample : PB168784BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:58:56 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

**Instrument :**
ECD_D
**ClientSampleId :**
PB168784BS

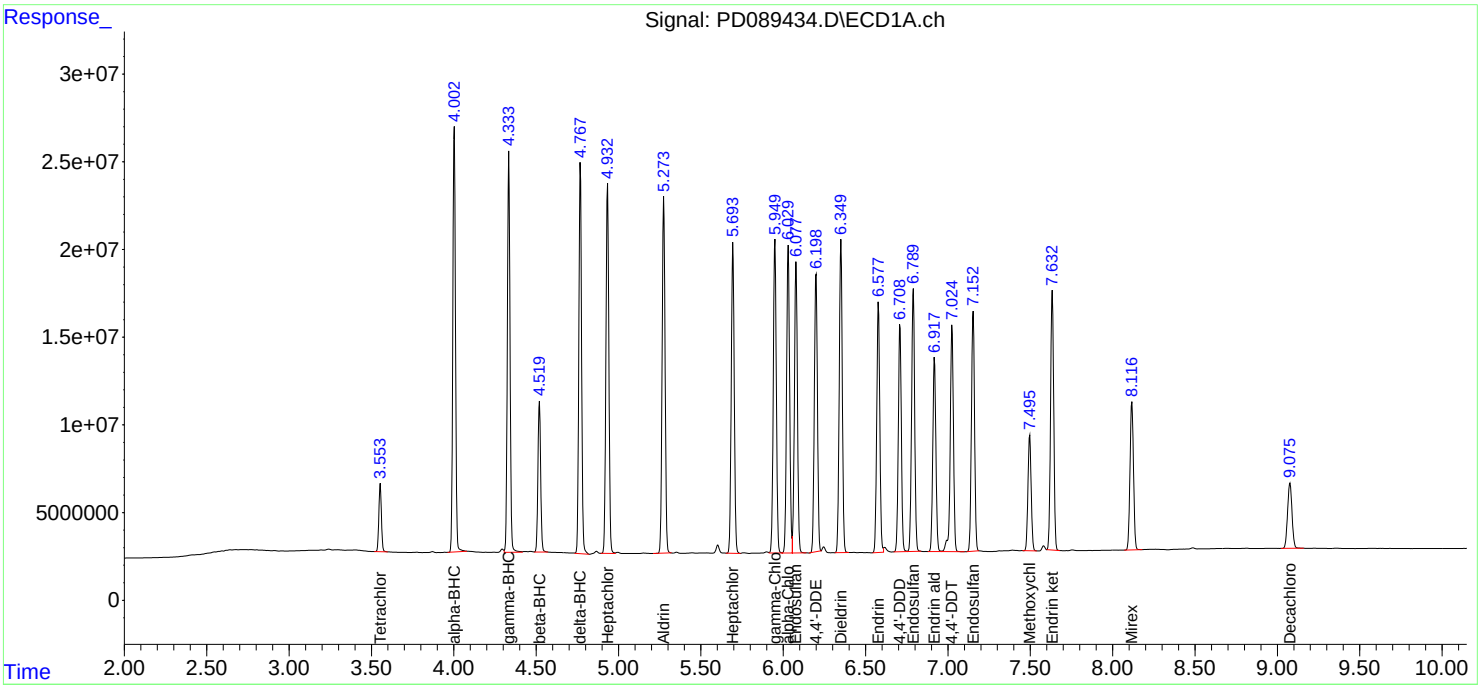
**Manual Integrations APPROVED**

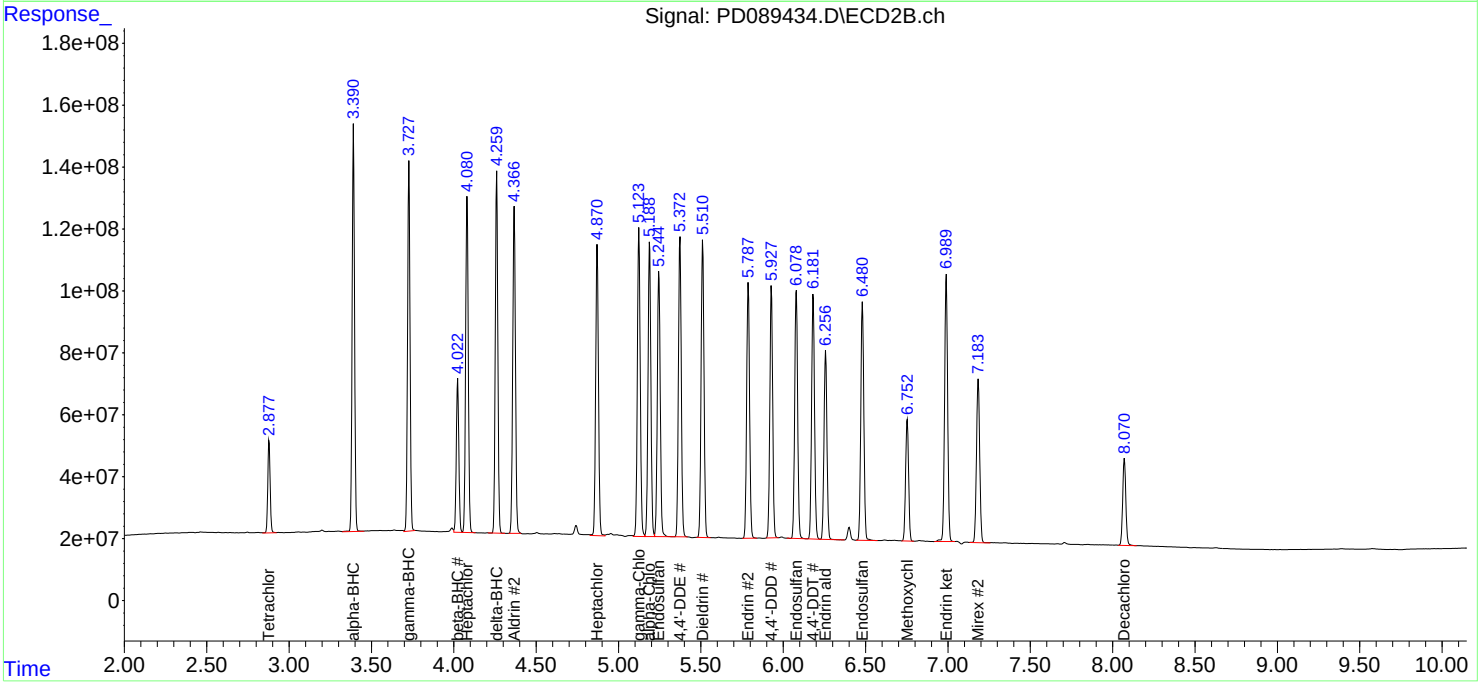
Reviewed By :Abdul Mirza

07/11/2025

Supervised By :mohammad ahmed

07/15/2025



Raw Data: **PD089441.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23MS | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-03MS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85 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 |
|---|---|---|---|---|
| PD089441.D | 1 | 07/10/25 08:35 | 07/10/25 15:50 | PB168784 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 18.5 | | 0.15 | 2.00 | ug/kg |
| 319-85-7 | beta-BHC | 17.9 | | 0.21 | 2.00 | ug/kg |
| 319-86-8 | delta-BHC | 18.1 | | 0.46 | 2.00 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 18.4 | | 0.16 | 2.00 | ug/kg |
| 76-44-8 | Heptachlor | 17.6 | | 0.14 | 2.00 | ug/kg |
| 309-00-2 | Aldrin | 18.1 | | 0.14 | 2.00 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 17.7 | | 0.22 | 2.00 | ug/kg |
| 959-98-8 | Endosulfan I | 17.1 | | 0.16 | 2.00 | ug/kg |
| 60-57-1 | Dieldrin | 16.7 | | 0.16 | 2.00 | ug/kg |
| 72-55-9 | 4,4-DDE | 16.7 | | 0.16 | 2.00 | ug/kg |
| 72-20-8 | Endrin | 15.7 | | 0.16 | 2.00 | ug/kg |
| 33213-65-9 | Endosulfan II | 15.1 | | 0.34 | 2.00 | ug/kg |
| 72-54-8 | 4,4-DDD | 15.0 | | 0.18 | 2.00 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 14.4 | | 0.15 | 2.00 | ug/kg |
| 50-29-3 | 4,4-DDT | 14.1 | | 0.16 | 2.00 | ug/kg |
| 72-43-5 | Methoxychlor | 13.0 | | 0.43 | 2.00 | ug/kg |
| 53494-70-5 | Endrin ketone | 14.0 | | 0.22 | 2.00 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 14.6 | | 0.43 | 2.00 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 16.9 | | 0.14 | 2.00 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 17.0 | | 0.18 | 2.00 | ug/kg |
| 8001-35-2 | Toxaphene | 6.40 | U | 6.40 | 38.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.4 | | 20 - 144 | 67% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 19.6 | | 19 - 148 | 98% | SPK: 20 |

Raw Data: **PD089441.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23MS | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-03MS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85 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 |
