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

# Cover Page

**Order ID :** P4732

**Project ID :** PPE Contamination

**Client :** Furino and Sons, Inc.

| Lab Sample Number | Client Sample Number |
|---|---|
| P4732-01 | PPE-COMP |
| P4732-02 | PPE-COMP |
| P4732-04 | PPE-GRAB |
| P4732-05 | PPE-GRAB |

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

Signature : _____

Date: 11/20/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Furino and Sons, Inc.**
**Project Name: PPE Contamination**
**Project # N/A**
**Chemtech Project # P4732**
**Test Name: TCLP Pesticide**

**A. Number of Samples and Date of Receipt:**
4 Solid samples were received on 11/06/2024.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: CENJ, CENJ-Waste Class, Corrosivity, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, PCB, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLPMetals Group2 and VOC-TCLVOA-10. This data package contains results for TCLP Pesticide.

**C. Analytical Techniques:**
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

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

**E. Additional Comments:**

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

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

Signature_____

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# DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **P4732**

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** **SOHIL JODHANI** **Date:** **11/20/2024**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P4732 | **OrderDate:** | 11/6/2024 12:32:55 PM |
| **Client:** | Furino and Sons, Inc. | **Project:** | PPE Contamination |
| **Contact:** | Brian Ferranti | **Location:** | L11,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P4732-01** | **PPE-COMP** | **SOIL** | | | **11/06/24** | | | **11/06/24** |
| | | | PCB | 8082A | | 11/07/24 | 11/07/24 | |
| **P4732-02** | **PPE-COMP** | **TCLP** | | | **11/06/24** | | | **11/06/24** |
| | | | TCLP Pesticide | 8081B | | 11/10/24 | 11/12/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4732 **Order ID:** P4732

**Client:** Furino and Sons, Inc. **Project ID:** PPE Contamination

| 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.:** P4732

**Client:** Furino and Sons, Inc.

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PL092652.D | PIBLK-PL092652.D | Decachlorobiphenyl | 1 | 20 | 22.7 | 114 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 21.6 | 108 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 21.7 | 109 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.4 | 102 | | 77 | 126 |
| I.BLK-PL092941.D | PIBLK-PL092941.D | Decachlorobiphenyl | 1 | 20 | 20.8 | 104 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 22.3 | 112 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 19.8 | 99 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.6 | 108 | | 77 | 126 |
| PB164849BL | PB164849BL | Decachlorobiphenyl | 1 | 20 | 21.1 | 105 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 20.7 | 104 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 20.5 | 103 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.1 | 101 | | 77 | 126 |
| PB164849BS | PB164849BS | Decachlorobiphenyl | 1 | 20 | 19.3 | 96 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 19.1 | 95 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 18.9 | 94 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.9 | 90 | | 77 | 126 |
| PB164694TB | PB164694TB | Decachlorobiphenyl | 1 | 20 | 21.2 | 106 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 20.6 | 103 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 20.8 | 104 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.1 | 101 | | 77 | 126 |
| I.BLK-PL092959.D | PIBLK-PL092959.D | Decachlorobiphenyl | 1 | 20 | 22.0 | 110 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 22.1 | 110 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 22.2 | 111 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.5 | 107 | | 77 | 126 |
| I.BLK-PL092971.D | PIBLK-PL092971.D | Decachlorobiphenyl | 1 | 20 | 21.6 | 108 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 22.7 | 114 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 20.6 | 103 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.6 | 108 | | 77 | 126 |
| P4718-03MS | WB-307-SB02MS | Decachlorobiphenyl | 1 | 20 | 14.1 | 71 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 24.6 | 123 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 13.1 | 66 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.3 | 96 | | 77 | 126 |
| P4718-03MSD | WB-307-SB02MSD | Decachlorobiphenyl | 1 | 20 | 14.4 | 72 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 24.6 | 123 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 13.2 | 66 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.3 | 97 | | 77 | 126 |
| P4732-02 | PPE-COMP | Decachlorobiphenyl | 1 | 20 | 20.2 | 101 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 20.2 | 101 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 19.9 | 99 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.4 | 92 | | 77 | 126 |
| I.BLK-PL092992.D | PIBLK-PL092992.D | Decachlorobiphenyl | 1 | 20 | 22.2 | 111 | | 43 | 140 |

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## Surrogate Summary

**SDG No.:** P4732

**Client:** Furino and Sons, Inc.

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PL092992.D | PIBLK-PL092992.D | Tetrachloro-m-xylene | 1 | 20 | 22.8 | 114 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 21.8 | 109 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.2 | 111 | | 77 | 126 |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P4732

**Client:** Furino and Sons, Inc.

**Analytical Method:** 8081B **DataFile :** PL092984.D

| Lab Sample ID: | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **WB-307-SB02MS** | | | | | | | | | | | |
| P4718-03MS | gamma-BHC (Lindane) | 5 | 0 | 4.90 | ug/L | 98 | | | | 60 | 152 | |
| | Heptachlor | 5 | 0 | 5.40 | ug/L | 108 | | | | 56 | 147 | |
| | Heptachlor epoxide | 5 | 0 | 5.30 | ug/L | 106 | | | | 77 | 143 | |
| | Endrin | 5 | 0 | 5.20 | ug/L | 104 | | | | 76 | 144 | |
| | Methoxychlor | 5 | 0 | 4.80 | ug/L | 96 | | | | 70 | 142 | |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P4732

**Client:** Furino and Sons, Inc.

**Analytical Method:** 8081B **DataFile :** PL092985.D

| Lab Sample ID: | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **WB-307-SB02MSD** | | | | | | | | | | | |
| P4718-03MSD | gamma-BHC (Lindane) | 5 | 0 | 4.90 | ug/L | 98 | | 0 | | 60 | 152 | 20 |
| | Heptachlor | 5 | 0 | 5.50 | ug/L | 110 | | 2 | | 56 | 147 | 20 |
| | Heptachlor epoxide | 5 | 0 | 5.30 | ug/L | 106 | | 0 | | 77 | 143 | 20 |
| | Endrin | 5 | 0 | 5.40 | ug/L | 108 | | 4 | | 76 | 144 | 20 |
| | Methoxychlor | 5 | 0 | 4.80 | ug/L | 96 | | 0 | | 70 | 142 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P4732

**Client:** Furino and Sons, Inc.

**Analytical Method:** 8081B **Datafile :** PL092945.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB164849BS | gamma-BHC (Lindane) | 0.5 | 0.51 | ug/L | 102 | | | | 82 | 129 | |
| | Heptachlor | 0.5 | 0.53 | ug/L | 106 | | | | 79 | 127 | |
| | Heptachlor epoxide | 0.5 | 0.53 | ug/L | 107 | | | | 81 | 124 | |
| | Endrin | 0.5 | 0.53 | ug/L | 106 | | | | 81 | 128 | |
| | Methoxychlor | 0.5 | 0.50 | ug/L | 100 | | | | 78 | 108 | |

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164849BL

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG NO.: P4732

Lab Sample ID: PB164849BL Lab File ID: PL092944.D

Matrix: (soil/water) water Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/10/2024

Date Analyzed (1): 11/11/2024 Date Analyzed (2): 11/11/2024

Time Analyzed (1): 12:12 Time Analyzed (2): 12:12

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 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 |
|---|---|---|---|---|
| PB164849BS | PB164849BS | PL092945.D | 11/11/2024 | 11/11/2024 |
| PB164694TB | PB164694TB | PL092946.D | 11/11/2024 | 11/11/2024 |
| WB-307-SB02MS | P4718-03MS | PL092984.D | 11/11/2024 | 11/11/2024 |
| WB-307-SB02MSD | P4718-03MSD | PL092985.D | 11/11/2024 | 11/11/2024 |
| PPE-COMP | P4732-02 | PL092989.D | 11/12/2024 | 11/12/2024 |

COMMENTS:


# SAMPLE DATA

Raw Data: **PL092989.D**

Alliance TECHNICAL GROUP
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 11/06/24 |
| Project: | PPE Contamination | Date Received: | 11/06/24 |
| Client Sample ID: | PPE-COMP | SDG No.: | P4732 |
| Lab Sample ID: | P4732-02 | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092989.D | 1 | 11/10/24 08:44 | 11/12/24 00:10 | PB164849 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.049 | U | 0.049 | 0.50 | ug/L |
| 76-44-8 | Heptachlor | 0.054 | U | 0.054 | 0.50 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.090 | U | 0.090 | 0.50 | ug/L |
| 72-20-8 | Endrin | 0.043 | U | 0.043 | 0.50 | ug/L |
| 72-43-5 | Methoxychlor | 0.11 | U | 0.11 | 0.50 | ug/L |
| 8001-35-2 | Toxaphene | 1.50 | U | 1.50 | 10.0 | ug/L |
| 57-74-9 | Chlordane | 0.82 | U | 0.82 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 20.2 | | 43 - 140 | 101% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.2 | | 77 - 126 | 101% | SPK: 20 |

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: **PL092989.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:10
Operator : AR\AJ
Sample : P4732-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PPE-COMP

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 06:30:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.779 | 49561592 | 50065611 | 20.227 | 18.399 |
| 28) | SA Decachlor... | 9.061 | 7.919 | 38952488 | 54204889 | 20.240 | 19.861 |
| | Target Compounds | | | | | | |

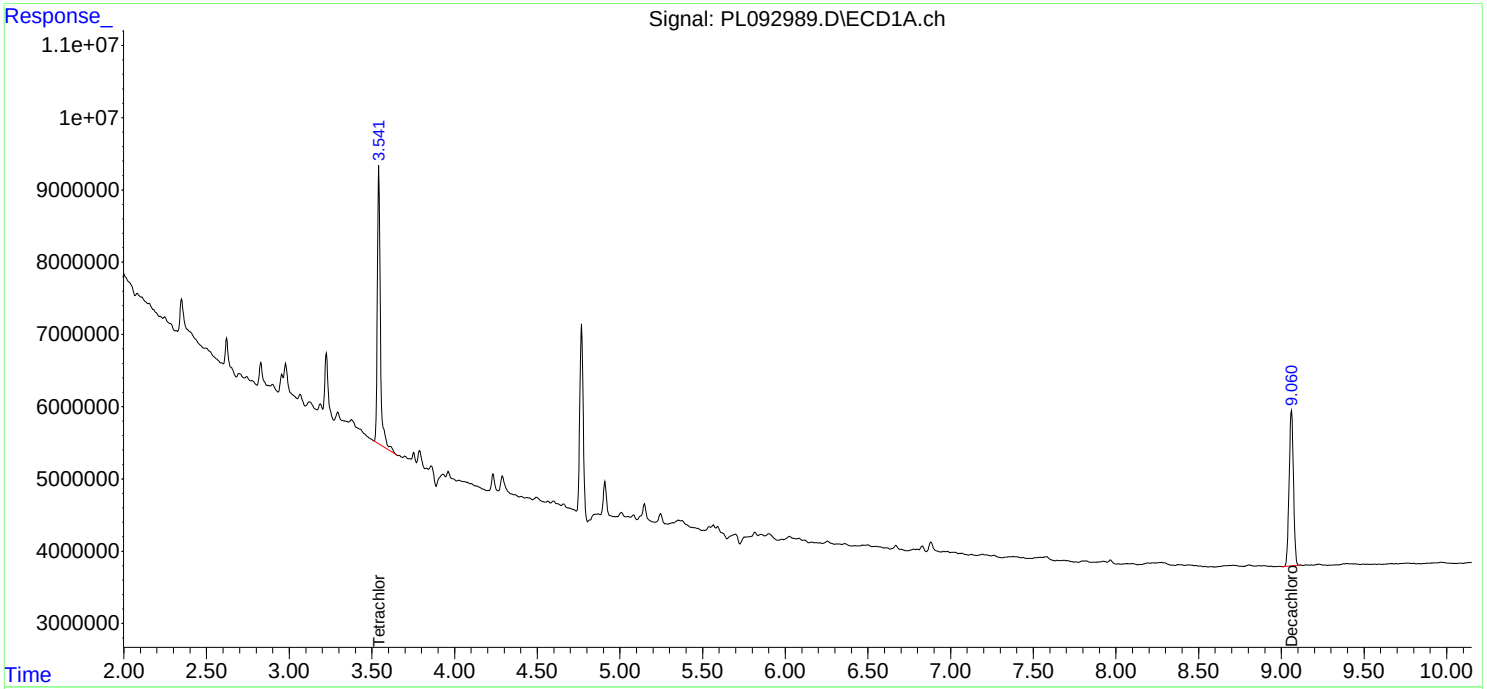
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

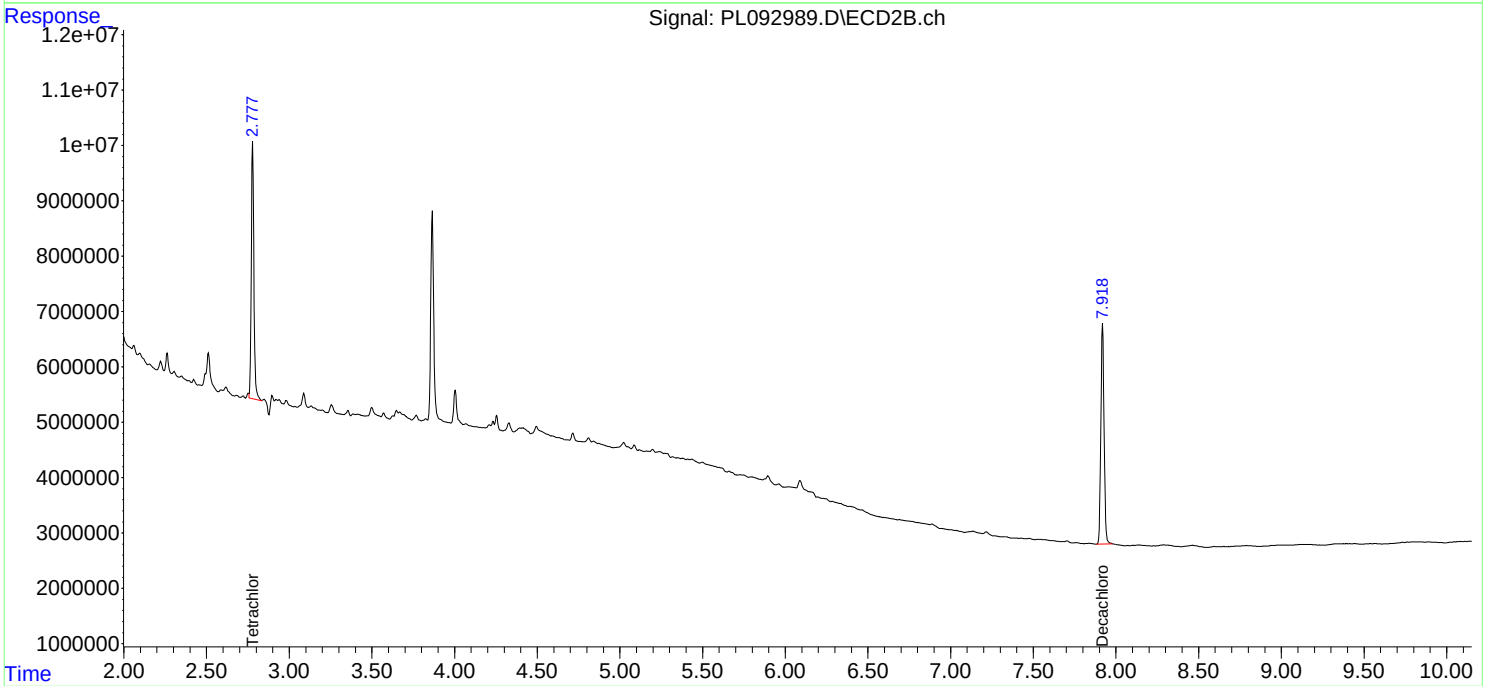
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:10
Operator : AR\AJ
Sample : P4732-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

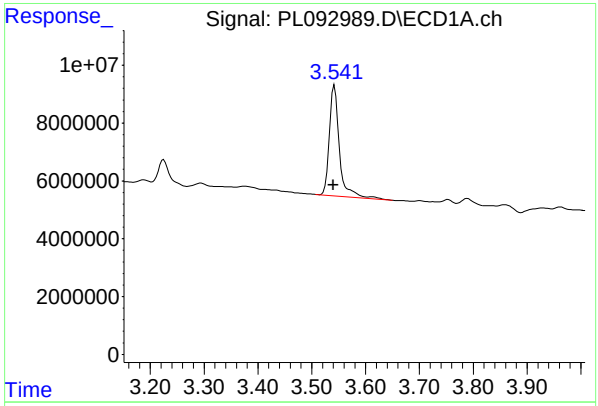
**Instrument :**
ECD_L
**ClientSampleId :**
PPE-COMP

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 06:30:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



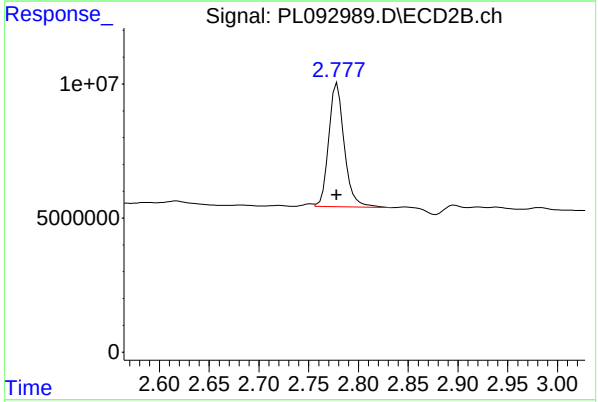






#1 Tetrachloro-m-xylene

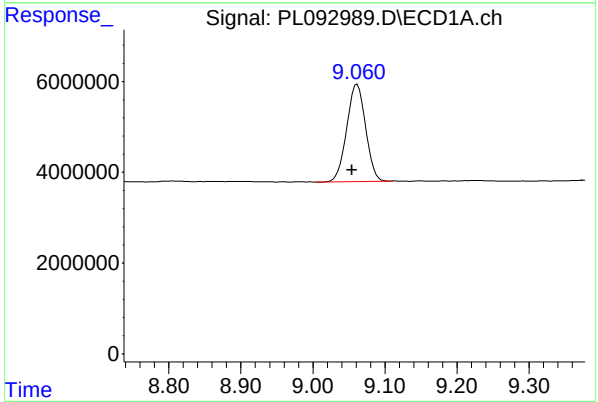
R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 49561592
Conc: 20.23 ng/m