|---|---|---|---|---|
| PD089441.D | 1 | 07/10/25 08:35 | 07/10/25 15:50 | PB168784 |

| 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\PD071025\
Data File : PD089441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:50
Operator : AR\AJ
Sample : Q2543-03MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-23MS

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:01:36 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... | 3.549 | 2.879 | 47790905 | 331.8E6 | 16.750 | 19.570m |
| 28) | SA Decachlor... | 9.071 | 8.070 | 52595343 | 242.4E6 | 13.391 | 12.264 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.391 | 255.6E6 | 1266.4E6 | 43.845 | 47.259m |
| 3) | MA gamma-BHC... | 4.330 | 3.727 | 241.1E6 | 1166.6E6 | 43.187 | 47.124m |
| 4) | MA Heptachlor | 4.929 | 4.082 | 218.5E6 | 1128.7E6 | 40.081 | 45.077 |
| 5) | MB Aldrin | 5.270 | 4.368 | 220.8E6 | 1117.4E6 | 41.555 | 46.141 |
| 6) | B beta-BHC | 4.515 | 4.024 | 89963540 | 491.8E6 | 40.760 | 45.768 |
| 7) | B delta-BHC | 4.764 | 4.261 | 222.0E6 | 1152.8E6 | 43.250 | 46.348 |
| 8) | B Heptachlo... | 5.690 | 4.871 | 186.6E6 | 989.4E6 | 38.689 | 45.182 |
| 9) | A Endosulfan I | 6.074 | 5.245 | 171.3E6 | 909.4E6 | 38.005 | 43.633 |
| 10) | B gamma-Chl... | 5.945 | 5.124 | 181.0E6 | 1036.8E6 | 37.803 | 43.341 |
| 11) | B alpha-Chl... | 6.026 | 5.189 | 182.5E6 | 988.4E6 | 37.712 | 43.169 |
| 12) | B 4,4'-DDE | 6.195 | 5.373 | 163.9E6 | 978.4E6 | 37.588 | 42.696 |
| 13) | MA Dieldrin | 6.346 | 5.511 | 180.3E6 | 988.9E6 | 37.585 | 42.608 |
| 14) | MA Endrin | 6.573 | 5.788 | 142.8E6 | 868.5E6 | 34.608 | 39.999 |
| 15) | B Endosulfa... | 6.785 | 6.079 | 145.9E6 | 779.2E6 | 36.152 | 38.580 |
| 16) | A 4,4'-DDD | 6.704 | 5.928 | 125.6E6 | 735.6E6 | 36.590 | 38.453 |
| 17) | MA 4,4'-DDT | 7.020 | 6.182 | 128.3E6 | 730.4E6 | 33.861 | 36.019 |
| 18) | B Endrin al... | 6.914 | 6.257 | 112.8E6 | 572.9E6 | 36.813 | 37.416 |
| 19) | B Endosulfa... | 7.148 | 6.480 | 133.7E6 | 723.6E6 | 34.832 | 36.876 |
| 20) | A Methoxychlor | 7.492 | 6.752 | 64441847 | 357.3E6 | 31.892 | 33.185 |
| 21) | B Endrin ke... | 7.629 | 6.990 | 145.5E6 | 718.6E6 | 35.733 | 33.266 |
| 22) | Mirex | 8.113 | 7.183 | 105.3E6 | 523.7E6 | 34.647 | 31.398 |