**Instrument :**
ECD_L
**ClientSampleId :**
PPE-COMP



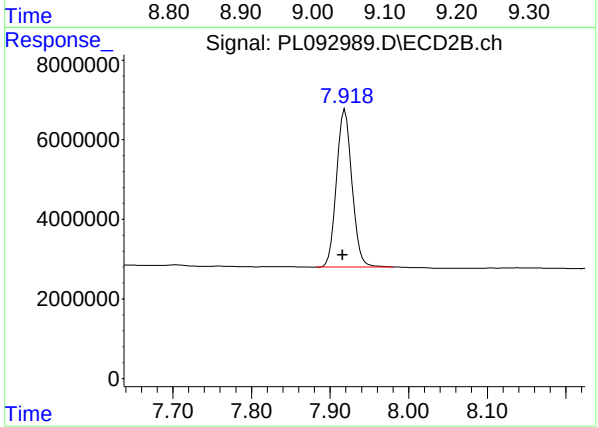

#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 50065611
Conc: 18.40 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.007 min
Response: 38952488
Conc: 20.24 ng/ml




#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.003 min
Response: 54204889
Conc: 19.86 ng/ml

Raw Data: **PL092946.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | |
| Project: | PPE Contamination | Date Received: | 11/10/24 |
| Client Sample ID: | PB164694TB | SDG No.: | P4732 |
| Lab Sample ID: | PB164694TB | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092946.D | 1 | 11/10/24 08:44 | 11/11/24 12:40 | PB164849 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.049 | U | 0.049 | 0.50 | ug/L |
| 76-44-8 | Heptachlor | 0.054 | U | 0.054 | 0.50 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.090 | U | 0.090 | 0.50 | ug/L |
| 72-20-8 | Endrin | 0.043 | U | 0.043 | 0.50 | ug/L |
| 72-43-5 | Methoxychlor | 0.11 | U | 0.11 | 0.50 | ug/L |
| 8001-35-2 | Toxaphene | 1.50 | U | 1.50 | 10.0 | ug/L |
| 57-74-9 | Chlordane | 0.82 | U | 0.82 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.2 | | 43 - 140 | 106% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.6 | | 77 - 126 | 103% | SPK: 20 |

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: **PL092946.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:40
Operator : AR\AJ
Sample : PB164694TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PB164694TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:48:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.779 | 50543817 | 54730479 | 20.628 | 20.113 |
| 28) | SA Decachlor... | 9.062 | 7.919 | 40873416 | 56699558 | 21.238 | 20.775 |
| | Target Compounds | | | | | | |

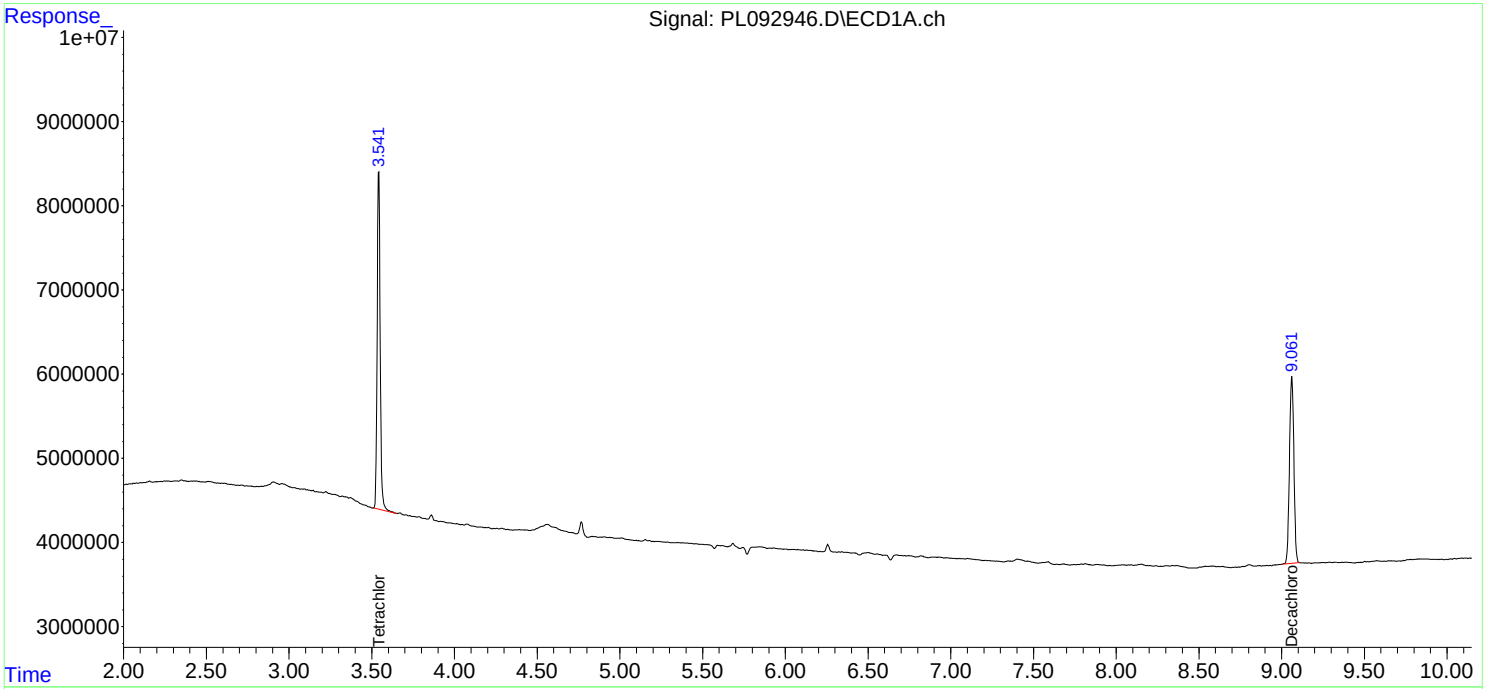
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

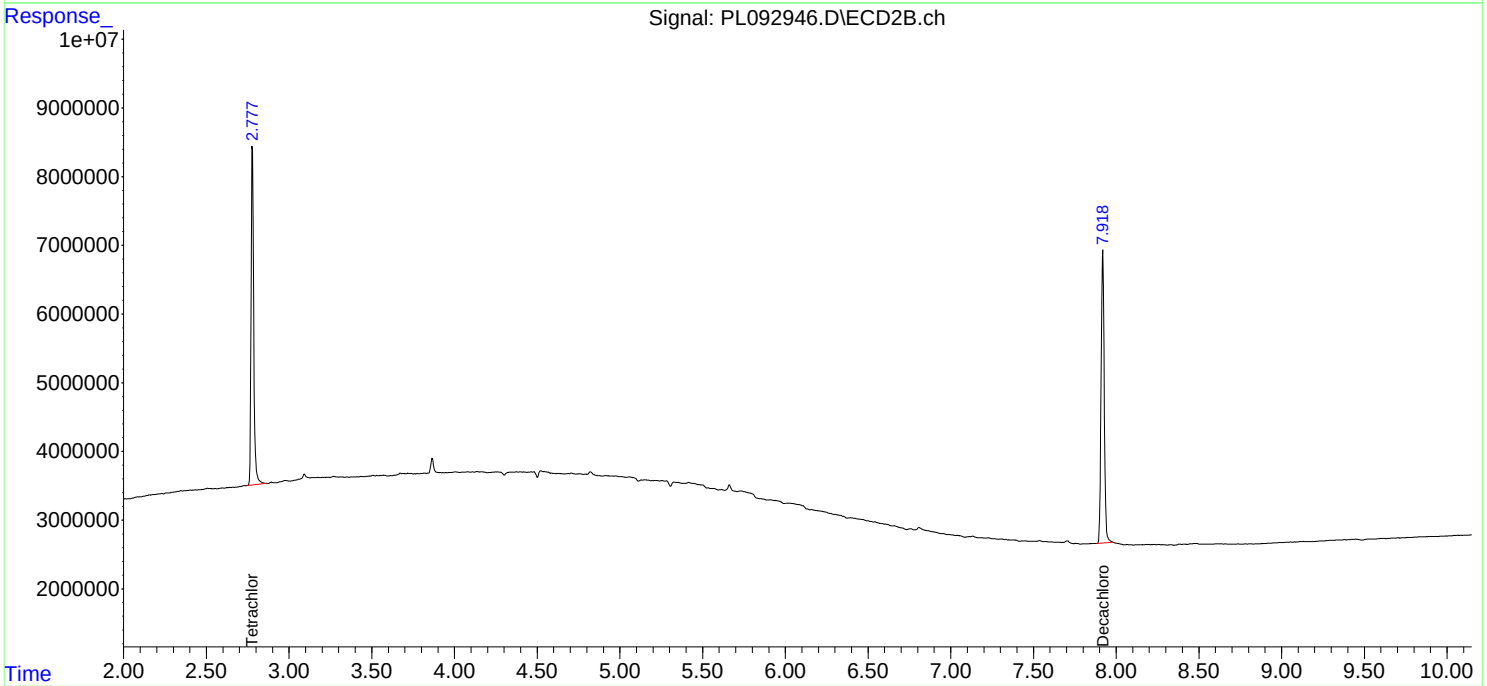
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:40
Operator : AR\AJ
Sample : PB164694TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

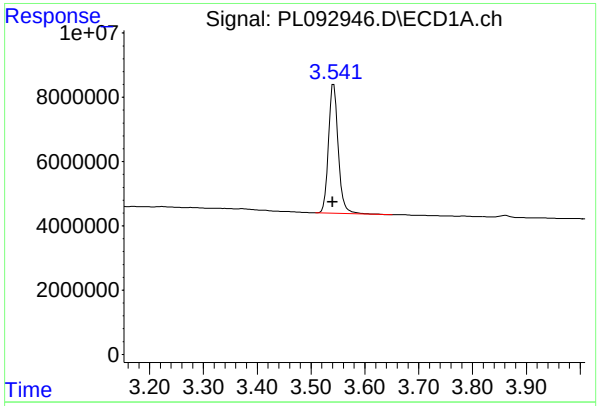
**Instrument :**
ECD_L
**ClientSampleId :**
PB164694TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:48:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



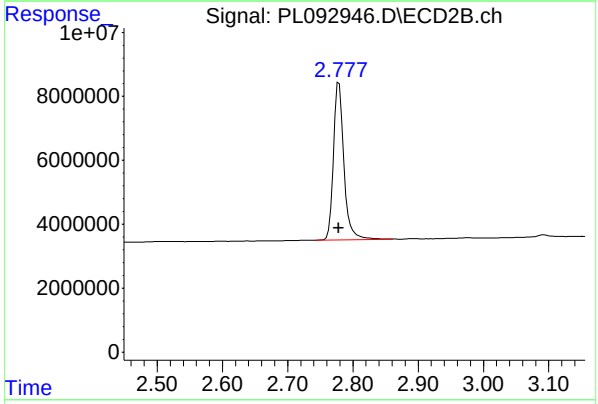






#1 Tetrachloro-m-xylene

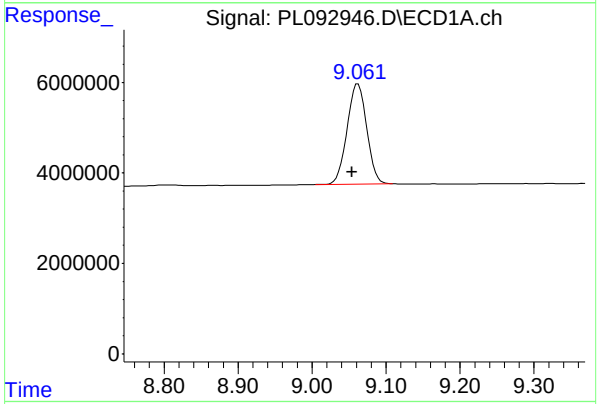
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 50543817
Conc: 20.63 ng/ml

**Instrument :**
ECD_L
**ClientSampleId :**
PB164694TB



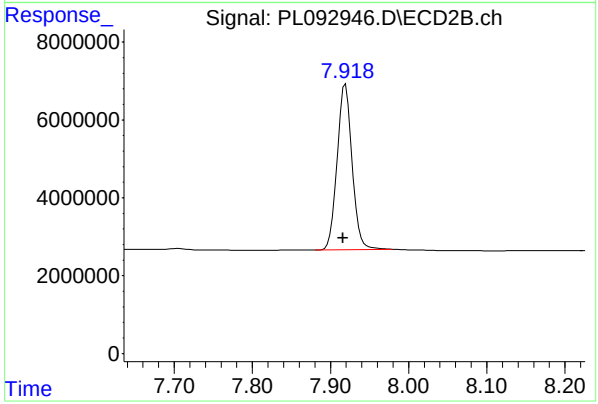

#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 54730479
Conc: 20.11 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.008 min
Response: 40873416
Conc: 21.24 ng/ml




#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.003 min
Response: 56699558
Conc: 20.77 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

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Instrument ID:** ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

**Calibration Times:** 14:43 15:36

---

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

**LAB FILE ID:** **RT 100 =** PL092655.D **RT 075 =** PL092656.D

**RT 050 =** PL092657.D **RT 025 =** PL092658.D **RT 005 =** PL092659.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.05 | 9.05 | 9.05 | 9.05 | 9.05 | 9.05 | 8.95 | 9.15 |
| Endrin | 6.58 | 6.58 | 6.57 | 6.57 | 6.57 | 6.57 | 6.47 | 6.67 |
| gamma-BHC (Lindane) | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.23 | 4.43 |
| Heptachlor | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.68 | 5.69 | 5.68 | 5.68 | 5.58 | 5.78 |
| Methoxychlor | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.40 | 7.60 |
| Tetrachloro-m-xylene | 3.54 | 3.54 | 3.54 | 3.54 | 3.54 | 3.54 | 3.44 | 3.64 |

Raw Data

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Instrument ID:** ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

**Calibration Times:** 14:43 15:36

---

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

**LAB FILE ID:** **RT 100 =** PL092655.D **RT 075 =** PL092656.D

**RT 050 =** PL092657.D **RT 025 =** PL092658.D **RT 005 =** PL092659.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.92 | 7.92 | 7.92 | 7.92 | 7.92 | 7.92 | 7.82 | 8.02 |
| Endrin | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.54 | 5.74 |
| gamma-BHC (Lindane) | 3.61 | 3.61 | 3.61 | 3.61 | 3.61 | 3.61 | 3.51 | 3.71 |
| Heptachlor | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.85 | 4.05 |
| Heptachlor epoxide | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Methoxychlor | 6.61 | 6.62 | 6.62 | 6.62 | 6.61 | 6.61 | 6.51 | 6.71 |
| Tetrachloro-m-xylene | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.68 | 2.88 |

Raw Data

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

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Instrument ID:** ECD_L

**Calibration Date(s):** 10/28/2024 10/28/2024

**Calibration Times:** 14:43 15:36

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

**LAB FILE ID:** **CF 100 =** PL092655.D **CF 075 =** PL092656.D

**CF 050 =** PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 1738840000 | 1756630000 | 1819720000 | 1998760000 | 2308800000 | 1924550000 | 12 |
| Endrin | 2111540000 | 2103000000 | 2121260000 | 2324460000 | 2723040000 | 2276660000 | 12 |
| gamma-BHC (Lindane) | 3198960000 | 3133030000 | 3104430000 | 3278360000 | 3583040000 | 3259560000 | 6 |
| Heptachlor | 2817300000 | 2795570000 | 2829220000 | 3064000000 | 3509480000 | 3003110000 | 10 |
| Heptachlor epoxide | 2536240000 | 2521530000 | 2566410000 | 2821600000 | 3361270000 | 2761410000 | 13 |
| Methoxychlor | 1040530000 | 1050870000 | 1078280000 | 1189160000 | 1341160000 | 1140000000 | 11 |
| Tetrachloro-m-xylene | 2319350000 | 2304070000 | 2328420000 | 2512350000 | 2786990000 | 2450240000 | 8 |

Raw Data

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Fax : 908 789 8922

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Instrument ID:** ECD_L

**Calibration Date(s):** 10/28/2024 10/28/2024

**Calibration Times:** 14:43 15:36

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

**LAB FILE ID:** **CF 100 =** PL092655.D **CF 075 =** PL092656.D

**CF 050 =** PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 2606810000 | 2575500000 | 2605540000 | 2793460000 | 3064890000 | 2729240000 | 8 |
| Endrin | 2969490000 | 2878380000 | 2828080000 | 2876210000 | 2912860000 | 2893010000 | 2 |
| gamma-BHC (Lindane) | 4083950000 | 3934430000 | 3833920000 | 3828430000 | 3616530000 | 3859450000 | 4 |
| Heptachlor | 3876200000 | 3766580000 | 3709120000 | 3779090000 | 3738650000 | 3773930000 | 2 |
| Heptachlor epoxide | 3405420000 | 3318630000 | 3272090000 | 3352830000 | 3358060000 | 3341410000 | 1 |
| Methoxychlor | 1400820000 | 1385450000 | 1393920000 | 1470360000 | 1489590000 | 1428030000 | 3 |
| Tetrachloro-m-xylene | 2724750000 | 2661560000 | 2643180000 | 2728430000 | 2847900000 | 2721160000 | 3 |

Raw Data

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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Instrument ID:** ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Chlordane | 500 | 1 | 4.70 | 4.60 | 4.80 | 106996000 |
| | | 2 | 5.23 | 5.13 | 5.33 | 110397000 |
| | | 3 | 5.94 | 5.84 | 6.04 | 372388000 |
| | | 4 | 6.02 | 5.92 | 6.12 | 458405000 |
| | | 5 | 6.87 | 6.77 | 6.97 | 92161100 |
| Toxaphene | 500 | 1 | 6.24 | 6.14 | 6.34 | 23962400 |
| | | 2 | 6.44 | 6.34 | 6.54 | 13823600 |
| | | 3 | 7.06 | 6.96 | 7.16 | 79159800 |
| | | 4 | 7.15 | 7.05 | 7.25 | 59803700 |
| | | 5 | 7.93 | 7.83 | 8.03 | 45329200 |