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

Sample Results: **PD089441.D**

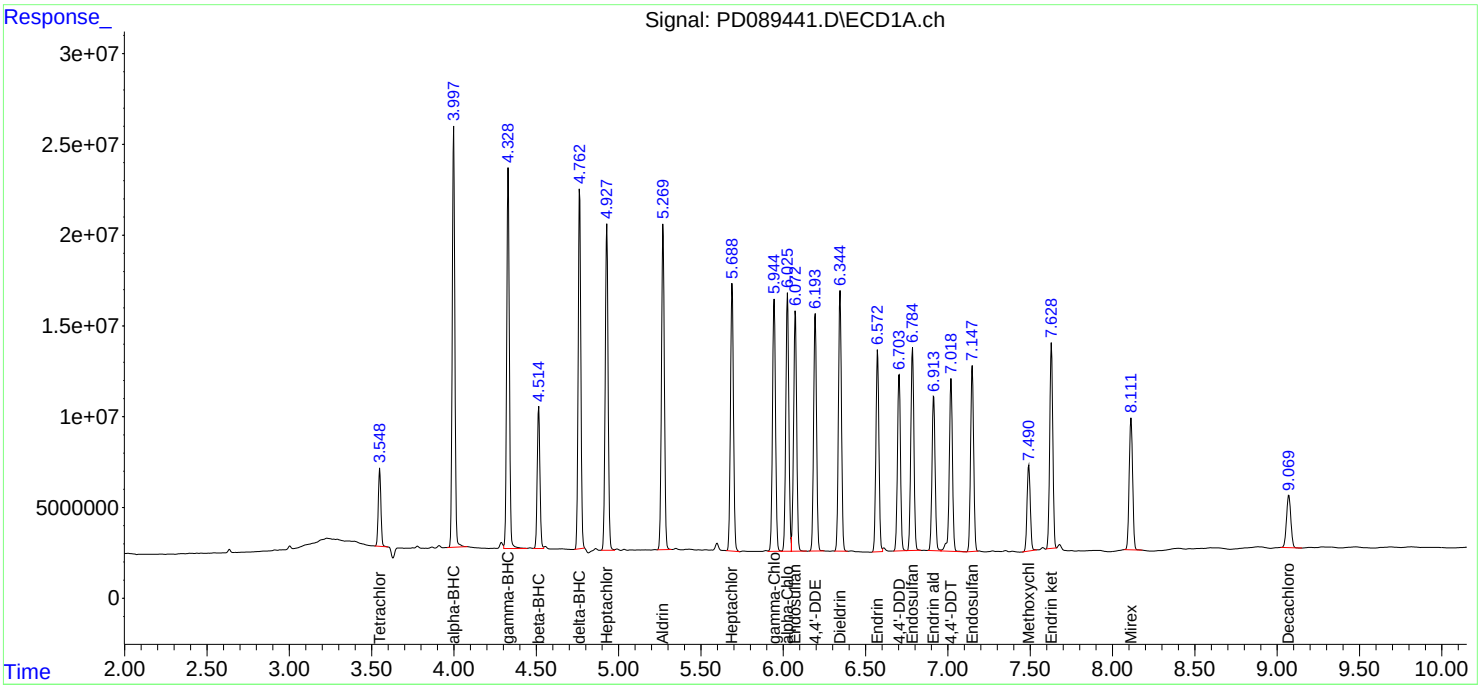
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:50
Operator : AR\AJ
Sample : Q2543-03MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

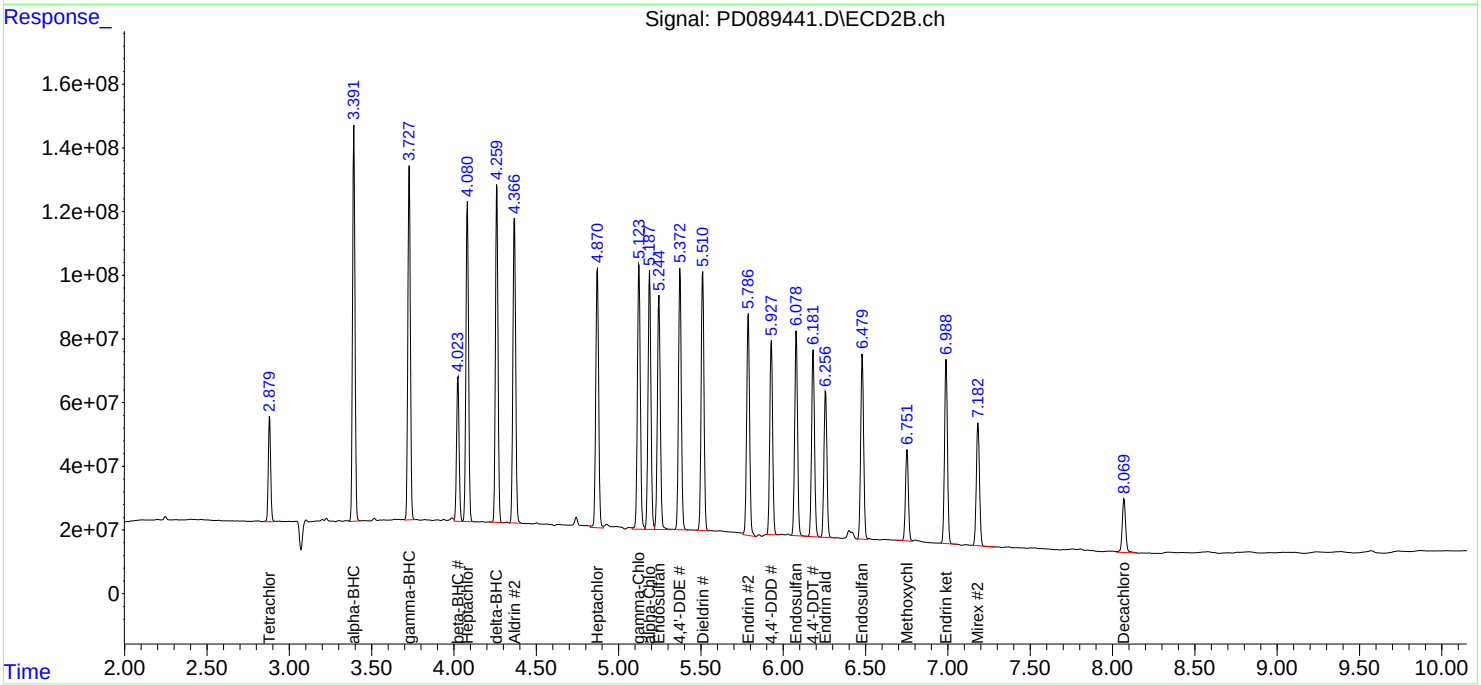
**Instrument :**
ECD_D
**ClientSampleId :**
TP-23MS

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:01:36 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: **PD089442.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23MSD | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-03MSD | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85 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 |
|---|---|---|---|---|
| PD089442.D | 1 | 07/10/25 08:35 | 07/10/25 16:04 | PB168784 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 319-84-6 | alpha-BHC | 18.5 | | 0.15 | 2.00 | ug/kg |
| 319-85-7 | beta-BHC | 17.9 | | 0.21 | 2.00 | ug/kg |
| 319-86-8 | delta-BHC | 18.4 | | 0.46 | 2.00 | ug/kg |
| 58-89-9 | gamma-BHC (Lindane) | 18.4 | | 0.16 | 2.00 | ug/kg |
| 76-44-8 | Heptachlor | 17.6 | | 0.14 | 2.00 | ug/kg |
| 309-00-2 | Aldrin | 18.4 | | 0.14 | 2.00 | ug/kg |
| 1024-57-3 | Heptachlor epoxide | 18.4 | | 0.22 | 2.00 | ug/kg |
| 959-98-8 | Endosulfan I | 17.6 | | 0.16 | 2.00 | ug/kg |
| 60-57-1 | Dieldrin | 16.9 | | 0.16 | 2.00 | ug/kg |
| 72-55-9 | 4,4-DDE | 17.0 | | 0.16 | 2.00 | ug/kg |
| 72-20-8 | Endrin | 16.3 | | 0.16 | 2.00 | ug/kg |
| 33213-65-9 | Endosulfan II | 15.6 | | 0.34 | 2.00 | ug/kg |
| 72-54-8 | 4,4-DDD | 15.7 | | 0.18 | 2.00 | ug/kg |
| 1031-07-8 | Endosulfan Sulfate | 15.1 | | 0.15 | 2.00 | ug/kg |
| 50-29-3 | 4,4-DDT | 14.5 | | 0.16 | 2.00 | ug/kg |
| 72-43-5 | Methoxychlor | 13.2 | | 0.43 | 2.00 | ug/kg |
| 53494-70-5 | Endrin ketone | 14.1 | | 0.22 | 2.00 | ug/kg |
| 7421-93-4 | Endrin aldehyde | 15.1 | | 0.43 | 2.00 | ug/kg |
| 5103-71-9 | alpha-Chlordane | 17.5 | | 0.14 | 2.00 | ug/kg |
| 5103-74-2 | gamma-Chlordane | 17.7 | | 0.18 | 2.00 | ug/kg |
| 8001-35-2 | Toxaphene | 6.30 | U | 6.30 | 38.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.4 | | 20 - 144 | 67% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 19.3 | | 19 - 148 | 97% | SPK: 20 |