Raw Data

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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Instrument ID:** ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Chlordane | 500 | 1 | 3.78 | 3.68 | 3.88 | 105092000 |
| | | 2 | 4.35 | 4.25 | 4.45 | 120641000 |
| | | 3 | 4.98 | 4.88 | 5.08 | 361048000 |
| | | 4 | 5.05 | 4.95 | 5.15 | 346821000 |
| | | 5 | 5.94 | 5.84 | 6.04 | 124060000 |
| Toxaphene | 500 | 1 | 5.01 | 4.91 | 5.11 | 19952700 |
| | | 2 | 5.33 | 5.23 | 5.43 | 19749600 |
| | | 3 | 6.61 | 6.51 | 6.71 | 70222500 |
| | | 4 | 6.73 | 6.63 | 6.83 | 98337700 |
| | | 5 | 7.05 | 6.95 | 7.15 | 65479700 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | SA | Tetrachlo... | 3.540 | 2.778 | 231.9E6 | 272.5E6 | 99.805 | 101.520 |
| 28) | SA | Decachlor... | 9.054 | 7.915 | 173.9E6 | 260.7E6 | 97.727 | 100.024 |
| | | Target Compounds | | | | | | |
| 2) | A | alpha-BHC | 3.996 | 3.281 | 335.7E6 | 428.2E6 | 101.915 | 103.738 |
| 3) | MA | gamma-BHC... | 4.328 | 3.611 | 319.9E6 | 408.4E6 | 101.500 | 103.158 |
| 4) | MA | Heptachlor | 4.917 | 3.950 | 281.7E6 | 387.6E6 | 99.789 | 102.203 |
| 5) | MB | Aldrin | 5.258 | 4.230 | 284.7E6 | 384.1E6 | 100.711 | 102.971 |
| 6) | B | beta-BHC | 4.525 | 3.910 | 134.3E6 | 162.5E6 | 99.068 | 101.057 |
| 7) | B | delta-BHC | 4.773 | 4.139 | 306.8E6 | 408.8E6 | 101.972 | 103.616 |
| 8) | B | Heptachlo... | 5.685 | 4.732 | 253.6E6 | 340.5E6 | 99.409 | 101.997 |
| 9) | A | Endosulfan I | 6.070 | 5.102 | 232.1E6 | 311.1E6 | 99.407 | 101.931 |
| 10) | B | gamma-Chl... | 5.940 | 4.982 | 249.7E6 | 347.0E6 | 100.095 | 102.605 |
| 11) | B | alpha-Chl... | 6.019 | 5.046 | 248.7E6 | 340.9E6 | 99.933 | 102.323 |
| 12) | B | 4,4'-DDE | 6.193 | 5.235 | 225.4E6 | 333.5E6 | 100.536 | 102.774 |
| 13) | MA | Dieldrin | 6.345 | 5.366 | 248.7E6 | 348.3E6 | 100.220 | 102.853 |
| 14) | MA | Endrin | 6.575 | 5.641 | 211.2E6 | 296.9E6 | 99.771 | 102.439 |
| 15) | B | Endosulfa... | 6.794 | 5.936 | 216.0E6 | 288.2E6 | 98.961 | 101.794 |
| 16) | A | 4,4'-DDD | 6.710 | 5.789 | 181.0E6 | 261.5E6 | 99.788 | 103.390 |
| 17) | MA | 4,4'-DDT | 7.024 | 6.039 | 194.9E6 | 279.7E6 | 100.211 | 102.948 |
| 18) | B | Endrin al... | 6.924 | 6.115 | 171.2E6 | 227.4E6 | 98.679 | 100.967 |
| 19) | B | Endosulfa... | 7.158 | 6.338 | 197.4E6 | 270.8E6 | 98.735 | 101.573 |
| 20) | A | Methoxychlor | 7.500 | 6.614 | 104.1E6 | 140.1E6 | 98.219 | 100.247 |
| 21) | B | Endrin ke... | 7.643 | 6.843 | 225.4E6 | 309.0E6 | 99.557 | 101.257 |
| 22) | | Mirex | 8.117 | 7.024 | 176.1E6 | 246.6E6 | 97.640 | 99.464 |

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

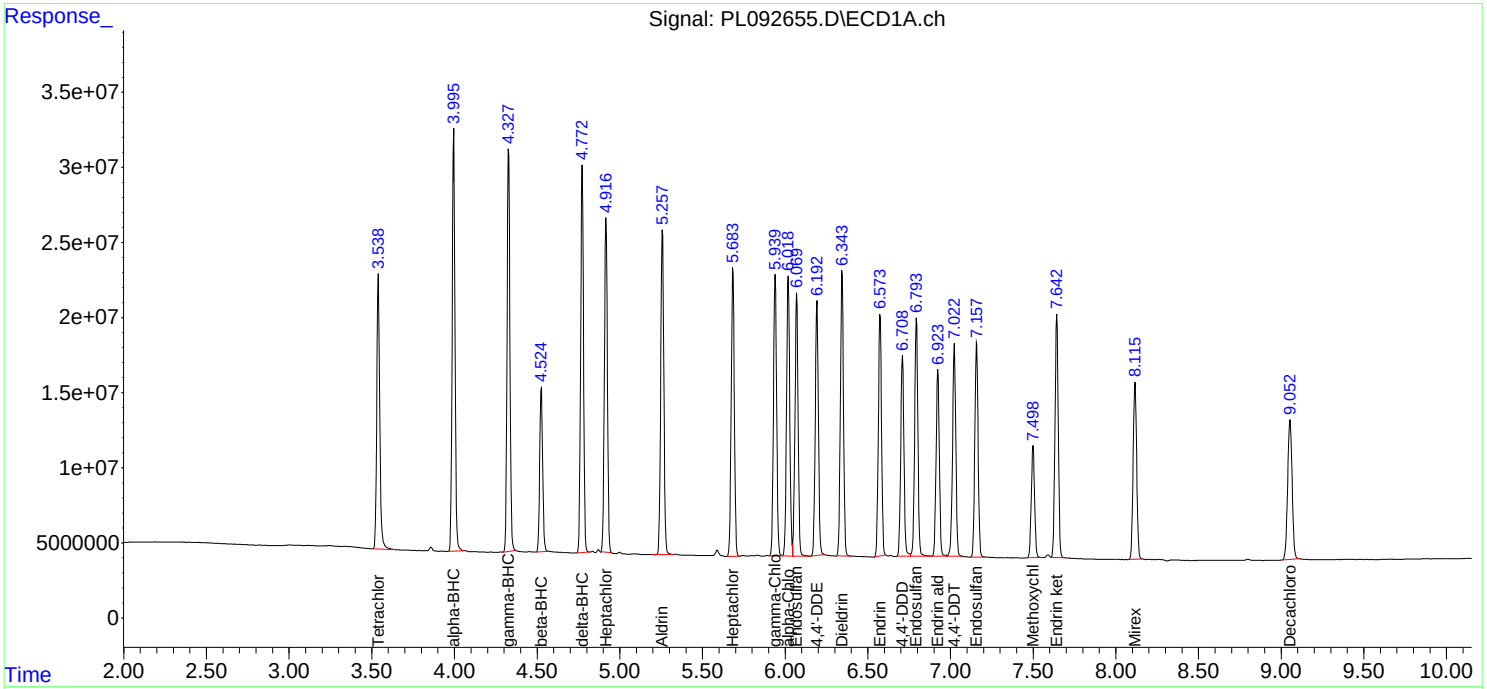
ICAL Form

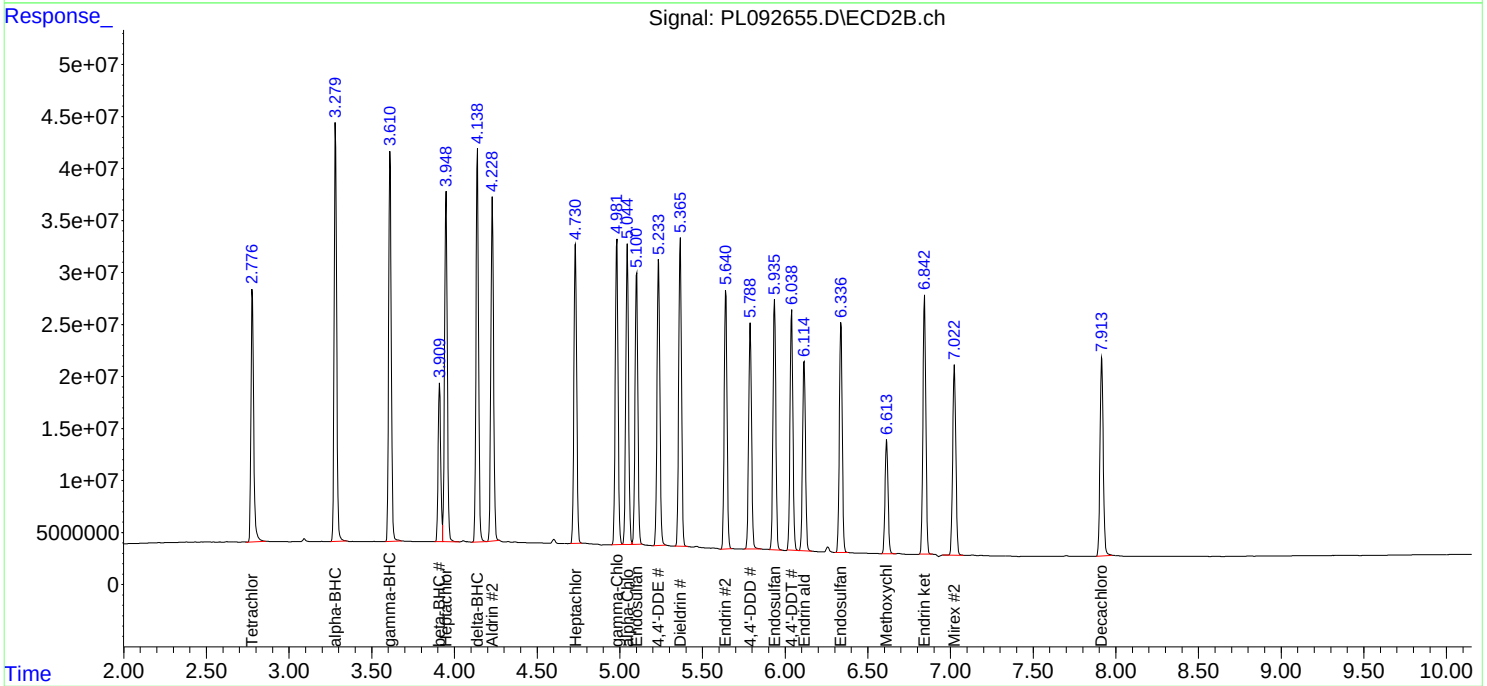
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | SA | Tetrachlo... | 3.540 | 2.778 | 172.8E6 | 199.6E6 | 74.573 | 74.581 |
| 28) | SA | Decachlor... | 9.054 | 7.916 | 131.7E6 | 193.2E6 | 74.361 | 74.409 |
| | | Target Compounds | | | | | | |
| 2) | A | alpha-BHC | 3.996 | 3.281 | 245.4E6 | 306.7E6 | 74.672 | 74.526 |
| 3) | MA | gamma-BHC... | 4.328 | 3.611 | 235.0E6 | 295.1E6 | 74.703 | 74.690 |
| 4) | MA | Heptachlor | 4.917 | 3.950 | 209.7E6 | 282.5E6 | 74.508 | 74.655 |
| 5) | MB | Aldrin | 5.259 | 4.230 | 210.2E6 | 277.9E6 | 74.567 | 74.665 |
| 6) | B | beta-BHC | 4.526 | 3.911 | 100.4E6 | 119.6E6 | 74.376 | 74.585 |
| 7) | B | delta-BHC | 4.773 | 4.140 | 223.5E6 | 294.4E6 | 74.528 | 74.738 |
| 8) | B | Heptachlo... | 5.685 | 4.733 | 189.1E6 | 248.9E6 | 74.414 | 74.698 |
| 9) | A | Endosulfan I | 6.070 | 5.103 | 173.5E6 | 227.5E6 | 74.558 | 74.676 |
| 10) | B | gamma-Chl... | 5.941 | 4.982 | 185.8E6 | 251.7E6 | 74.671 | 74.608 |
| 11) | B | alpha-Chl... | 6.019 | 5.047 | 185.2E6 | 247.8E6 | 74.613 | 74.571 |
| 12) | B | 4,4'-DDE | 6.193 | 5.235 | 167.0E6 | 241.9E6 | 74.650 | 74.705 |
| 13) | MA | Dieldrin | 6.345 | 5.366 | 184.3E6 | 252.3E6 | 74.504 | 74.669 |
| 14) | MA | Endrin | 6.575 | 5.642 | 157.7E6 | 215.9E6 | 74.683 | 74.647 |
| 15) | B | Endosulfa... | 6.794 | 5.937 | 162.1E6 | 211.0E6 | 74.503 | 74.700 |
| 16) | A | 4,4'-DDD | 6.710 | 5.790 | 135.1E6 | 188.0E6 | 74.665 | 74.546 |
| 17) | MA | 4,4'-DDT | 7.024 | 6.040 | 145.0E6 | 203.5E6 | 74.705 | 74.920 |
| 18) | B | Endrin al... | 6.924 | 6.116 | 128.9E6 | 168.3E6 | 74.510 | 74.830 |
| 19) | B | Endosulfa... | 7.159 | 6.339 | 148.5E6 | 198.5E6 | 74.498 | 74.635 |
| 20) | A | Methoxychlor | 7.500 | 6.615 | 78815004 | 103.9E6 | 74.596 | 74.572 |
| 21) | B | Endrin ke... | 7.643 | 6.844 | 168.5E6 | 226.7E6 | 74.619 | 74.533 |
| 22) | | Mirex | 8.117 | 7.024 | 133.9E6 | 183.5E6 | 74.491 | 74.331 |

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

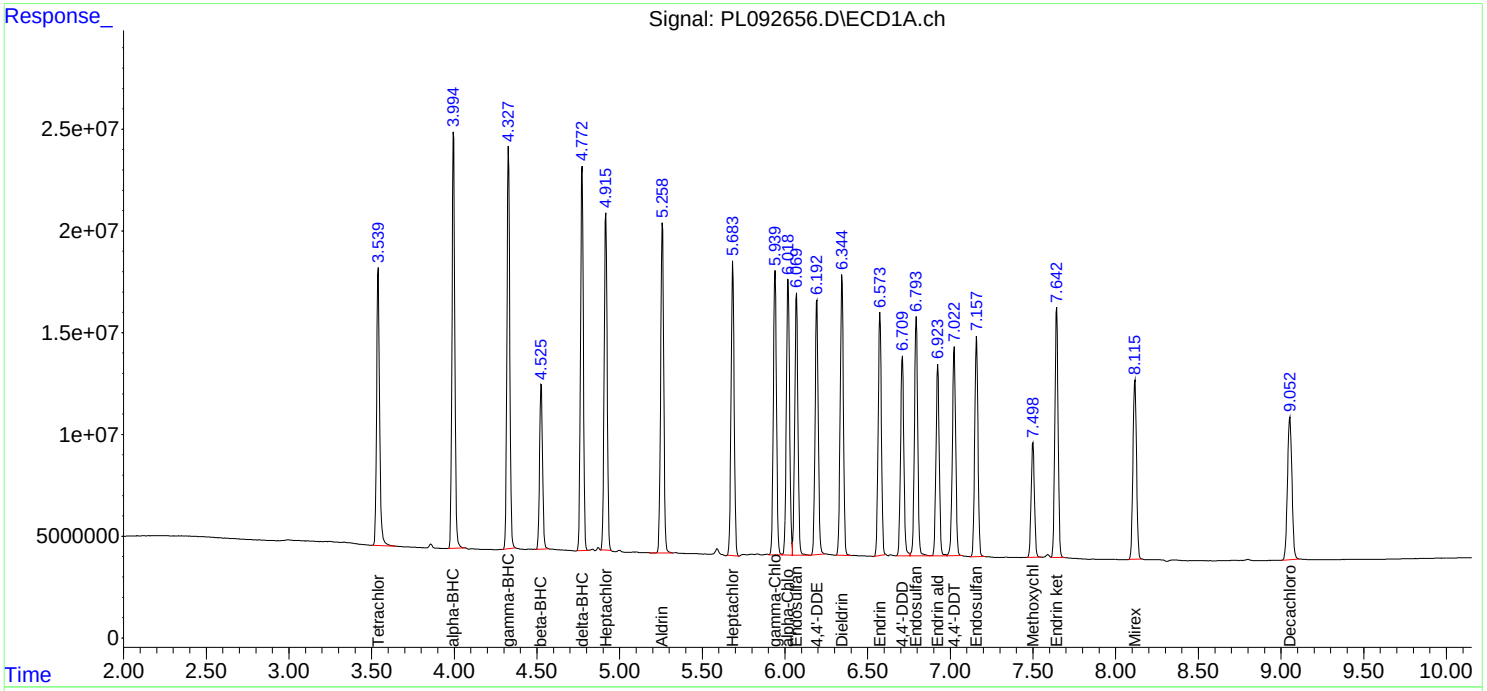
ICAL Form

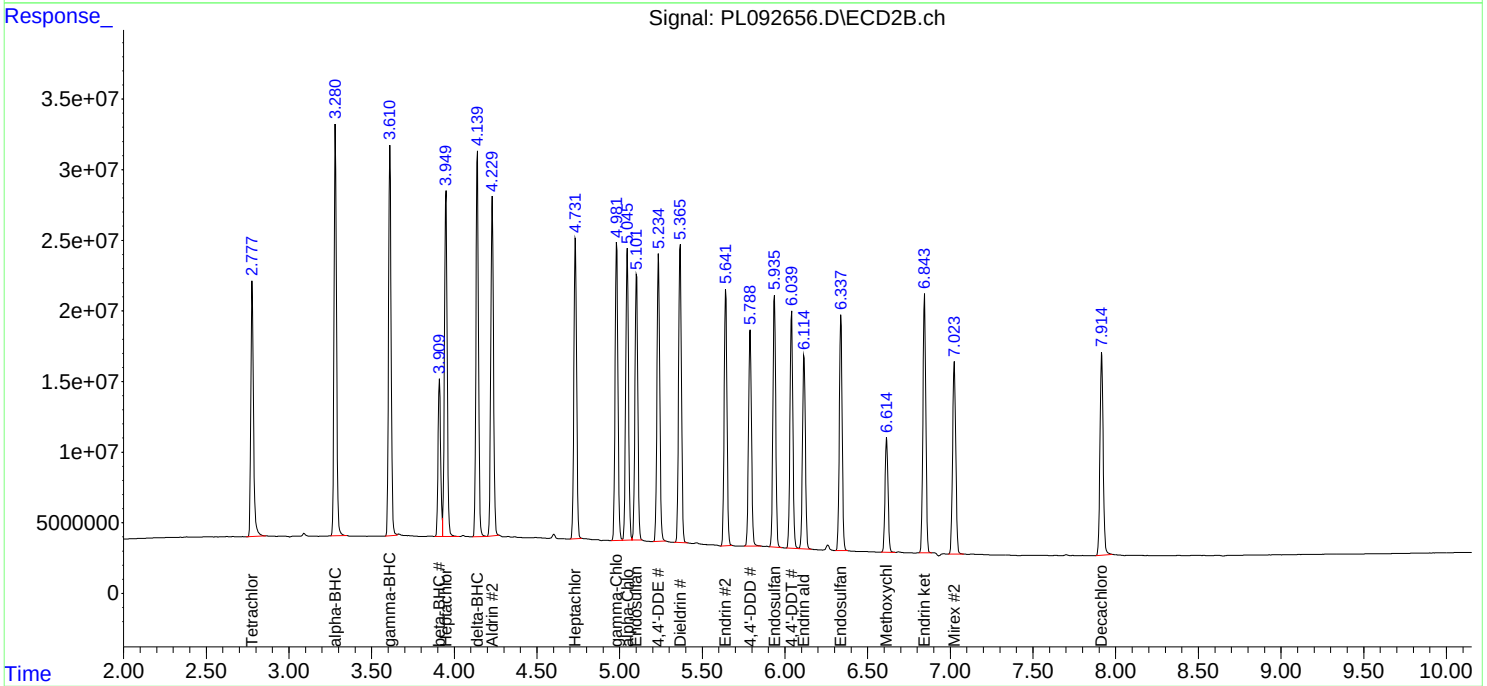
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | SA | Tetrachlo... | 3.540 | 2.778 | 116.4E6 | 132.2E6 | 50.000 | 50.000 |
| 28) | SA | Decachlor... | 9.054 | 7.916 | 90985898 | 130.3E6 | 50.000 | 50.000 |
| | | Target Compounds | | | | | | |
| 2) | A | alpha-BHC | 3.996 | 3.281 | 161.5E6 | 198.7E6 | 50.000 | 50.000 |
| 3) | MA | gamma-BHC... | 4.328 | 3.611 | 155.2E6 | 191.7E6 | 50.000 | 50.000 |
| 4) | MA | Heptachlor | 4.917 | 3.949 | 141.5E6 | 185.5E6 | 50.000 | 50.000 |
| 5) | MB | Aldrin | 5.258 | 4.229 | 140.4E6 | 181.0E6 | 50.000 | 50.000 |
| 6) | B | beta-BHC | 4.525 | 3.910 | 68426712 | 79558092 | 50.000 | 50.000 |
| 7) | B | delta-BHC | 4.772 | 4.139 | 147.5E6 | 190.1E6 | 50.000 | 50.000 |
| 8) | B | Heptachlo... | 5.684 | 4.732 | 128.3E6 | 163.6E6 | 50.000 | 50.000 |
| 9) | A | Endosulfan I | 6.070 | 5.102 | 117.4E6 | 149.7E6 | 50.000 | 50.000 |
| 10) | B | gamma-Chl... | 5.941 | 4.982 | 124.6E6 | 164.7E6 | 50.000 | 50.000 |
| 11) | B | alpha-Chl... | 6.019 | 5.045 | 124.5E6 | 162.7E6 | 50.000 | 50.000 |
| 12) | B | 4,4'-DDE | 6.193 | 5.235 | 111.5E6 | 157.7E6 | 50.000 | 50.000 |
| 13) | MA | Dieldrin | 6.345 | 5.366 | 123.8E6 | 164.5E6 | 50.000 | 50.000 |
| 14) | MA | Endrin | 6.574 | 5.641 | 106.1E6 | 141.4E6 | 50.000 | 50.000 |
| 15) | B | Endosulfa... | 6.794 | 5.936 | 110.3E6 | 139.0E6 | 50.000 | 50.000 |
| 16) | A | 4,4'-DDD | 6.710 | 5.789 | 90898841 | 122.2E6 | 50.000 | 50.000 |
| 17) | MA | 4,4'-DDT | 7.023 | 6.040 | 97035972 | 131.9E6 | 50.000 | 50.000 |
| 18) | B | Endrin al... | 6.924 | 6.115 | 87908093 | 111.5E6 | 50.000 | 50.000 |
| 19) | B | Endosulfa... | 7.158 | 6.338 | 101.2E6 | 131.2E6 | 50.000 | 50.000 |
| 20) | A | Methoxychlor | 7.499 | 6.615 | 53913903 | 69696231 | 50.000 | 50.000 |
| 21) | B | Endrin ke... | 7.643 | 6.843 | 113.7E6 | 150.7E6 | 50.000 | 50.000 |
| 22) | | Mirex | 8.116 | 7.024 | 92300183 | 124.6E6 | 50.000 | 50.000 |

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

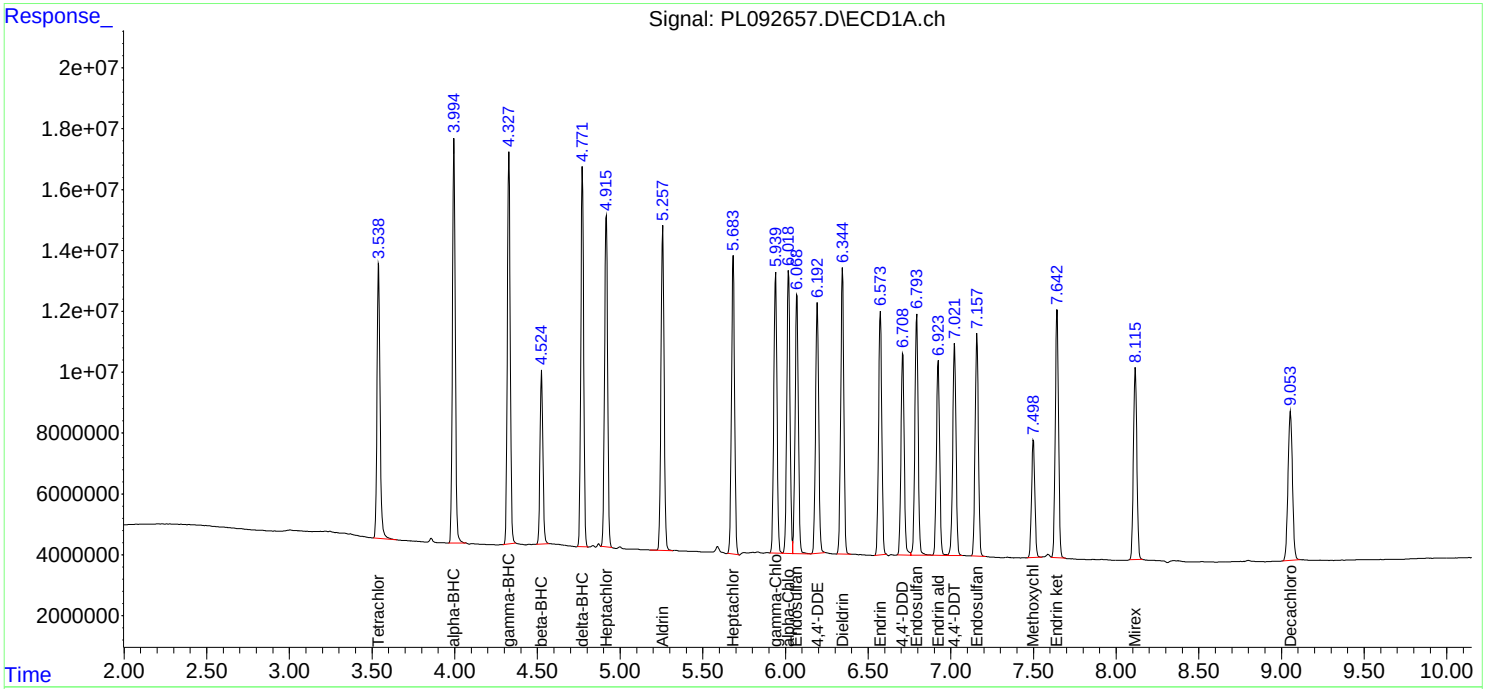
ICAL Form

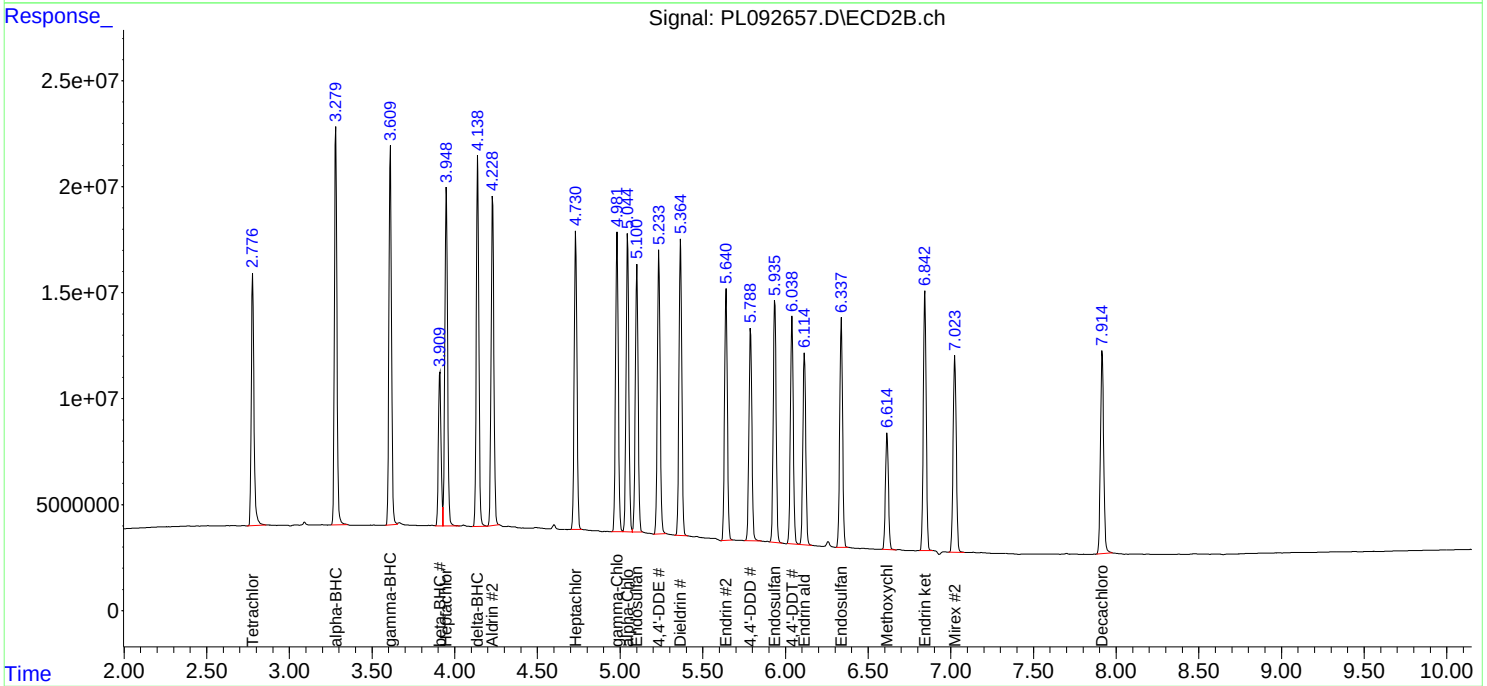
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.540 | 2.778 | 62808688 | 68210857 | 26.546 | 25.362 |
| 28) SA | Decachlor... | 9.054 | 7.916 | 49968947 | 69836578 | 27.328 | 26.400 |
| | Target Compounds | | | | | | |
| 2) A | alpha-BHC | 3.996 | 3.281 | 84927238 | 98362013 | 25.627 | 24.168 |
| 3) MA | gamma-BHC... | 4.328 | 3.611 | 81958950 | 95710712 | 25.784 | 24.415 |
| 4) MA | Heptachlor | 4.917 | 3.950 | 76599935 | 94477178 | 26.629 | 24.976 |
| 5) MB | Aldrin | 5.259 | 4.230 | 76180853 | 90483526 | 26.486 | 24.481 |
| 6) B | beta-BHC | 4.526 | 3.911 | 37295050 | 41549746 | 26.915 | 25.675 |
| 7) B | delta-BHC | 4.773 | 4.140 | 77991786 | 94555626 | 25.748 | 24.249 |
| 8) B | Heptachlo... | 5.685 | 4.732 | 70540111 | 83820686 | 27.012 | 25.117 |
| 9) A | Endosulfan I | 6.070 | 5.102 | 63654358 | 76808476 | 26.720 | 25.162 |
| 10) B | gamma-Chl... | 5.941 | 4.982 | 67586796 | 83550406 | 26.583 | 24.826 |
| 11) B | alpha-Chl... | 6.019 | 5.046 | 67542919 | 83232660 | 26.625 | 25.039 |
| 12) B | 4,4'-DDE | 6.193 | 5.235 | 60061765 | 80248978 | 26.363 | 24.834 |
| 13) MA | Dieldrin | 6.345 | 5.366 | 66985225 | 82586412 | 26.531 | 24.577 |
| 14) MA | Endrin | 6.574 | 5.642 | 58111422 | 71905340 | 26.841 | 24.898 |
| 15) B | Endosulfa... | 6.793 | 5.937 | 61248899 | 71530905 | 27.295 | 25.239 |
| 16) A | 4,4'-DDD | 6.710 | 5.790 | 49194300 | 62230288 | 26.599 | 24.759 |
| 17) MA | 4,4'-DDT | 7.023 | 6.040 | 52836397 | 66342279 | 26.630 | 24.568 |
| 18) B | Endrin al... | 6.923 | 6.116 | 48897872 | 58336435 | 27.376 | 25.694 |
| 19) B | Endosulfa... | 7.158 | 6.339 | 55996056 | 67808739 | 27.255 | 25.373 |
| 20) A | Methoxychlor | 7.499 | 6.615 | 29728906 | 36759011 | 27.282 | 26.022 |
| 21) B | Endrin ke... | 7.643 | 6.844 | 61777342 | 77430982 | 26.728 | 25.339 |
| 22) | Mirex | 8.116 | 7.025 | 51864163 | 67137696 | 27.785 | 26.612 |