Raw Data: **PD089442.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: | 07/09/25 |
| Project: | South River WM Replacement | Date Received: | 07/09/25 |
| Client Sample ID: | TP-23MSD | SDG No.: | Q2543 |
| Lab Sample ID: | Q2543-03MSD | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 85 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 |
|---|---|---|---|---|
| PD089442.D | 1 | 07/10/25 08:35 | 07/10/25 16:04 | PB168784 |

| 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: **PD089442.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 16:04
Operator : AR\AJ
Sample : Q2543-03MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
TP-23MSD

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:02:00 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... | 3.549 | 2.879 | 48595532 | 327.3E6 | 17.032 | 19.304m |
| 28) | SA Decachlor... | 9.071 | 8.070 | 52650311 | 231.8E6 | 13.405 | 11.724 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.391 | 259.6E6 | 1264.8E6 | 44.529 | 47.199m |
| 3) | MA gamma-BHC... | 4.330 | 3.727 | 248.7E6 | 1166.1E6 | 44.562 | 47.104m |
| 4) | MA Heptachlor | 4.928 | 4.081 | 222.6E6 | 1125.9E6 | 40.825 | 44.968 |
| 5) | MB Aldrin | 5.270 | 4.367 | 222.5E6 | 1140.5E6 | 41.886 | 47.094 |
| 6) | B beta-BHC | 4.515 | 4.024 | 94006482 | 492.4E6 | 42.592 | 45.824 |
| 7) | B delta-BHC | 4.764 | 4.261 | 233.2E6 | 1171.5E6 | 45.440 | 47.100 |
| 8) | B Heptachlo... | 5.690 | 4.871 | 199.4E6 | 1027.5E6 | 41.326 | 46.923 |
| 9) | A Endosulfan I | 6.073 | 5.245 | 177.9E6 | 938.0E6 | 39.474 | 45.004 |
| 10) | B gamma-Chl... | 5.945 | 5.124 | 191.1E6 | 1082.6E6 | 39.913 | 45.254 |
| 11) | B alpha-Chl... | 6.026 | 5.189 | 191.5E6 | 1023.2E6 | 39.577 | 44.687 |
| 12) | B 4,4'-DDE | 6.195 | 5.373 | 168.3E6 | 997.1E6 | 38.598 | 43.512 |
| 13) | MA Dieldrin | 6.346 | 5.511 | 186.1E6 | 1002.7E6 | 38.788 | 43.204 |
| 14) | MA Endrin | 6.573 | 5.786 | 155.3E6 | 906.4E6 | 37.639 | 41.743m |
| 15) | B Endosulfa... | 6.785 | 6.079 | 142.9E6 | 804.8E6 | 35.397 | 39.846 |
| 16) | A 4,4'-DDD | 6.704 | 5.928 | 131.4E6 | 767.1E6 | 38.284 | 40.098 |
| 17) | MA 4,4'-DDT | 7.020 | 6.182 | 131.2E6 | 754.1E6 | 34.633 | 37.185 |
| 18) | B Endrin al... | 6.914 | 6.257 | 111.6E6 | 591.5E6 | 36.434 | 38.635 |
| 19) | B Endosulfa... | 7.149 | 6.480 | 139.8E6 | 759.6E6 | 36.425 | 38.712 |
| 20) | A Methoxychlor | 7.492 | 6.752 | 65869249 | 363.9E6 | 32.598 | 33.791 |
| 21) | B Endrin ke... | 7.629 | 6.989 | 143.3E6 | 780.8E6 | 35.174 | 36.145 |
| 22) | Mirex | 8.112 | 7.183 | 107.9E6 | 551.6E6 | 35.487 | 33.074 |

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

Sample Results: **PD089442.D**

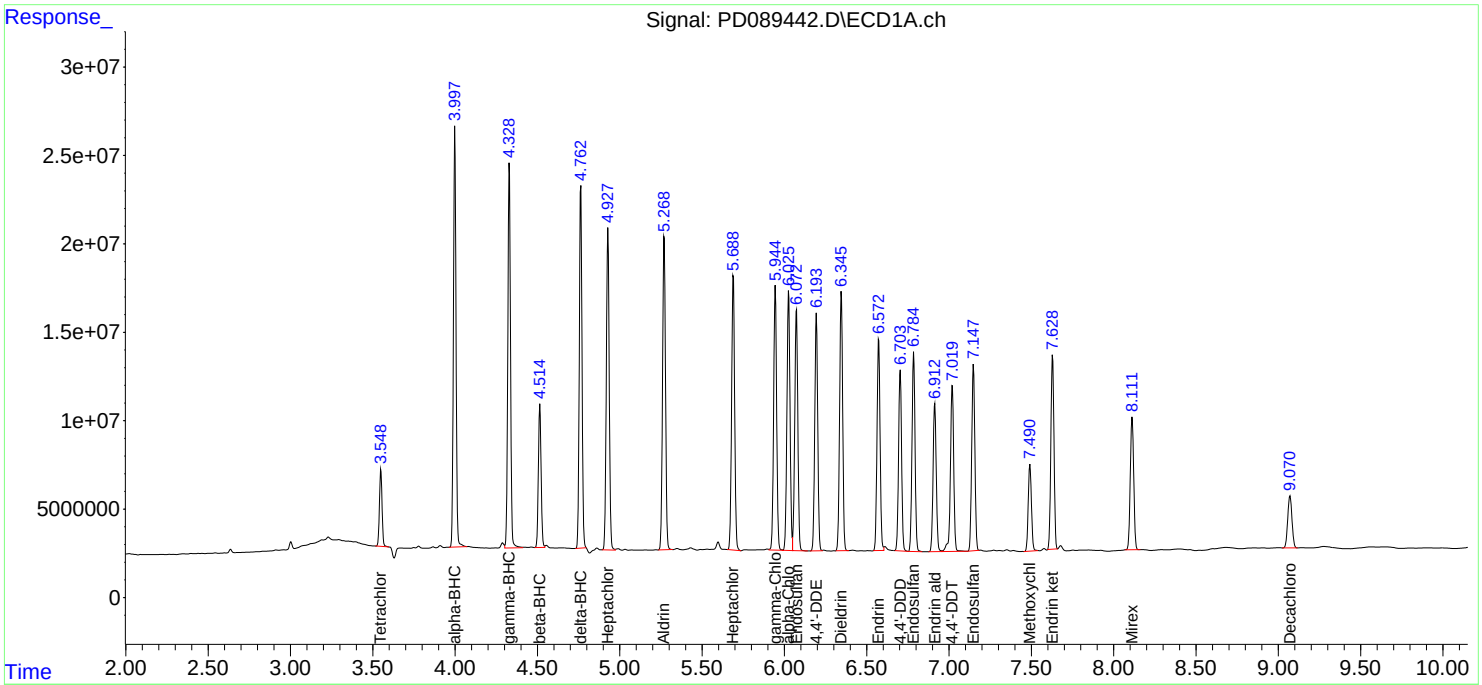
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 16:04
Operator : AR\AJ
Sample : Q2543-03MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