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

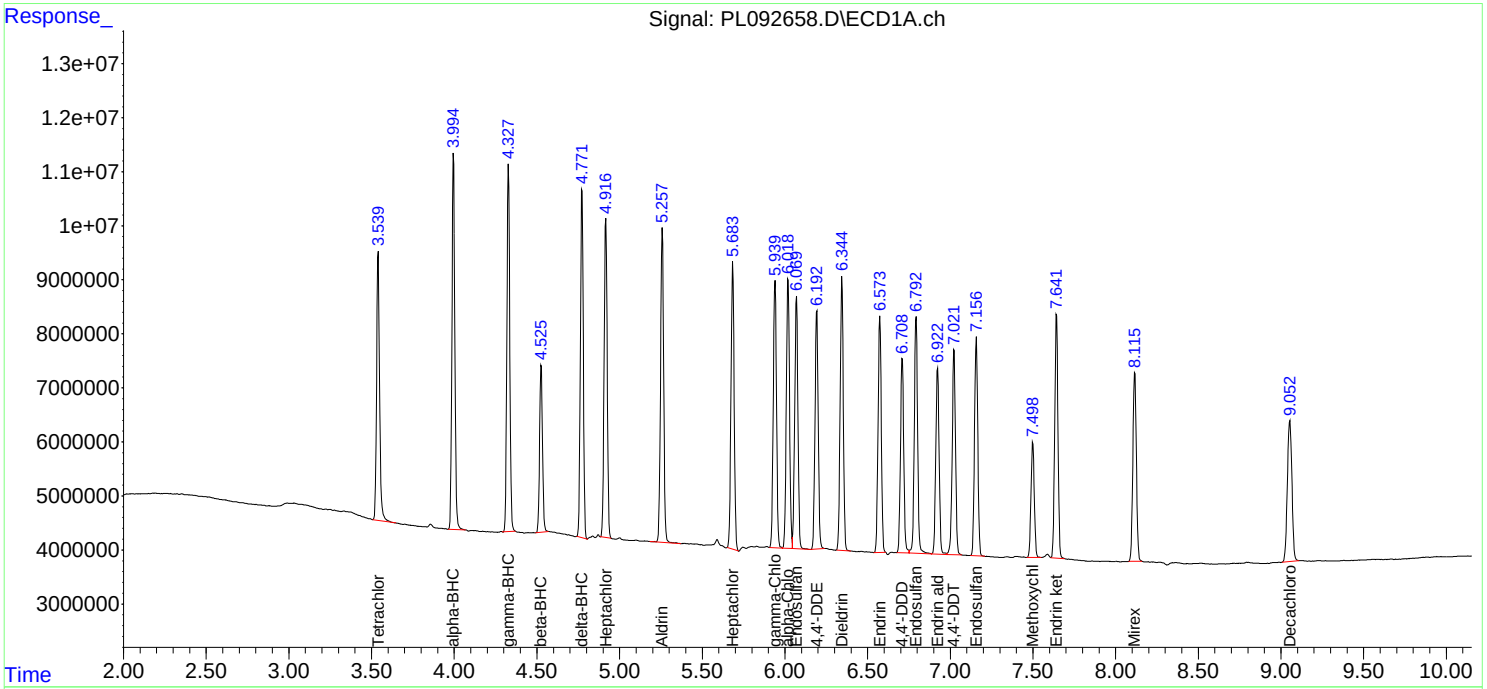
ICAL Form

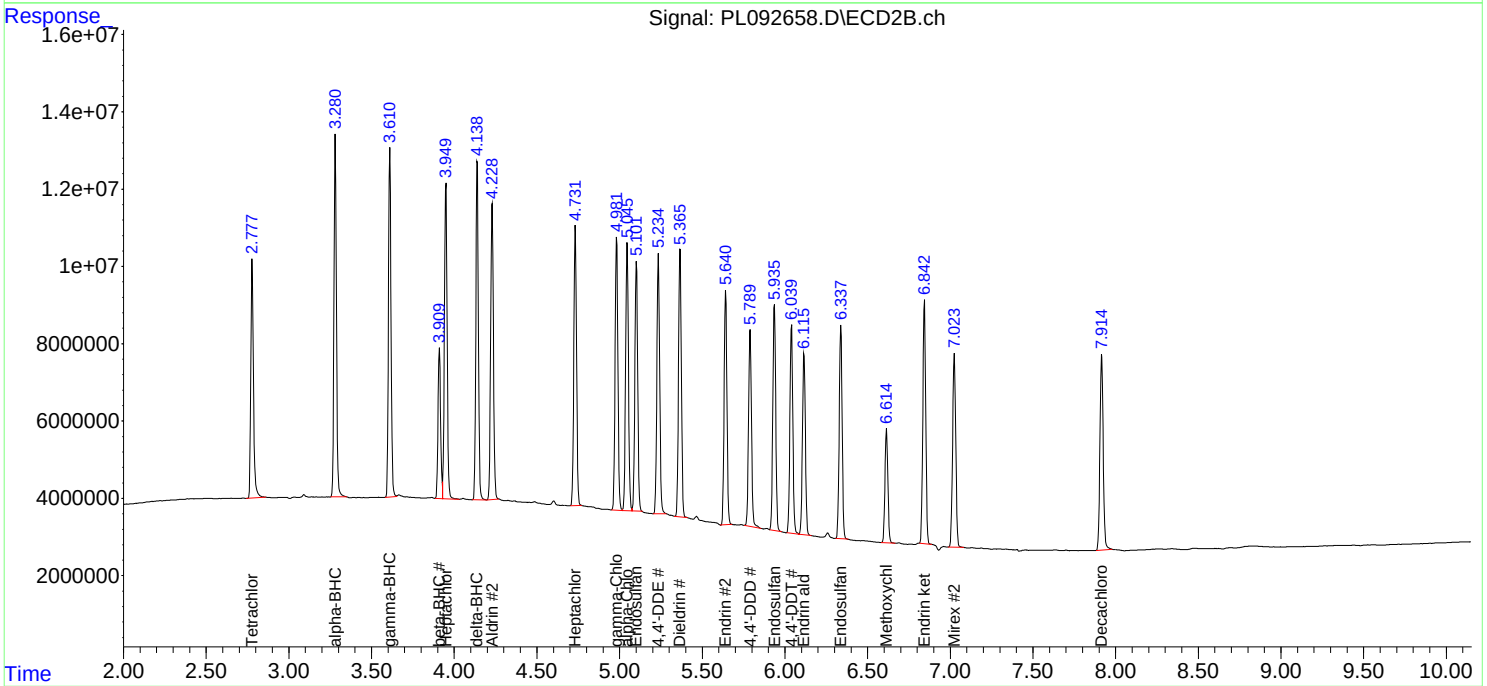
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:36
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.540 | 2.778 | 13934946 | 14239511 | 5.687 | 5.233 |
| 28) SA | Decachlor... | 9.053 | 7.915 | 11544004 | 15324471 | 5.998 | 5.615 |
| | Target Compounds | | | | | | |
| 2) A | alpha-BHC | 3.995 | 3.280 | 18509728 | 18354234 | 5.458 | 4.600 |
| 3) MA | gamma-BHC... | 4.328 | 3.611 | 17915176 | 18082634 | 5.496 | 4.685 |
| 4) MA | Heptachlor | 4.916 | 3.950 | 17547418 | 18693239 | 5.843 | 4.953 |
| 5) MB | Aldrin | 5.258 | 4.229 | 17512022 | 17582981 | 5.834 | 4.804 |
| 6) B | beta-BHC | 4.526 | 3.910 | 8423294 | 8790546 | 5.827 | 5.340 |
| 7) B | delta-BHC | 4.771 | 4.139 | 17664985 | 18090728 | 5.611m | 4.707 |
| 8) B | Heptachlo... | 5.682 | 4.732 | 16806367 | 16790300 | 6.074m | 5.025 |
| 9) A | Endosulfan I | 6.069 | 5.102 | 14888105 | 15277635 | 5.952 | 5.004 |
| 10) B | gamma-Chl... | 5.940 | 4.982 | 15665588 | 16732339 | 5.888 | 4.977 |
| 11) B | alpha-Chl... | 6.019 | 5.046 | 15466528 | 16668126 | 5.841 | 5.011 |
| 12) B | 4,4'-DDE | 6.192 | 5.235 | 13664798 | 15911321 | 5.768 | 4.939 |
| 13) MA | Dieldrin | 6.344 | 5.366 | 15390264 | 16300991 | 5.840 | 4.880 |
| 14) MA | Endrin | 6.573 | 5.641 | 13615222 | 14564290 | 5.980 | 5.034 |
| 15) B | Endosulfa... | 6.793 | 5.936 | 14715849 | 14149758 | 6.173 | 4.994 |
| 16) A | 4,4'-DDD | 6.709 | 5.789 | 10998106 | 11982712 | 5.730 | 4.812 |
| 17) MA | 4,4'-DDT | 7.023 | 6.039 | 12061270 | 13048754 | 5.827 | 4.865 |
| 18) B | Endrin al... | 6.923 | 6.115 | 11226054 | 12274278 | 5.978 | 5.320 |
| 19) B | Endosulfa... | 7.157 | 6.338 | 13167738 | 13973088 | 6.067 | 5.181 |
| 20) A | Methoxychlor | 7.499 | 6.614 | 6705797 | 7447941 | 5.882 | 5.216 |
| 21) B | Endrin ke... | 7.643 | 6.843 | 14342863 | 15604260 | 5.920 | 5.085 |
| 22) | Mirex | 8.116 | 7.024 | 12209643 | 14769955 | 6.161 | 5.661 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:36
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

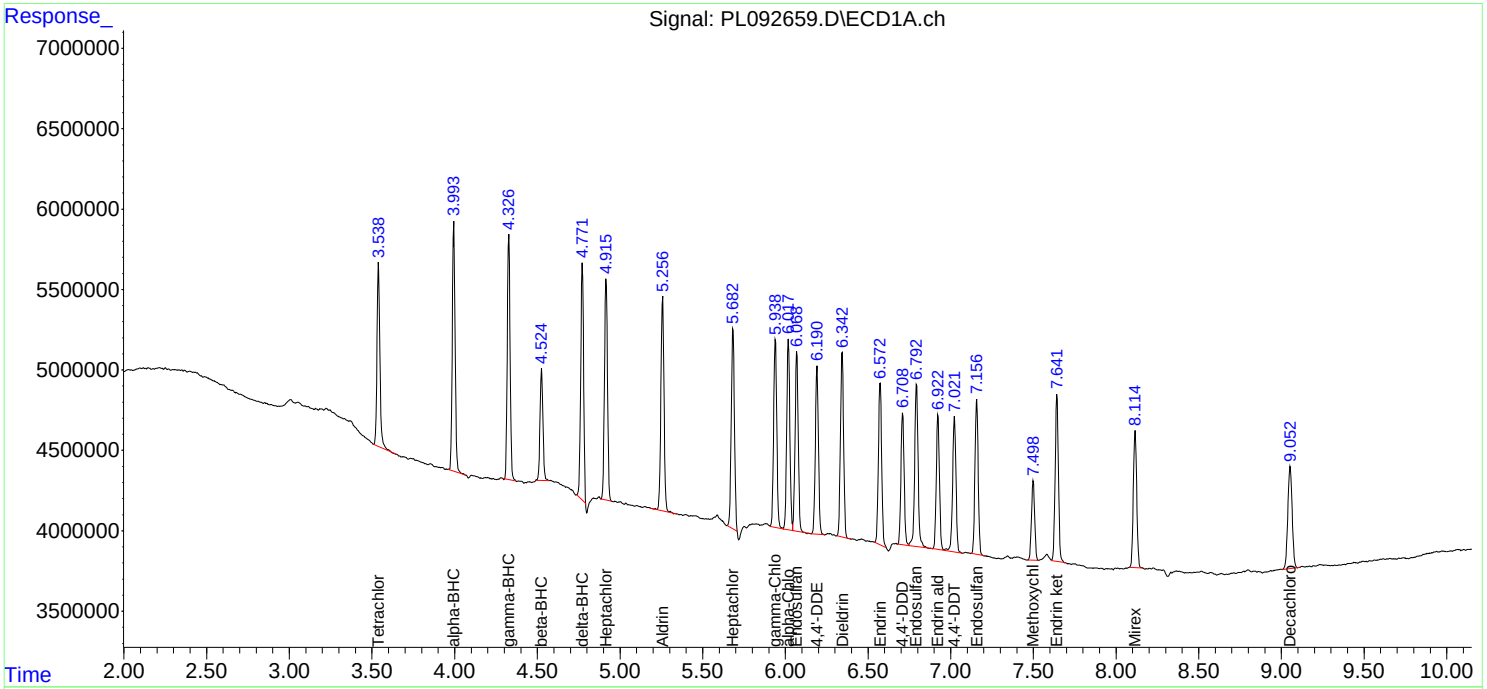
**Instrument :**
ECD_L
**ClientSampleId :**
PSTDICC005

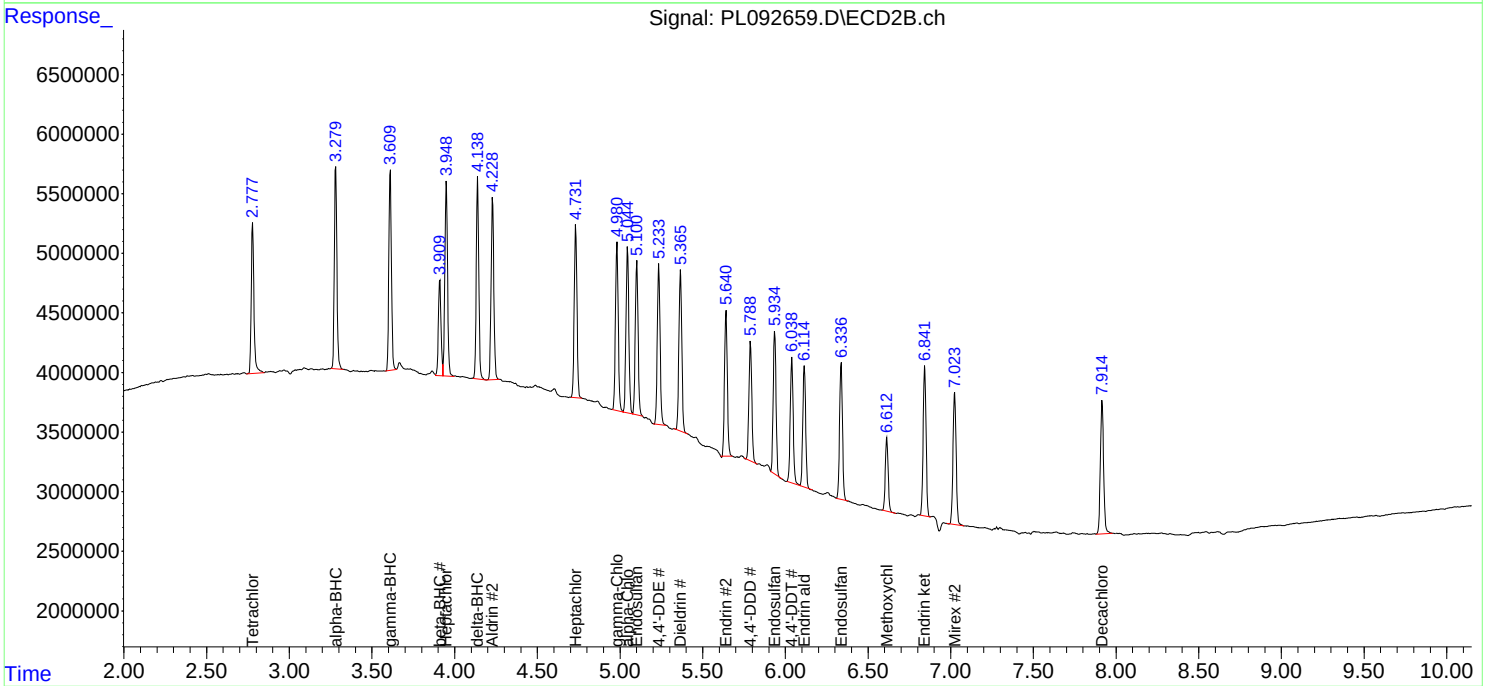
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.540 | 2.777 | 115.3E6 | 161.4E6 | 50.000 | 50.000 |
| 28) SA | Decachlor... | 9.055 | 7.916 | 90689456 | 133.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 23) | Chlordane-1 | 4.702 | 3.776 | 53498186 | 52546046 | 500.000 | 500.000 |
| 24) | Chlordane-2 | 5.231 | 4.352 | 55198384 | 60320369 | 500.000 | 500.000 |
| 25) | Chlordane-3 | 5.941 | 4.982 | 186.2E6 | 180.5E6 | 500.000 | 500.000 |
| 26) | Chlordane-4 | 6.023 | 5.045 | 229.2E6 | 173.4E6 | 500.000 | 500.000 |
| 27) | Chlordane-5 | 6.872 | 5.941 | 46080525 | 62029874 | 500.000 | 500.000 |