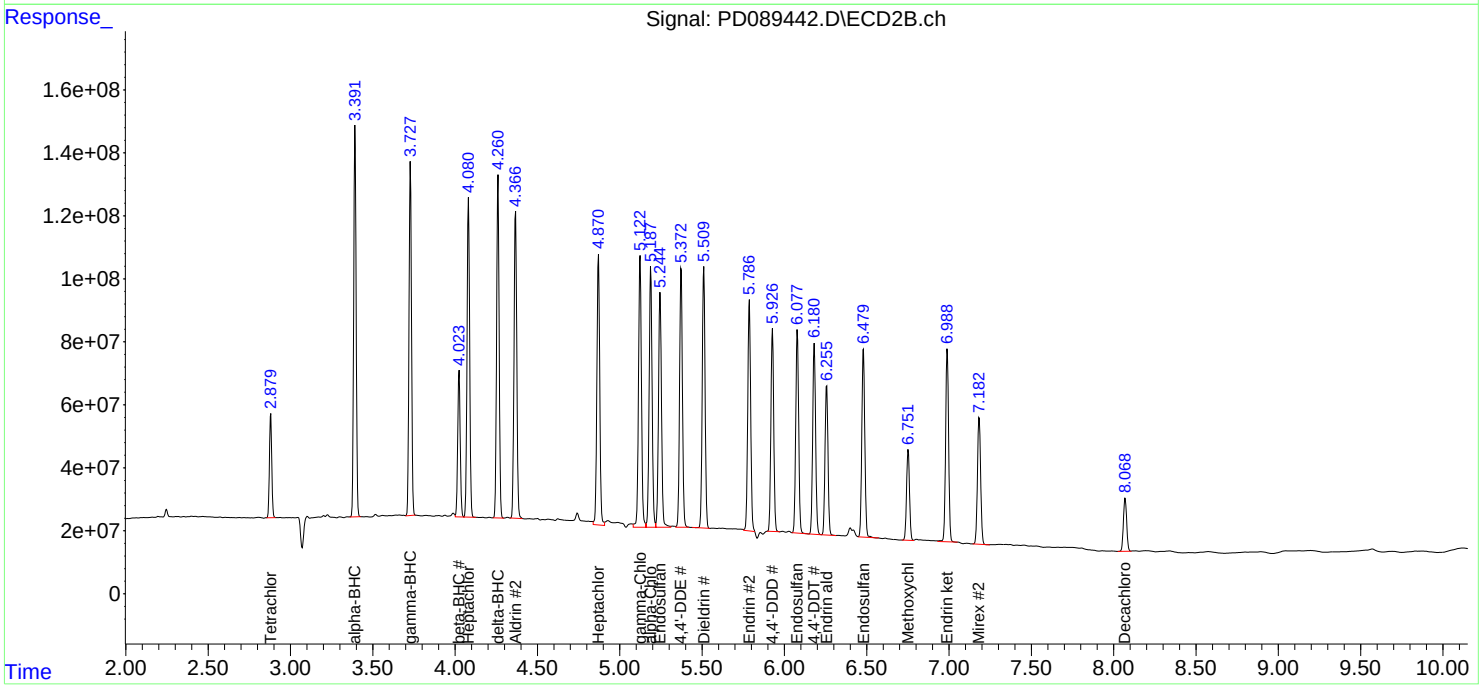
**Instrument :**
ECD_D
**ClientSampleId :**
TP-23MSD

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:02:00 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



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# 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: | PD071025 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PEM | PD089428.D | 4,4"-DDE | Abdul | 7/11/2025 8:26:37 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PEM | PD089428.D | gamma-BHC (Lindane) #2 | Abdul | 7/11/2025 8:26:37 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PSTDCCC050 | PD089432.D | gamma-BHC (Lindane) #2 | Abdul | 7/11/2025 8:25:37 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PSTDCCC050 | PD089432.D | gamma-Chlordane #2 | Abdul | 7/11/2025 8:25:37 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PB168784BS | PD089434.D | delta-BHC | Abdul | 7/11/2025 8:25:40 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PB168784BS | PD089434.D | Dieldrin #2 | Abdul | 7/11/2025 8:25:40 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PB168784BS | PD089434.D | gamma-BHC (Lindane) #2 | Abdul | 7/11/2025 8:25:40 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-01 | PD089438.D | Decachlorobiphenyl #2 | Abdul | 7/11/2025 8:25:52 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-01 | PD089438.D | Tetrachloro-m-xylene #2 | Abdul | 7/11/2025 8:25:52 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-02 | PD089439.D | Decachlorobiphenyl | Abdul | 7/11/2025 8:25:55 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-02 | PD089439.D | Tetrachloro-m-xylene #2 | Abdul | 7/11/2025 8:25:55 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-03 | PD089440.D | Tetrachloro-m-xylene #2 | Abdul | 7/11/2025 8:25:58 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-03MS | PD089441.D | alpha-BHC #2 | Abdul | 7/11/2025 8:26:01 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PD071025 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2543-03MS | PD089441.D | gamma-BHC (Lindane) #2 | Abdul | 7/11/2025 8:26:01 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-03MS | PD089441.D | Tetrachloro-m-xylene #2 | Abdul | 7/11/2025 8:26:01 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-03MSD | PD089442.D | alpha-BHC #2 | Abdul | 7/11/2025 8:26:04 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-03MSD | PD089442.D | Endrin #2 | Abdul | 7/11/2025 8:26:04 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-03MSD | PD089442.D | gamma-BHC (Lindane) #2 | Abdul | 7/11/2025 8:26:04 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-03MSD | PD089442.D | Tetrachloro-m-xylene #2 | Abdul | 7/11/2025 8:26:04 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| Q2543-04 | PD089443.D | Tetrachloro-m-xylene #2 | Abdul | 7/11/2025 8:26:07 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PSTDCCC050 | PD089448.D | gamma-BHC (Lindane) #2 | Abdul | 7/11/2025 8:26:20 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |
| PSTDCCC050 | PD089448.D | Mirex #2 | Abdul | 7/11/2025 8:26:20 AM | mohammad | 7/11/2025 9:10:24 | Peak Integrated by Software |

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Fax : 908 789 8922

**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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Fax : 908 789 8922

**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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Fax : 908 789 8922