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

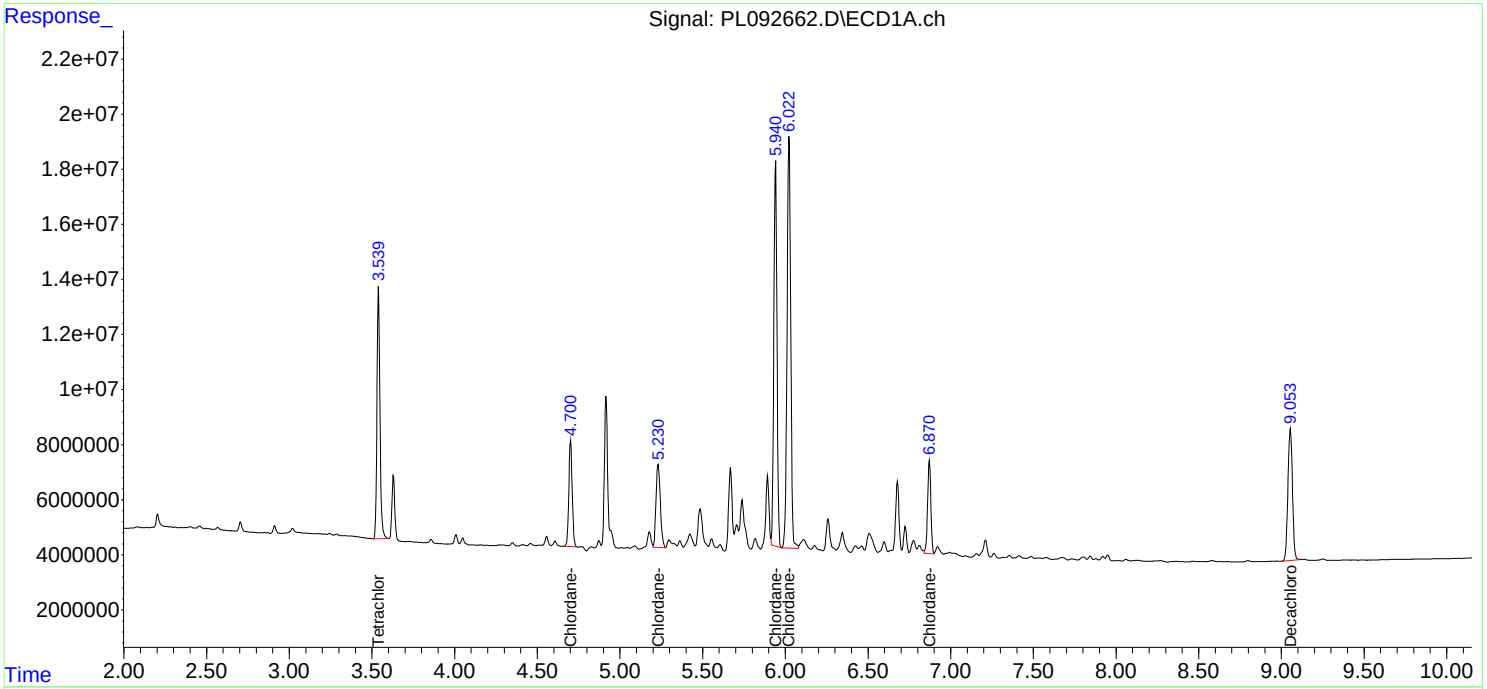
ICAL Form

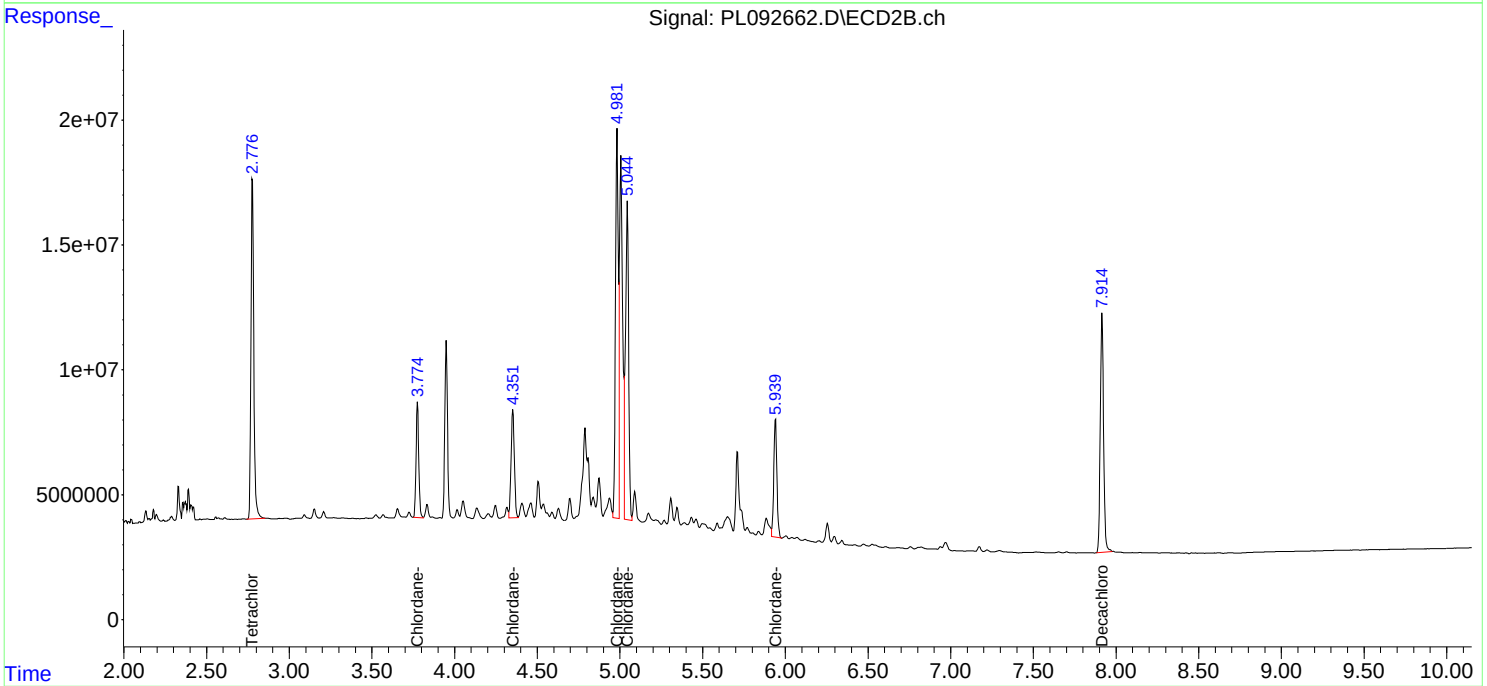
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.540 | 2.778 | 120.2E6 | 137.2E6 | 50.000 | 50.000 |
| 7) SA | Decachlor... | 9.054 | 7.916 | 94872630 | 139.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 2) | Toxaphene-1 | 6.237 | 5.007 | 11981208 | 9976373 | 500.000 | 500.000 |
| 3) | Toxaphene-2 | 6.441 | 5.332 | 6911814 | 9874812 | 500.000 | 500.000 |
| 4) | Toxaphene-3 | 7.058 | 6.605 | 39579915 | 35111261 | 500.000 | 500.000 |
| 5) | Toxaphene-4 | 7.149 | 6.733 | 29901849 | 49168858 | 500.000 | 500.000 |
| 6) | Toxaphene-5 | 7.934 | 7.045 | 22664593 | 32739853 | 500.000 | 500.000 |

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

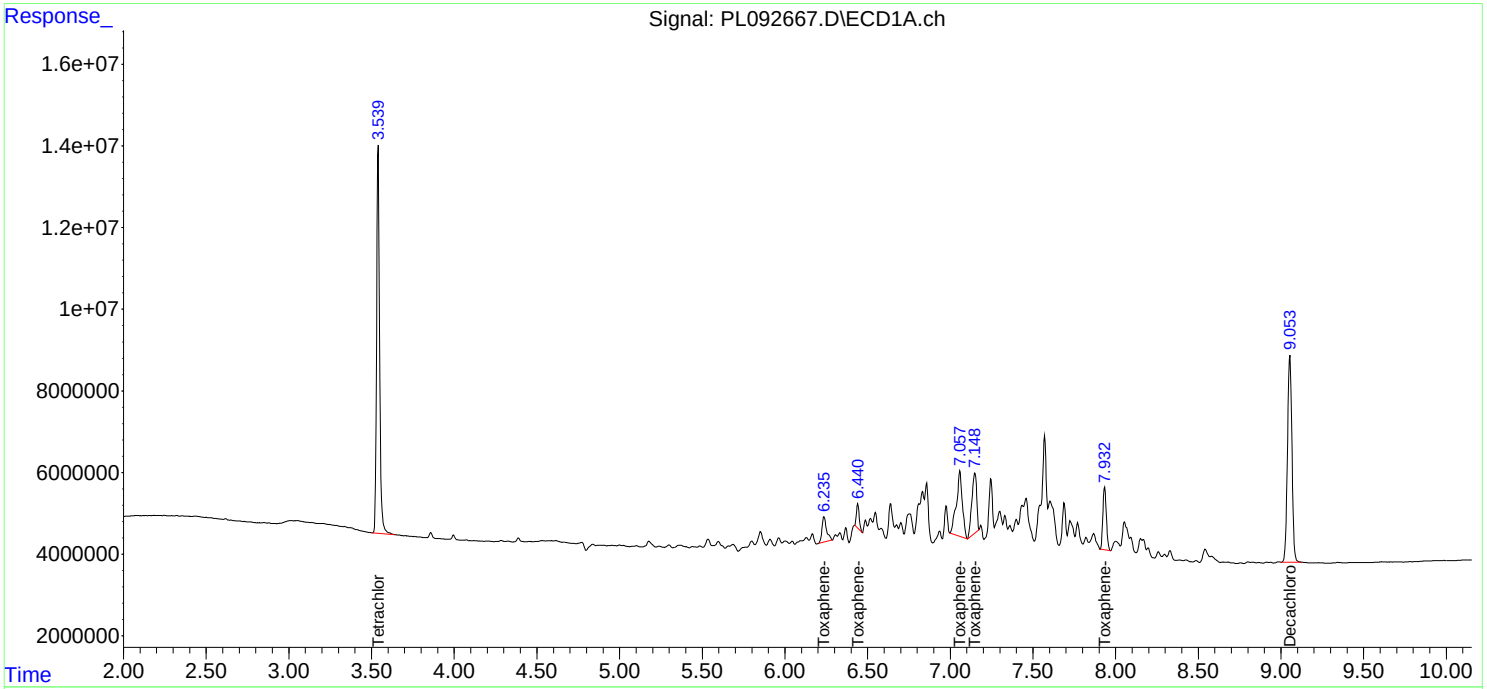
ICAL Form

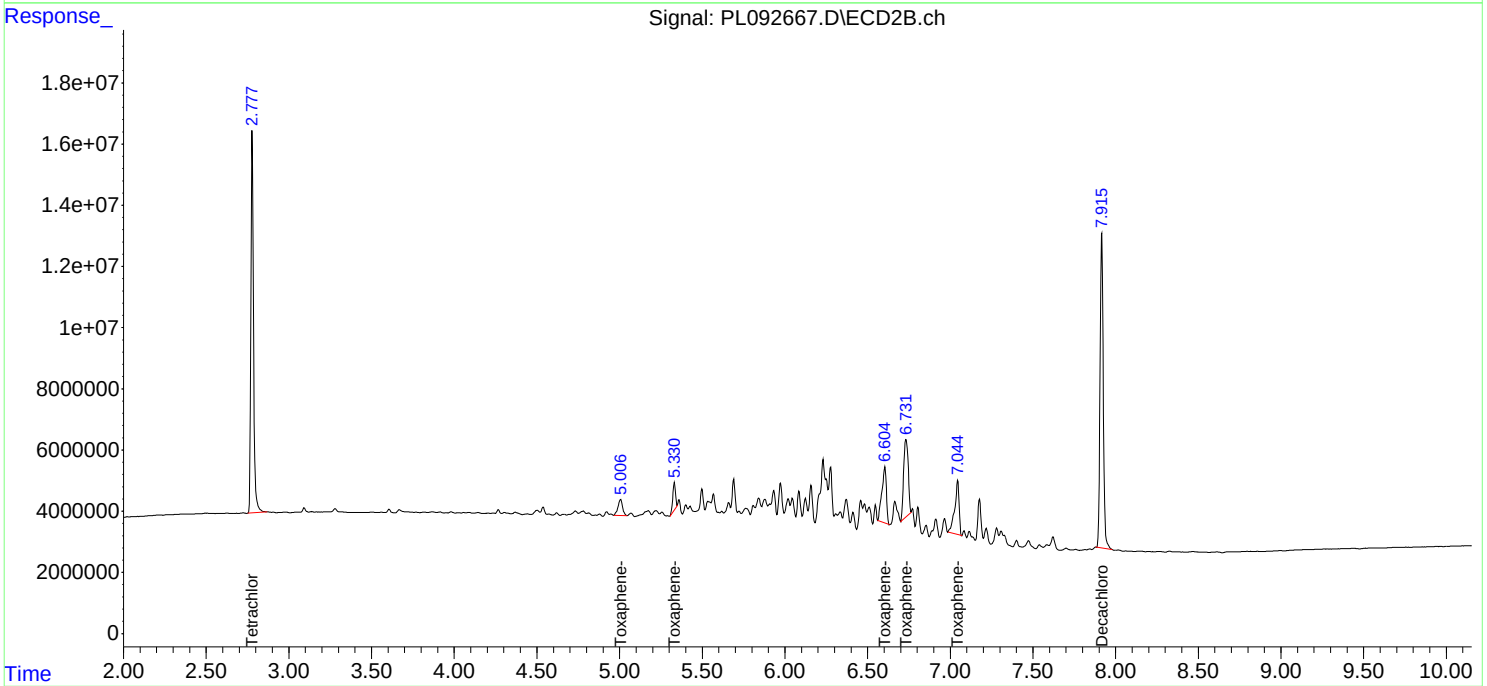
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
ICVPL102824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:20:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | SA | Tetrachlo... | 3.540 | 2.778 | 119.9E6 | 136.6E6 | 48.932 | 50.204 |
| 28) | SA | Decachlor... | 9.054 | 7.916 | 94182239 | 139.9E6 | 48.937 | 51.259 |
| | | Target Compounds | | | | | | |
| 2) | A | alpha-BHC | 3.996 | 3.281 | 167.5E6 | 204.0E6 | 49.379 | 51.127 |
| 3) | MA | gamma-BHC... | 4.328 | 3.611 | 160.1E6 | 197.4E6 | 49.125 | 51.136 |
| 4) | MA | Heptachlor | 4.916 | 3.950 | 147.0E6 | 192.1E6 | 48.942 | 50.906 |
| 5) | MB | Aldrin | 5.258 | 4.230 | 145.8E6 | 187.4E6 | 48.580 | 51.194 |
| 6) | B | beta-BHC | 4.526 | 3.911 | 70600682 | 82244973 | 48.843 | 49.959 |
| 7) | B | delta-BHC | 4.773 | 4.140 | 153.4E6 | 196.7E6 | 49.025 | 51.190 |
| 8) | B | Heptachlo... | 5.684 | 4.732 | 133.1E6 | 169.7E6 | 48.213 | 50.772 |
| 9) | A | Endosulfan I | 6.069 | 5.102 | 121.8E6 | 154.2E6 | 48.702 | 50.518 |
| 10) | B | gamma-Chl... | 5.941 | 4.982 | 129.8E6 | 169.3E6 | 48.769 | 50.359 |
| 11) | B | alpha-Chl... | 6.019 | 5.046 | 129.4E6 | 167.6E6 | 48.847 | 50.380 |
| 12) | B | 4,4'-DDE | 6.193 | 5.235 | 116.5E6 | 164.4E6 | 49.166 | 51.019 |
| 13) | MA | Dieldrin | 6.345 | 5.366 | 129.0E6 | 171.0E6 | 48.947 | 51.185 |
| 14) | MA | Endrin | 6.575 | 5.642 | 110.2E6 | 147.7E6 | 48.393 | 51.063 |
| 15) | B | Endosulfa... | 6.794 | 5.937 | 115.4E6 | 145.0E6 | 48.417 | 51.175 |
| 16) | A | 4,4'-DDD | 6.710 | 5.790 | 95447383 | 127.7E6 | 49.724 | 51.292 |
| 17) | MA | 4,4'-DDT | 7.024 | 6.040 | 102.8E6 | 137.5E6 | 49.676 | 51.253 |
| 18) | B | Endrin al... | 6.924 | 6.116 | 91870810 | 116.2E6 | 48.920 | 50.348 |
| 19) | B | Endosulfa... | 7.159 | 6.339 | 106.0E6 | 136.5E6 | 48.859 | 50.601 |
| 20) | A | Methoxychlor | 7.500 | 6.615 | 57010538 | 73335025 | 50.009 | 51.354 |
| 21) | B | Endrin ke... | 7.644 | 6.844 | 118.9E6 | 157.6E6 | 49.074 | 51.358 |
| 22) | | Mirex | 8.117 | 7.025 | 96541027 | 131.1E6 | 48.716 | 50.260 |