**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD071025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/11/2025 8:26:54 AM | | |
| Supervise By | mohammad | Supervise On | 7/11/2025 9:10:24 AM | | |
| SubDirectory | PD071025 | 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 | PD089426.D | 10 Jul 2025 09:18 | AR\AJ | Ok |
| 2 | I.BLK | PD089427.D | 10 Jul 2025 10:13 | AR\AJ | Ok |
| 3 | PEM | PD089428.D | 10 Jul 2025 10:27 | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PD089429.D | 10 Jul 2025 11:44 | AR\AJ | Ok |
| 5 | Q2526-03RE | PD089430.D | 10 Jul 2025 12:03 | AR\AJ | Confirms |
| 6 | I.BLK | PD089431.D | 10 Jul 2025 12:16 | AR\AJ | Ok |
| 7 | PSTDCCC050 | PD089432.D | 10 Jul 2025 12:30 | AR\AJ | Ok,M |
| 8 | PB168784BL | PD089433.D | 10 Jul 2025 13:31 | AR\AJ | Ok |
| 9 | PB168784BS | PD089434.D | 10 Jul 2025 14:02 | AR\AJ | Ok,M |
| 10 | Q2537-01 | PD089435.D | 10 Jul 2025 14:22 | AR\AJ | Ok,M |
| 11 | Q2539-01 | PD089436.D | 10 Jul 2025 14:42 | AR\AJ | Ok,M |
| 12 | Q2542-01 | PD089437.D | 10 Jul 2025 14:56 | AR\AJ | Ok,M |
| 13 | Q2543-01 | PD089438.D | 10 Jul 2025 15:09 | AR\AJ | Ok,M |
| 14 | Q2543-02 | PD089439.D | 10 Jul 2025 15:23 | AR\AJ | Ok,M |
| 15 | Q2543-03 | PD089440.D | 10 Jul 2025 15:37 | AR\AJ | Ok,M |
| 16 | Q2543-03MS | PD089441.D | 10 Jul 2025 15:50 | AR\AJ | Ok,M |
| 17 | Q2543-03MSD | PD089442.D | 10 Jul 2025 16:04 | AR\AJ | Ok,M |
| 18 | Q2543-04 | PD089443.D | 10 Jul 2025 16:17 | AR\AJ | Ok,M |
| 19 | Q2546-01 | PD089444.D | 10 Jul 2025 16:31 | AR\AJ | Ok,M |
| 20 | Q2550-02 | PD089445.D | 10 Jul 2025 16:45 | AR\AJ | Ok,NR |
| 21 | Q2551-02 | PD089446.D | 10 Jul 2025 16:59 | AR\AJ | Ok,NR |

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Fax : 908 789 8922

**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD071025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/11/2025 8:26:54 AM | | |
| Supervise By | mohammad | Supervise On | 7/11/2025 9:10:24 AM | | |
| SubDirectory | PD071025 | 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 | I.BLK | PD089447.D | 10 Jul 2025 17:12 | AR\AJ | Ok |
| 23 | PSTDCCC050 | PD089448.D | 10 Jul 2025 19:03 | AR\AJ | Ok,M |

M : Manual Integration

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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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Fax : 908 789 8922

**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 |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD071025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/11/2025 8:26:54 AM | | |
| Supervise By | mohammad | Supervise On | 7/11/2025 9:10:24 AM | | |
| SubDirectory | PD071025 | 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 | PD089426.D | 10 Jul 2025 09:18 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PD089427.D | 10 Jul 2025 10:13 | | AR\AJ | Ok |
| 3 | PEM | PEM | PD089428.D | 10 Jul 2025 10:27 | | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PSTDCCC050 | PD089429.D | 10 Jul 2025 11:44 | | AR\AJ | Ok |
| 5 | Q2526-03RE | LAW-25-0102RE | PD089430.D | 10 Jul 2025 12:03 | DCB Low in both column | AR\AJ | Confirms |
| 6 | I.BLK | I.BLK | PD089431.D | 10 Jul 2025 12:16 | | AR\AJ | Ok |
| 7 | PSTDCCC050 | PSTDCCC050 | PD089432.D | 10 Jul 2025 12:30 | | AR\AJ | Ok,M |
| 8 | PB168784BL | PB168784BL | PD089433.D | 10 Jul 2025 13:31 | | AR\AJ | Ok |
| 9 | PB168784BS | PB168784BS | PD089434.D | 10 Jul 2025 14:02 | | AR\AJ | Ok,M |
| 10 | Q2537-01 | TR-04-7.9-2025 | PD089435.D | 10 Jul 2025 14:22 | | AR\AJ | Ok,M |
| 11 | Q2539-01 | HACKENSACK | PD089436.D | 10 Jul 2025 14:42 | | AR\AJ | Ok,M |
| 12 | Q2542-01 | VNJ-245 | PD089437.D | 10 Jul 2025 14:56 | | AR\AJ | Ok,M |
| 13 | Q2543-01 | TP-41 | PD089438.D | 10 Jul 2025 15:09 | | AR\AJ | Ok,M |
| 14 | Q2543-02 | TP-49 | PD089439.D | 10 Jul 2025 15:23 | | AR\AJ | Ok,M |
| 15 | Q2543-03 | TP-23 | PD089440.D | 10 Jul 2025 15:37 | | AR\AJ | Ok,M |
| 16 | Q2543-03MS | TP-23MS | PD089441.D | 10 Jul 2025 15:50 | | AR\AJ | Ok,M |
| 17 | Q2543-03MSD | TP-23MSD | PD089442.D | 10 Jul 2025 16:04 | | AR\AJ | Ok,M |
| 18 | Q2543-04 | TP-23-99 | PD089443.D | 10 Jul 2025 16:17 | | AR\AJ | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD071025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 7/11/2025 8:26:54 AM | | |
| Supervise By | mohammad | Supervise On | 7/11/2025 9:10:24 AM | | |
| SubDirectory | PD071025 | 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 | Q2546-01 | HD-02-7-9-2025 | PD089444.D | 10 Jul 2025 16:31 | | AR\AJ | Ok,M |
| 20 | Q2550-02 | VNJ-203 | PD089445.D | 10 Jul 2025 16:45 | | AR\AJ | Ok,NR |
| 21 | Q2551-02 | VNJ-204 | PD089446.D | 10 Jul 2025 16:59 | | AR\AJ | Ok,NR |
| 22 | I.BLK | I.BLK | PD089447.D | 10 Jul 2025 17:12 | | AR\AJ | Ok |
| 23 | PSTDCCC050 | PSTDCCC050 | PD089448.D | 10 Jul 2025 19:03 | | AR\AJ | Ok,M |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 7/10/2025

**OVENTEMP IN Celsius(°C):** 108
**Time IN:** 17:10
**In Date:** 07/09/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 104
**Time OUT:** 08:25
**Out Date:** 07/10/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID-OVEN