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

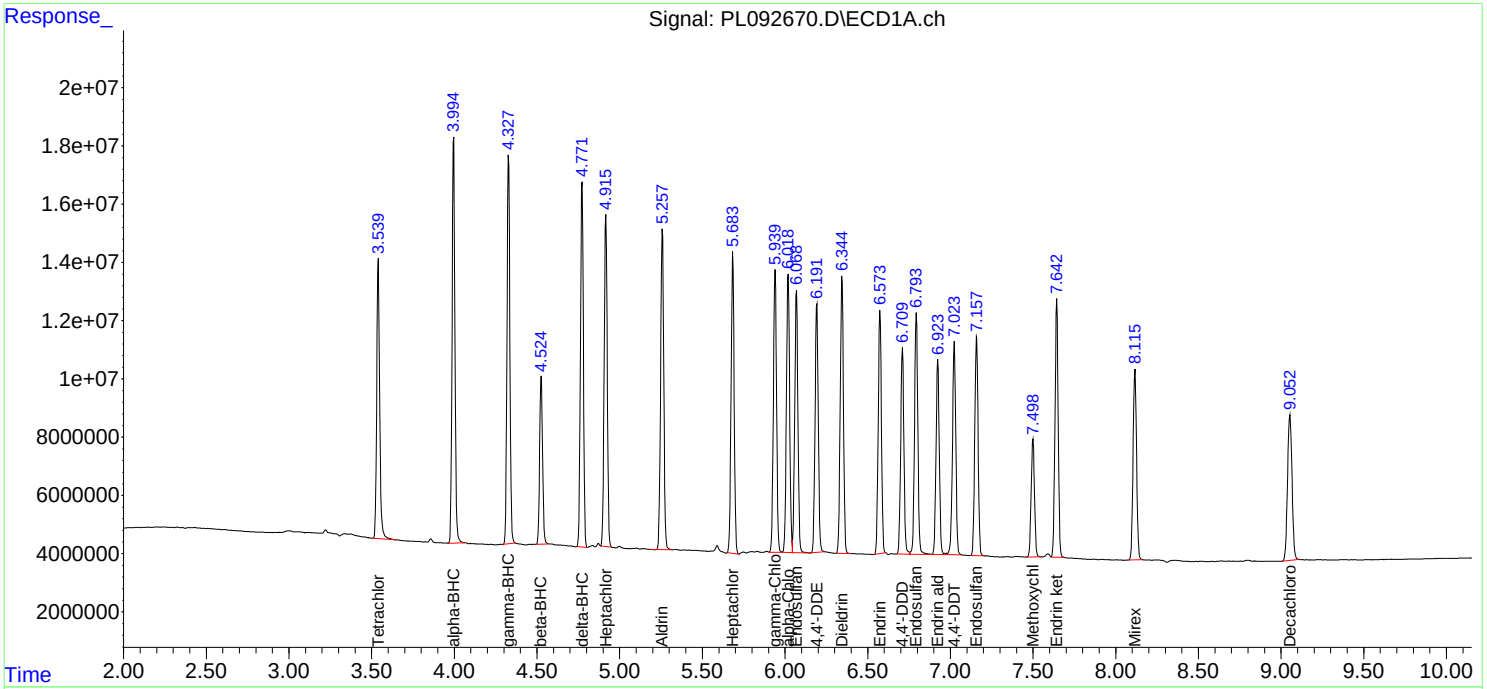
ICAL Form

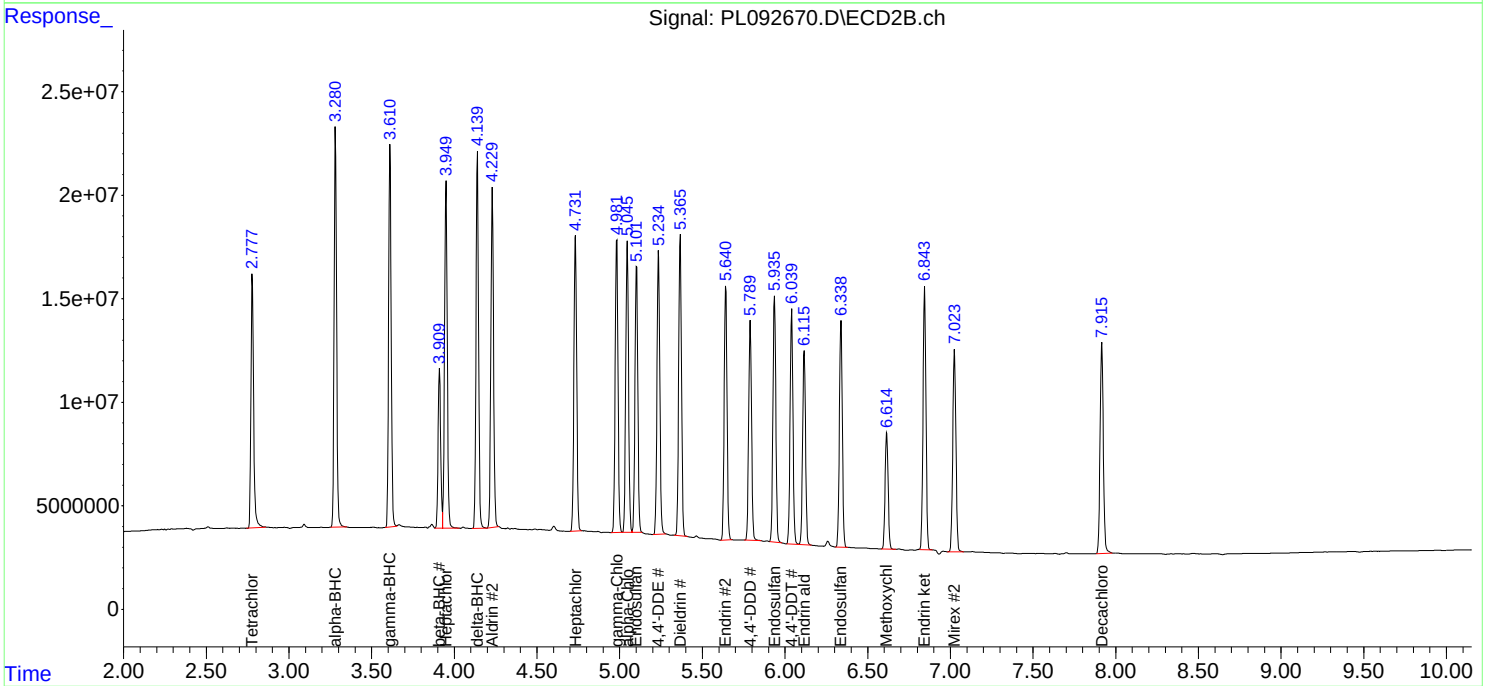
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
ICVPL102824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:20:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
ICVPL102824CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:55:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.540 | 2.777 | 116.2E6 | 162.6E6 | 48.370 | 49.862 |
| 28) SA | Decachlor... | 9.053 | 7.915 | 91212958 | 135.8E6 | 48.151 | 49.359 |
| | Target Compounds | | | | | | |
| 23) | Chlordane-1 | 4.701 | 3.775 | 53586597 | 53029458 | 487.196 | 499.551 |
| 24) | Chlordane-2 | 5.231 | 4.352 | 54950332 | 60704270 | 479.439 | 490.132 |
| 25) | Chlordane-3 | 5.941 | 4.982 | 186.4E6 | 180.0E6 | 477.568 | 496.319 |
| 26) | Chlordane-4 | 6.022 | 5.045 | 229.4E6 | 173.9E6 | 479.933 | 497.043 |
| 27) | Chlordane-5 | 6.872 | 5.940 | 46544927 | 61748302 | 491.706 | 486.943 |

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

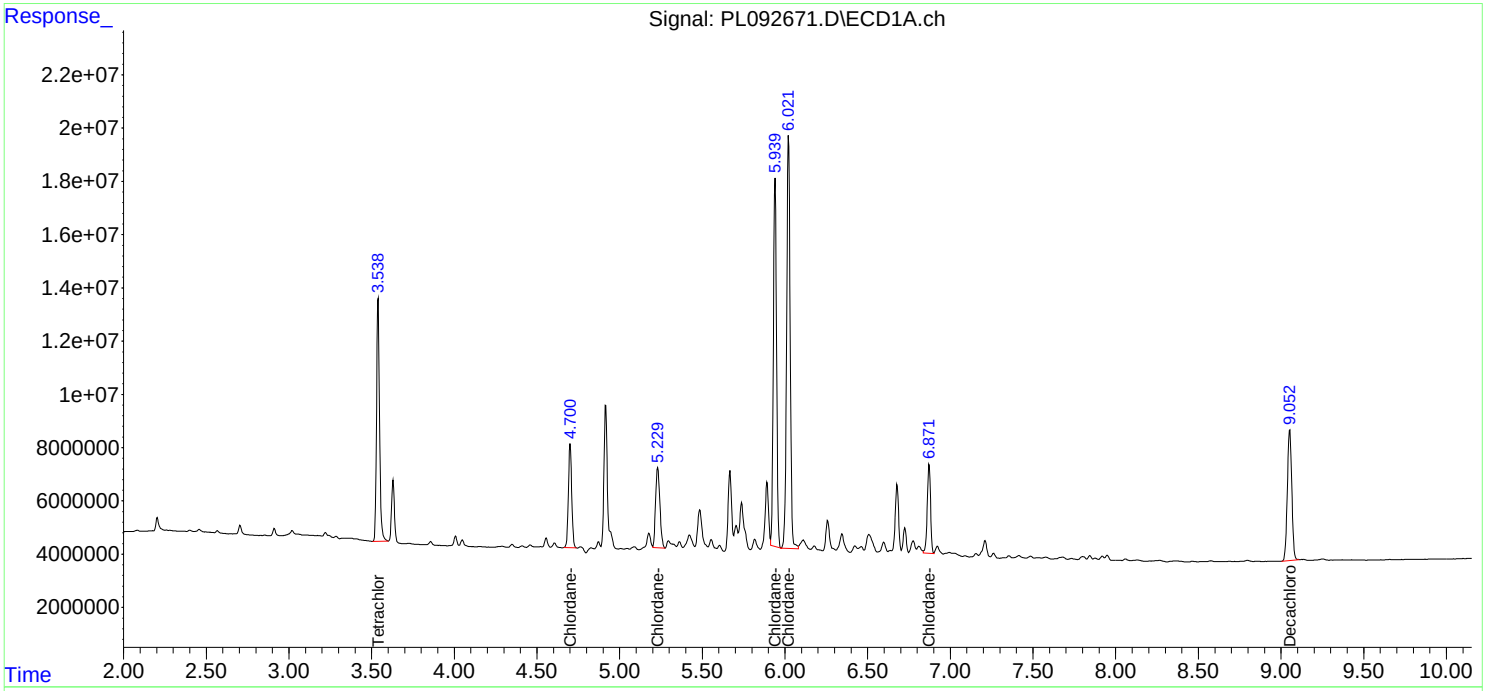
ICAL Form

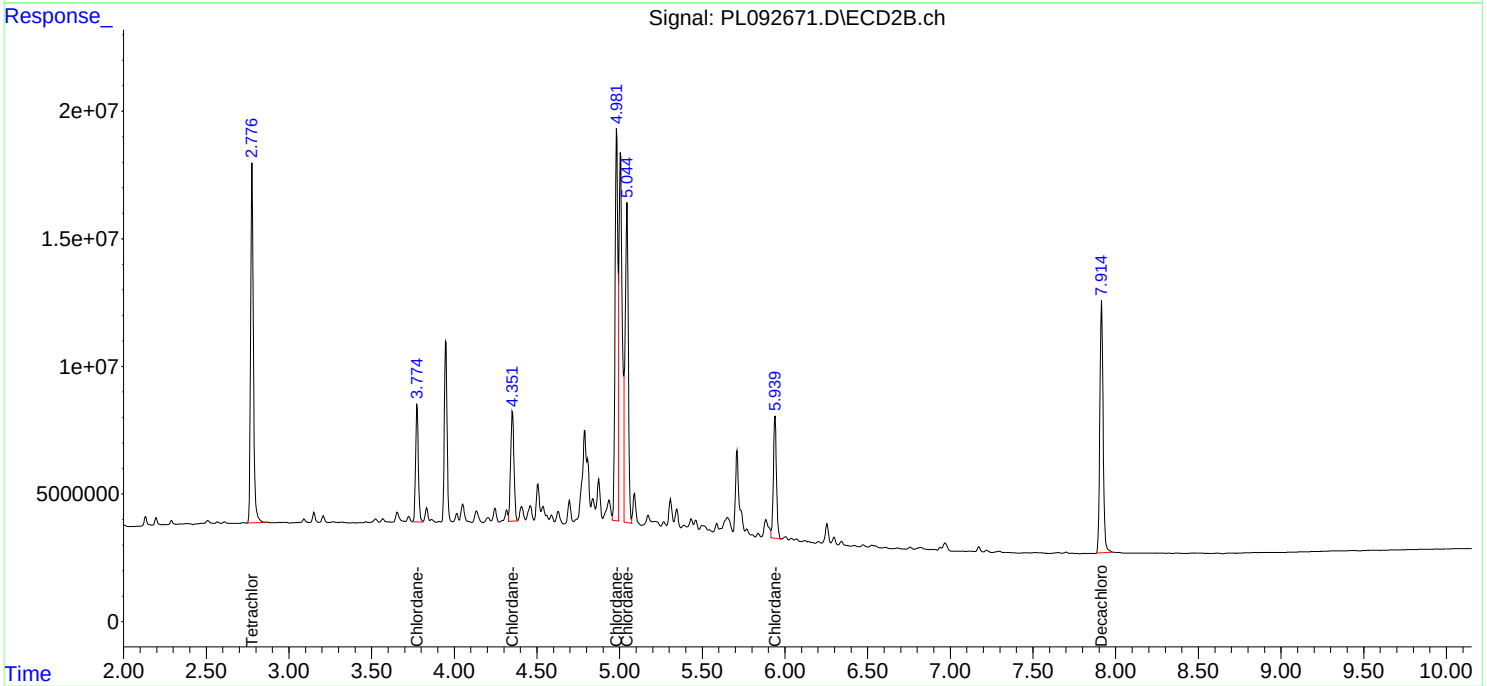
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
ICVPL102824CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:55:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:57
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
ICVPL102824TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 19:11:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:04:49 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.540 | 2.778 | 120.8E6 | 137.1E6 | 50.385 | 51.035 |
| 7) | SA Decachlor... | 9.053 | 7.916 | 95483844 | 139.1E6 | 50.356 | 50.519 |
| | Target Compounds | | | | | | |
| 2) | Toxaphene-1 | 6.237 | 5.006 | 12257412 | 10058947 | 555.039 | 528.973 |
| 3) | Toxaphene-2 | 6.441 | 5.331 | 6863785 | 9788249 | 506.186 | 497.458 |
| 4) | Toxaphene-3 | 7.058 | 6.604 | 39909041 | 34565997 | 513.663 | 508.031 |
| 5) | Toxaphene-4 | 7.149 | 6.732 | 29767251 | 48553437 | 501.141 | 526.978 |
| 6) | Toxaphene-5 | 7.933 | 7.046 | 22590334 | 32781409 | 503.299 | 499.967 |

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

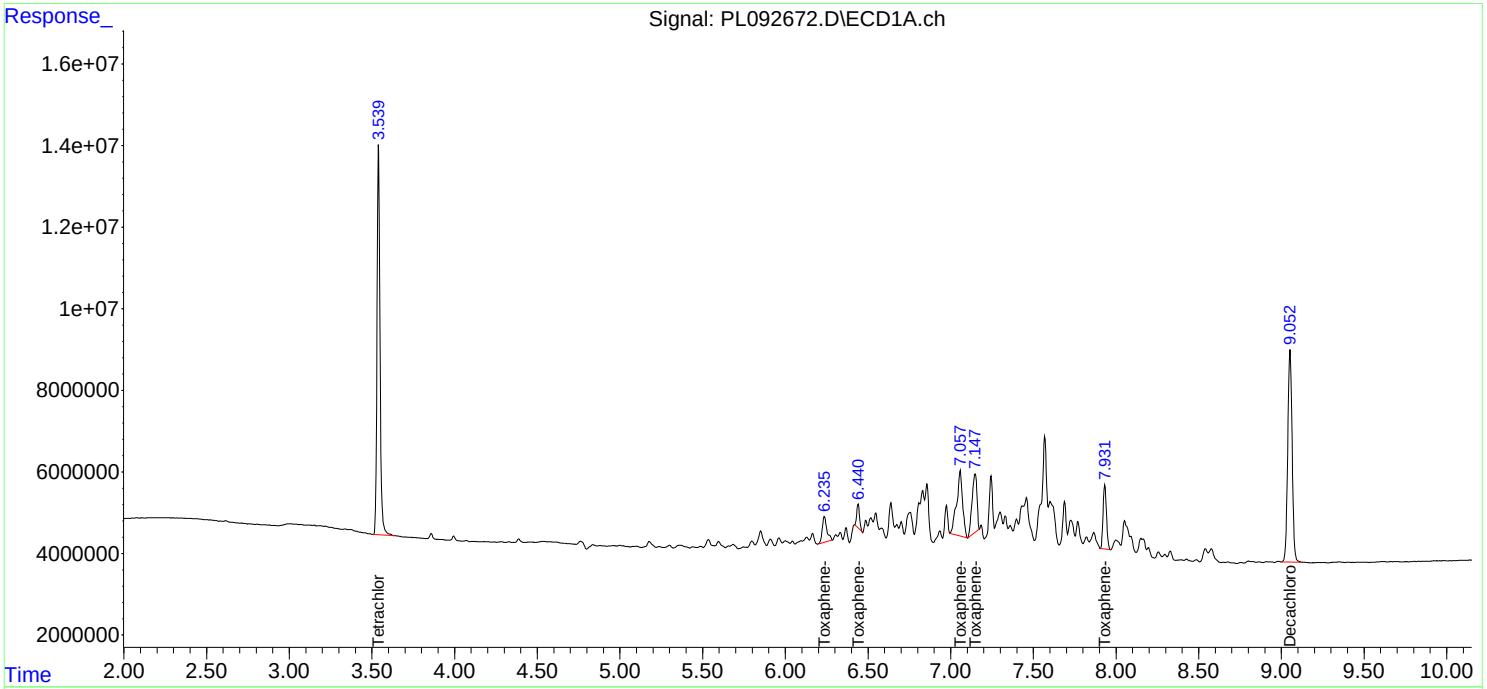
ICAL Form

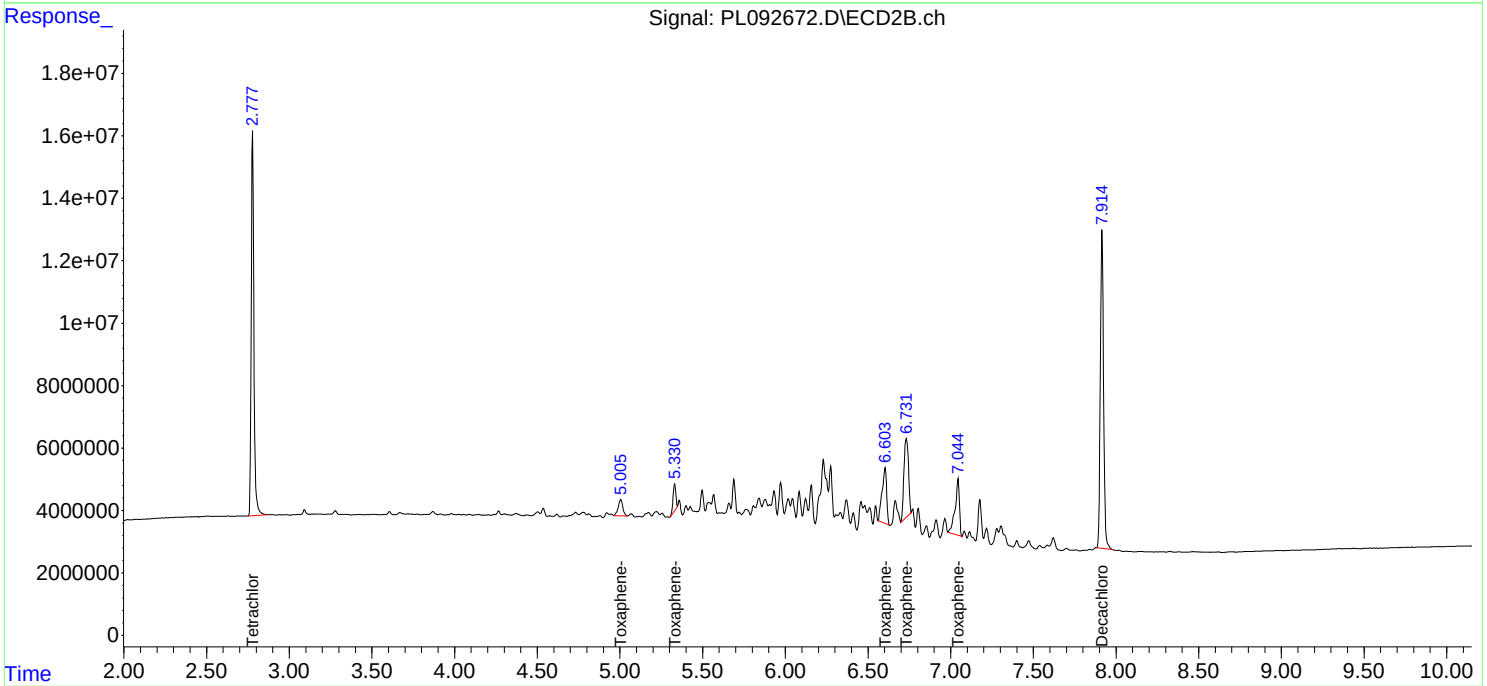
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:57
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
ICVPL102824TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 19:11:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:04:49 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PL092943.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 11:58 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.06 | 9.05 | 8.95 | 9.15 | -0.01 |
| Tetrachloro-m-xylene | 3.54 | 3.54 | 3.44 | 3.64 | 0.00 |
| gamma-BHC (Lindane) | 4.33 | 4.33 | 4.23 | 4.43 | 0.00 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.68 | 5.58 | 5.78 | -0.01 |
| Endrin | 6.58 | 6.57 | 6.47 | 6.67 | -0.01 |
| Methoxychlor | 7.50 | 7.50 | 7.40 | 7.60 | 0.00 |