**QC:** LB136409

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q2534-01 | VNJ-206#1 | 8 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2534-02 | VNJ-206#2 | 9 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2534-03 | VNJ-224#1 | 10 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2534-04 | VNJ-224#2 | 11 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2534-05 | VNJ-232#1 | 12 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2534-06 | VNJ-232#2 | 13 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2534-07 | VNJ-227#1 | 14 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2534-08 | VNJ-227#2 | 15 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2535-03 | 70225-PIPE | 1 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2535-04 | 70725-PIPE | 2 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2537-01 | TR-04-7.9-2025 | 42 | 1.18 | 10.34 | 11.52 | 10.54 | 90.5 | |
| Q2537-02 | TR-04-7.9-2025 | 43 | 1.15 | 10.83 | 11.98 | 10.83 | 89.4 | |
| Q2538-01 | 70325-A | 3 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2538-02 | 70325-B | 4 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2538-03 | 70325-C | 5 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q2539-01 | HACKENSACK | 6 | 1.14 | 10.40 | 11.54 | 10.9 | 93.8 | |
| Q2539-02 | HACKENSACK-EPH 2 | 7 | 1.15 | 10.84 | 11.99 | 11.31 | 93.7 | |
| Q2541-01 | HED664T-1-1 | 16 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2541-02 | HED664T-1-2 | 17 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2542-01 | VNJ-245 | 18 | 1.15 | 10.18 | 11.33 | 10.88 | 95.6 | |
| Q2542-02 | VNJ-245-E2 | 19 | 1.18 | 10.32 | 11.5 | 10.84 | 93.6 | |
| Q2543-01 | TP-41 | 20 | 1.16 | 10.61 | 11.77 | 9.86 | 82.0 | |
| Q2543-02 | TP-49 | 21 | 1.19 | 10.08 | 11.27 | 8.64 | 73.9 | |
| Q2543-03 | TP-23 | 22 | 1.15 | 10.00 | 11.15 | 9.65 | 85.0 | |
| Q2543-04 | TP-23-99 | 23 | 1.13 | 10.32 | 11.45 | 9.94 | 85.4 | |
| Q2544-01 | Y 2307-0174-1-1 | 24 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2544-02 | Y 2307-0174-1-2 | 25 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2544-03 | BC 258874-1-1 | 26 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 7/10/2025

**OVENTEMP IN Celsius(°C):** 108
**Time IN:** 17:10
**In Date:** 07/09/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 104
**Time OUT:** 08:25
**Out Date:** 07/10/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID-OVEN

**QC:** LB136409

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q2544-04 | BC 258874-1-2 | 27 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2544-05 | BC 274857-1-1 | 28 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2544-06 | BC 274857-1-2 | 29 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2546-01 | HD-02-7-9-2025 | 44 | 1.19 | 10.57 | 11.76 | 11.15 | 94.2 | |
| Q2546-02 | HD-02-7-9-2025 | 45 | 1.12 | 10.64 | 11.76 | 11.19 | 94.6 | |
| Q2546-03 | HD-02-7-9-2025 | 46 | 1.14 | 10.85 | 11.99 | 11.66 | 97.0 | |
| Q2549-01 | BC271242-1-1 | 30 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-02 | BC271242-1-2 | 31 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-03 | BC226734-1-1 | 32 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-04 | BC226734-1-2 | 33 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-05 | BC226734-2-1 | 34 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-06 | BC226734-2-2 | 35 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-07 | JEI484M-1-1 | 36 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-08 | JEI484M-1-2 | 37 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-09 | HZA852R-1-1 | 38 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-10 | HZA852R-1-2 | 39 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-11 | HZA852R-2-1 | 40 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2549-12 | HZA852R-2-2 | 41 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PILC |
| Q2551-02 | VNJ-204 | 47 | 1.11 | 10.49 | 11.6 | 10.8 | 92.4 | |
| Q2551-03 | VNJ-204-EPH | 48 | 1.15 | 11.19 | 12.34 | 11.26 | 90.3 | |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VB B6409

**WorkList Name :** %1-070925 **WorkList ID :** 190592 **Department :** Wet-Chemistry **Date :** 07-09-2025 07:49:44

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2534-01 | VNJ-206#1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2534-02 | VNJ-206#2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2534-03 | VNJ-224#1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2534-04 | VNJ-224#2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2534-05 | VNJ-232#1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2534-06 | VNJ-232#2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2534-07 | VNJ-227#1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2534-08 | VNJ-227#2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2535-03 | 70225-PIPE | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O31 | 07/09/2025 | Chemtech -SO |
| Q2535-04 | 70725-PIPE | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O21 | 07/09/2025 | Chemtech -SO |
| Q2537-01 | TR-04-7.9-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O21 | 07/09/2025 | Chemtech -SO |
| Q2537-02 | TR-04-7.9-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O33 | 07/09/2025 | Chemtech -SO |
| Q2538-01 | 70325-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O33 | 07/09/2025 | Chemtech -SO |
| Q2538-02 | 70325-B | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O41 | 07/09/2025 | Chemtech -SO |
| Q2538-03 | 70325-C | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O41 | 07/09/2025 | Chemtech -SO |
| Q2539-01 | HACKENSACK | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O41 | 07/09/2025 | Chemtech -SO |
| Q2539-02 | HACKENSACK-EPH 2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2541-01 | HED664T-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2541-02 | HED664T-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O41 | 07/09/2025 | Chemtech -SO |
| Q2542-01 | VNJ-245 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O41 | 07/09/2025 | Chemtech -SO |
| Q2542-02 | VNJ-245-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O32 | 07/09/2025 | Chemtech -SO |
| | | | | | | O32 | 07/09/2025 | Chemtech -SO |

**Date/Time** 07/09/25 15:00

**Raw Sample Received by:** JP WLC

**Raw Sample Relinquished by:** JDCSM

**Date/Time** 07/09/25 17:20

**Raw Sample Received by:** JDCSM

**Raw Sample Relinquished by:** JP WLC

# WORKLIST(Hardcopy Internal Chain)

WB 136409

**WorkList Name :** %1-070925 **WorkList ID :** 190592 **Department :** Wet-Chemistry **Date :** 07-09-2025 07:49:44

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2543-01 | TP-41 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | O42 | 07/08/2025 | Chemtech -SO |
| Q2543-02 | TP-49 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | O42 | 07/09/2025 | Chemtech -SO |
| Q2543-03 | TP-23 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | O42 | 07/09/2025 | Chemtech -SO |
| Q2543-04 | TP-23-99 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | O42 | 07/09/2025 | Chemtech -SO |
| Q2544-01 | Y 2307-0174-1-1 | Solid | Percent Solids | Cool 4 deg C | CAMP02 | O42 | 07/09/2025 | Chemtech -SO |
| Q2544-02 | Y 2307-0174-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O22 | 07/09/2025 | Chemtech -SO |
| Q2544-03 | BC 258874-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O22 | 07/09/2025 | Chemtech -SO |
| Q2544-04 | BC 258874-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O22 | 07/09/2025 | Chemtech -SO |
| Q2544-05 | BC 274857-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O22 | 07/09/2025 | Chemtech -SO |
| Q2544-06 | BC 274857-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O22 | 07/09/2025 | Chemtech -SO |
| Q2546-01 | HD-02-7-9-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O22 | 07/09/2025 | Chemtech -SO |
| Q2546-02 | HD-02-7-9-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | O23 | 07/09/2025 | Chemtech -SO |
| Q2546-03 | HD-02-7-9-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | O23 | 07/09/2025 | Chemtech -SO |
| Q2549-01 | BC271242-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | O23 | 07/09/2025 | Chemtech -SO |
| Q2549-02 | BC271242-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-03 | BC226734-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-04 | BC226734-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-05 | BC226734-2-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-06 | BC226734-2-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-07 | JEI484M-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-08 | JEI484M-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |

**Date/Time** 07/09/25 15:00

**Raw Sample Received by:** [illegible] (WC)

**Raw Sample Relinquished by:** JD (SM)

**Date/Time** 07/09/25 17:20

**Raw Sample Received by:** JD (SM)

**Raw Sample Relinquished by:** [illegible] (WC)

# WORKLIST(Hardcopy Internal Chain)

VB B6409

**WorkList Name :** %1-070925 **WorkList ID :** 190592 **Department :** Wet-Chemistry **Date :** 07-09-2025 07:49:44

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2549-09 | HZA852R-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-10 | HZA852R-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-11 | HZA852R-2-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2549-12 | HZA852R-2-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | --Sele | 07/09/2025 | Chemtech -SO |
| Q2551-02 | VNJ-204 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O11 | 07/09/2025 | Chemtech -SO |
| Q2551-03 | VNJ-204-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | O11 | 07/09/2025 | Chemtech -SO |

**Date/Time** 07/09/25 15:00

**Raw Sample Received by:** [illegible] WC

**Raw Sample Relinquished by:** JD (SM)



**Date/Time** 07/09/25 17:20

**Raw Sample Received by:** JD (SM)

**Raw Sample Relinquished by:** [illegible] WC

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168784

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | Florisil | | | **Extraction Start Date :** | 07/10/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:35 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 07/10/2025 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 11:50 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** ☐ 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 | E3951 |
| Hexane | N/A | E3950 |
| 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 |

**Extraction Conformance/Non-Conformance Comments:**

40ML Vial Lot # 03-40BTS723.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NE VAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/10/25 | RS (Ext lab) | R. Pest/PCB Lab |
| 11:55 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168784**

**Analytical Method:** M3541-ASE Extraction-14 **Concentration Date:** 07/10/2025

| Sample ID | Client Sample ID | Test | g mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168784BL | PBLK784 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | | | U2-1 |
| PB168784BS | PLCS784 | Pesticide-TCL | 30.02 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q2537-01 | TR-04-7.9-2025 | Pesticide-TCL | 30.06 | N/A | ritesh | Evelyn | 10 | B | | 3 |
| Q2539-01 | HACKENSACK | Pesticide-TCL | 30.08 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q2542-01 | VNJ-245 | Pesticide-TCL | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q2543-01 | TP-41 | Pesticide-TCL | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| Q2543-02 | TP-49 | Pesticide-TCL | 30.07 | N/A | ritesh | Evelyn | 10 | E | | U3-1 |
| Q2543-03 | TP-23 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q2543-03MS | TP-23MS | Pesticide-TCL | 30.06 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q2543-03MSD | TP-23MSD | Pesticide-TCL | 30.08 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q2543-04 | TP-23-99 | Pesticide-TCL | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q2546-01 | HD-02-7-9-2025 | Pesticide-TCL | 30.04 | N/A | ritesh | Evelyn | 10 | C | | 6 |
| Q2550-02 | VNJ-203 | Pesticide-TCL | 30.02 | N/A | ritesh | Evelyn | 10 | E | | U6-1 |
| Q2551-02 | VNJ-204 | Pesticide-TCL | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 2 |

RS
7/10

* **Extracts relinquished on the same date as received.**

168784
8:35

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2530P **WorkList ID :** 190628 **Department :** Extraction **Date :** 07-10-2025 08:28:57

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2537-01 | TR-04-7.9-2025 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | O33 | 07/09/2025 | 8081B |
| Q2539-01 | HACKENSACK | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | O32 | 07/09/2025 | 8081B |
| Q2542-01 | VNJ-245 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | O32 | 07/09/2025 | 8081B |
| Q2543-01 | TP-41 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | O42 | 07/08/2025 | 8081B |
| Q2543-02 | TP-49 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | O42 | 07/09/2025 | 8081B |
| Q2543-03 | TP-23 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | O42 | 07/09/2025 | 8081B |
| Q2543-04 | TP-23-99 | Solid | Pesticide-TCL | Cool 4 deg C | CAMP02 | O42 | 07/09/2025 | 8081B |
| Q2546-01 | HD-02-7-9-2025 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG05 | O23 | 07/09/2025 | 8081B |
| Q2550-02 | VNJ-203 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | O41 | 07/09/2025 | 8081B |
| Q2551-02 | VNJ-204 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | O11 | 07/09/2025 | 8081B |

**Date/Time** 07/10/25 8:30
**Raw Sample Received by:** RJ (Ext lab)
**Raw Sample Relinquished by:**



**Date/Time** 07/10/25 9:00
**Raw Sample Received by:**
**Raw Sample Relinquished by:** RJ (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. Q2543
QUOTE NO.
COC Number 2047551

## 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: FELIPE CONTRERAS
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
4. METALS
5. PEST/HERBICIDES
6. DRO (GRO)
7. HERBICIDES
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-41 | S | | X | 7/8/25 | 1240 | 6 | X | X | X | X | X | X | X | | | E |
| 2. | TP-47 | S | | X | 7/9/25 | 0755 | 6 | X | X | X | X | X | X | X | | | E |
| 3. | TP-23 | S | | X | 7/9/25 | 0915 | 6 | X | X | X | X | X | X | X | | | E |
| 4. | TP-23-99 | S | | X | 7/9/25 | 0920 | 6 | X | X | X | X | X | X | X | | | E |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

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. | 7/9/25 1102 | 1. 1102 7-9-25 |
| 2. | DATE/TIME: | 2. |
| 3. | DATE/TIME: 1330 7-9-25 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °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

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 :** Q2543 CAMP02
**Client Name :** CDM Smith
**Client Contact :** Marcie Ann Encinas
**Invoice Name :** CDM Smith
**Invoice Contact :** Marcie Ann Encinas

**Order Date :** 7/9/2025 12:26:00 PM
**Project Name :** South River WM Replacem
**Receive DateTime :** 7/9/2025 ~~2:00:00 PM~~ 13:30
**Purchase Order :**

**Project Mgr :**
**Report Type :** ~~Level 1~~ 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 |
|---|---|---|---|---|---|---|---|---|---|
| Q2543-01 | TP-41 | Solid | 07/08/2025 | 12:40 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2543-02 | TP-49 | Solid | 07/09/2025 | 07:55 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2543-03 | TP-23 | Solid | 07/09/2025 | 09:15 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2543-04 | TP-23-99 | Solid | 07/09/2025 | 09:20 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |

DP 07/11/2025

**Relinguished By :**
**Date / Time :** 7-9-25 1400

**Received By :**
**Date / Time :** 07/09/25 14:20

**Storage Area :** VOA Refridgerator Room

Rg Hb
522