Raw Data: **PL092943.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 11:58 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.92 | 7.92 | 7.82 | 8.02 | 0.00 |
| Tetrachloro-m-xylene | 2.78 | 2.78 | 2.68 | 2.88 | 0.00 |
| gamma-BHC (Lindane) | 3.61 | 3.61 | 3.51 | 3.71 | 0.00 |
| Heptachlor | 3.95 | 3.95 | 3.85 | 4.05 | 0.00 |
| Heptachlor epoxide | 4.73 | 4.73 | 4.63 | 4.83 | 0.00 |
| Endrin | 5.64 | 5.64 | 5.54 | 5.74 | 0.00 |
| Methoxychlor | 6.62 | 6.62 | 6.52 | 6.72 | 0.00 |

Raw Data: **PL092943.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 11/11/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092943.D **Time Analyzed:** 11:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.061 | 8.954 | 9.154 | 46.430 | 50.000 | -7.1 |
| Endrin | 6.579 | 6.474 | 6.674 | 43.850 | 50.000 | -12.3 |
| gamma-BHC (Lindane) | 4.331 | 4.228 | 4.428 | 49.900 | 50.000 | -0.2 |
| Heptachlor | 4.920 | 4.817 | 5.017 | 47.730 | 50.000 | -4.5 |
| Heptachlor epoxide | 5.688 | 5.584 | 5.784 | 48.400 | 50.000 | -3.2 |
| Methoxychlor | 7.504 | 7.399 | 7.599 | 44.210 | 50.000 | -11.6 |
| Tetrachloro-m-xylene | 3.542 | 3.440 | 3.640 | 49.960 | 50.000 | -0.1 |

Raw Data: **PL092943.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 11/11/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092943.D **Time Analyzed:** 11:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.919 | 7.816 | 8.016 | 46.770 | 50.000 | -6.5 |
| Endrin | 5.643 | 5.541 | 5.741 | 50.950 | 50.000 | 1.9 |
| gamma-BHC (Lindane) | 3.611 | 3.511 | 3.711 | 52.560 | 50.000 | 5.1 |
| Heptachlor | 3.951 | 3.849 | 4.049 | 50.950 | 50.000 | 1.9 |
| Heptachlor epoxide | 4.733 | 4.632 | 4.832 | 52.470 | 50.000 | 4.9 |
| Methoxychlor | 6.617 | 6.515 | 6.715 | 46.930 | 50.000 | -6.1 |
| Tetrachloro-m-xylene | 2.778 | 2.678 | 2.878 | 51.750 | 50.000 | 3.5 |

Quantitation Report (QT Reviewed)

Sample Results: **PL092943.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 11:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.778 | 122.4E6 | 140.8E6 | 49.960 | 51.749 |
| 28) | SA Decachlor... | 9.061 | 7.919 | 89353166 | 127.6E6 | 46.428 | 46.766 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.998 | 3.281 | 171.0E6 | 211.0E6 | 50.423 | 52.876 |
| 3) | MA gamma-BHC... | 4.331 | 3.611 | 162.7E6 | 202.8E6 | 49.904 | 52.557 |
| 4) | MA Heptachlor | 4.920 | 3.951 | 143.3E6 | 192.3E6 | 47.734 | 50.947 |
| 5) | MB Aldrin | 5.262 | 4.230 | 145.8E6 | 193.8E6 | 48.570 | 52.949 |
| 6) | B beta-BHC | 4.529 | 3.911 | 71247530 | 85161237 | 49.291 | 51.730 |
| 7) | B delta-BHC | 4.776 | 4.140 | 155.3E6 | 203.2E6 | 49.631 | 52.861 |
| 8) | B Heptachlo... | 5.688 | 4.733 | 133.7E6 | 175.3E6 | 48.402 | 52.473 |
| 9) | A Endosulfan I | 6.074 | 5.103 | 119.3E6 | 158.5E6 | 47.680 | 51.898 |
| 10) | B gamma-Chl... | 5.944 | 4.983 | 127.8E6 | 176.6E6 | 48.034 | 52.537 |
| 11) | B alpha-Chl... | 6.024 | 5.047 | 126.9E6 | 174.3E6 | 47.919 | 52.397 |
| 12) | B 4,4'-DDE | 6.197 | 5.236 | 114.8E6 | 170.6E6 | 48.440 | 52.967 |
| 13) | MA Dieldrin | 6.349 | 5.368 | 125.7E6 | 177.3E6 | 47.684 | 53.076 |
| 14) | MA Endrin | 6.579 | 5.643 | 99835668 | 147.4E6 | 43.852 | 50.946 |
| 15) | B Endosulfa... | 6.798 | 5.938 | 109.4E6 | 151.4E6 | 45.903 | 53.433 |
| 16) | A 4,4'-DDD | 6.714 | 5.791 | 96868751 | 140.8E6 | 50.465 | 56.564 |
| 17) | MA 4,4'-DDT | 7.028 | 6.041 | 91261518 | 131.2E6 | 44.093 | 48.901 |
| 18) | B Endrin al... | 6.929 | 6.118 | 89283331 | 120.0E6 | 47.542 | 51.994 |
| 19) | B Endosulfa... | 7.163 | 6.341 | 100.6E6 | 140.3E6 | 46.344 | 52.024 |
| 20) | A Methoxychlor | 7.504 | 6.617 | 50400892 | 67024075 | 44.211 | 46.935 |
| 21) | B Endrin ke... | 7.649 | 6.847 | 114.6E6 | 162.0E6 | 47.299 | 52.776 |
| 22) | Mirex | 8.122 | 7.027 | 88704518 | 130.7E6 | 44.762 | 50.100 |

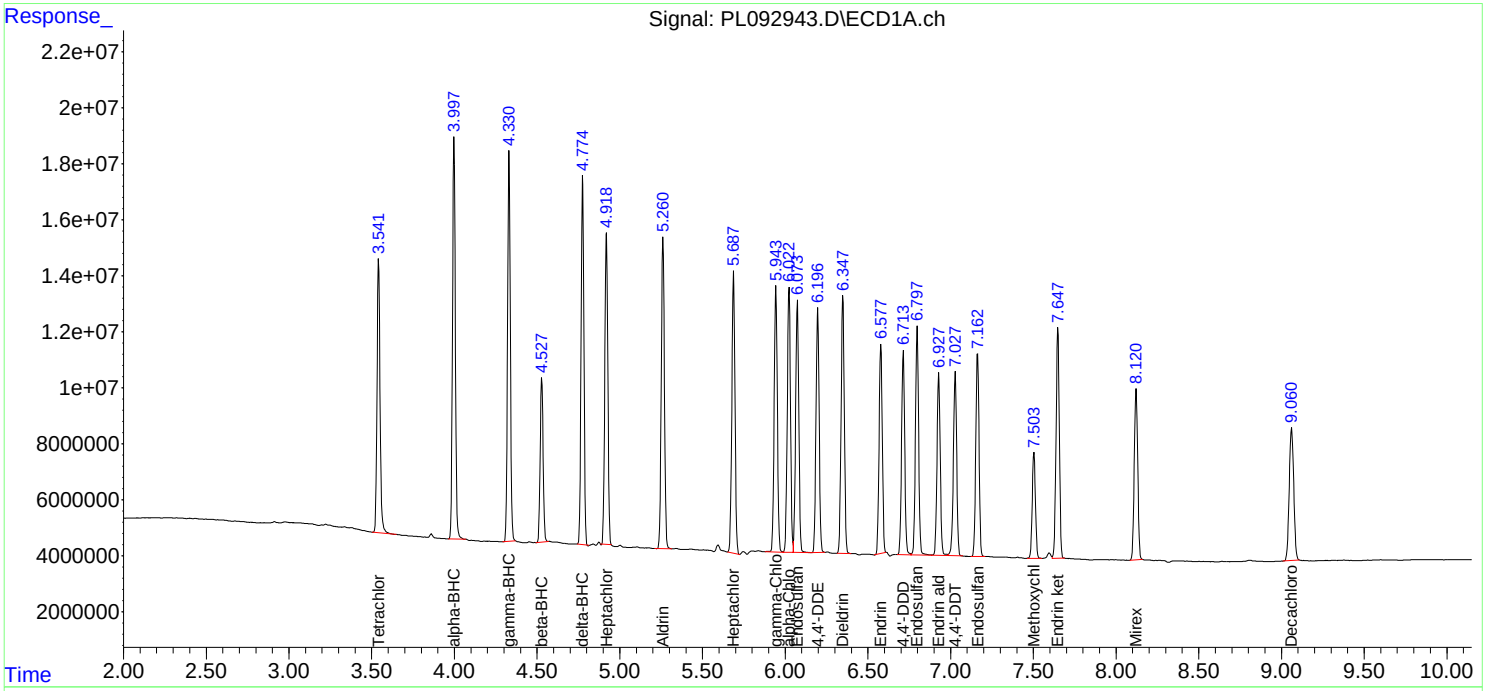
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

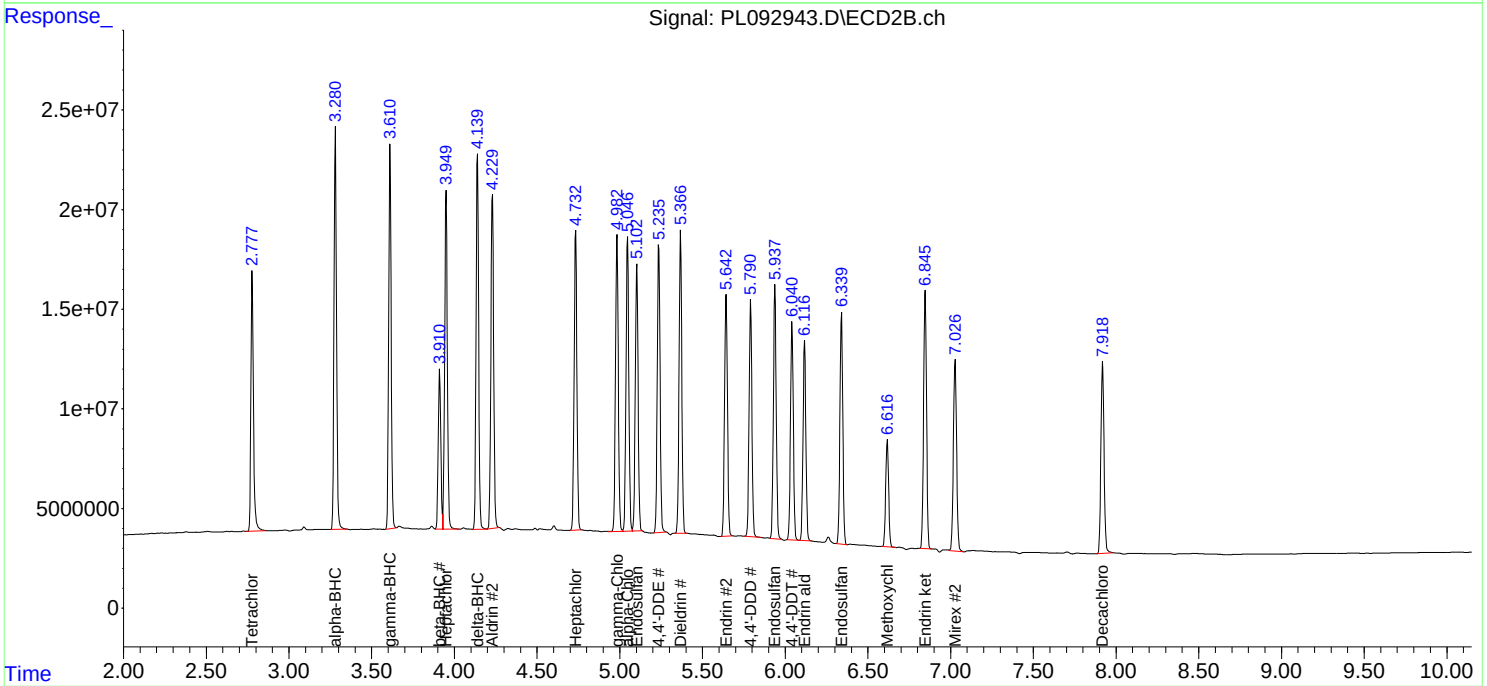
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 11:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PL092960.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 16:49 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.06 | 9.05 | 8.95 | 9.15 | -0.01 |
| Tetrachloro-m-xylene | 3.54 | 3.54 | 3.44 | 3.64 | 0.00 |
| gamma-BHC (Lindane) | 4.33 | 4.33 | 4.23 | 4.43 | 0.00 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.68 | 5.58 | 5.78 | -0.01 |
| Endrin | 6.58 | 6.57 | 6.47 | 6.67 | -0.01 |
| Methoxychlor | 7.51 | 7.50 | 7.40 | 7.60 | -0.01 |

Raw Data: **PL092960.D**

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 16:49 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.92 | 7.92 | 7.82 | 8.02 | 0.00 |
| Tetrachloro-m-xylene | 2.78 | 2.78 | 2.68 | 2.88 | 0.00 |
| gamma-BHC (Lindane) | 3.61 | 3.61 | 3.51 | 3.71 | 0.00 |
| Heptachlor | 3.95 | 3.95 | 3.85 | 4.05 | 0.00 |
| Heptachlor epoxide | 4.73 | 4.73 | 4.63 | 4.83 | 0.00 |
| Endrin | 5.64 | 5.64 | 5.54 | 5.74 | 0.00 |
| Methoxychlor | 6.62 | 6.62 | 6.52 | 6.72 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 11/11/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.064 | 8.954 | 9.154 | 45.750 | 50.000 | -8.5 |
| Endrin | 6.580 | 6.474 | 6.674 | 43.680 | 50.000 | -12.6 |
| gamma-BHC (Lindane) | 4.332 | 4.228 | 4.428 | 49.740 | 50.000 | -0.5 |
| Heptachlor | 4.921 | 4.817 | 5.017 | 46.230 | 50.000 | -7.5 |
| Heptachlor epoxide | 5.689 | 5.584 | 5.784 | 48.040 | 50.000 | -3.9 |
| Methoxychlor | 7.506 | 7.399 | 7.599 | 41.600 | 50.000 | -16.8 |
| Tetrachloro-m-xylene | 3.543 | 3.440 | 3.640 | 50.620 | 50.000 | 1.2 |

Raw Data: **PL092960.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 11/11/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.920 | 7.816 | 8.016 | 47.520 | 50.000 | -5.0 |
| Endrin | 5.643 | 5.541 | 5.741 | 51.290 | 50.000 | 2.6 |
| gamma-BHC (Lindane) | 3.611 | 3.511 | 3.711 | 52.740 | 50.000 | 5.5 |
| Heptachlor | 3.950 | 3.849 | 4.049 | 49.830 | 50.000 | -0.3 |
| Heptachlor epoxide | 4.733 | 4.632 | 4.832 | 52.930 | 50.000 | 5.9 |
| Methoxychlor | 6.617 | 6.515 | 6.715 | 45.570 | 50.000 | -8.9 |
| Tetrachloro-m-xylene | 2.779 | 2.678 | 2.878 | 51.800 | 50.000 | 3.6 |

Quantitation Report (QT Reviewed)

Sample Results: **PL092960.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 10:53:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.543 | 2.779 | 124.0E6 | 141.0E6 | 50.619 | 51.798 |
| 28) | SA Decachlor... | 9.064 | 7.920 | 88051834 | 129.7E6 | 45.752 | 47.517 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.281 | 171.3E6 | 213.1E6 | 50.514 | 53.411 |
| 3) | MA gamma-BHC... | 4.332 | 3.611 | 162.1E6 | 203.6E6 | 49.737 | 52.744 |
| 4) | MA Heptachlor | 4.921 | 3.950 | 138.8E6 | 188.1E6 | 46.232 | 49.835 |
| 5) | MB Aldrin | 5.263 | 4.230 | 144.3E6 | 194.7E6 | 48.085 | 53.207 |
| 6) | B beta-BHC | 4.530 | 3.911 | 71636880 | 86200893 | 49.560 | 52.362 |
| 7) | B delta-BHC | 4.777 | 4.140 | 155.9E6 | 206.2E6 | 49.813 | 53.648 |
| 8) | B Heptachlo... | 5.689 | 4.733 | 132.7E6 | 176.9E6 | 48.041 | 52.927 |
| 9) | A Endosulfan I | 6.075 | 5.103 | 119.3E6 | 155.2E6 | 47.676 | 50.821 |
| 10) | B gamma-Chl... | 5.946 | 4.983 | 128.0E6 | 178.1E6 | 48.109 | 52.992 |
| 11) | B alpha-Chl... | 6.024 | 5.047 | 126.8E6 | 174.4E6 | 47.864 | 52.430 |
| 12) | B 4,4'-DDE | 6.198 | 5.236 | 115.1E6 | 172.6E6 | 48.594 | 53.577 |
| 13) | MA Dieldrin | 6.350 | 5.368 | 125.6E6 | 177.3E6 | 47.639 | 53.088 |
| 14) | MA Endrin | 6.580 | 5.643 | 99450260 | 148.4E6 | 43.683 | 51.286 |
| 15) | B Endosulfa... | 6.800 | 5.938 | 108.6E6 | 150.4E6 | 45.577 | 53.069 |
| 16) | A 4,4'-DDD | 6.715 | 5.792 | 98564597 | 145.0E6 | 51.348 | 58.220 |
| 17) | MA 4,4'-DDT | 7.030 | 6.042 | 87059541 | 125.1E6 | 42.063 | 46.650 |
| 18) | B Endrin al... | 6.930 | 6.118 | 86323175 | 119.2E6 | 45.966 | 51.662 |
| 19) | B Endosulfa... | 7.165 | 6.341 | 99290661 | 141.3E6 | 45.749 | 52.381 |
| 20) | A Methoxychlor | 7.506 | 6.617 | 47423563 | 65070231 | 41.600 | 45.566 |
| 21) | B Endrin ke... | 7.650 | 6.847 | 112.6E6 | 164.3E6 | 46.474 | 53.547 |
| 22) | Mirex | 8.124 | 7.027 | 87817537 | 130.4E6 | 44.314 | 49.968 |

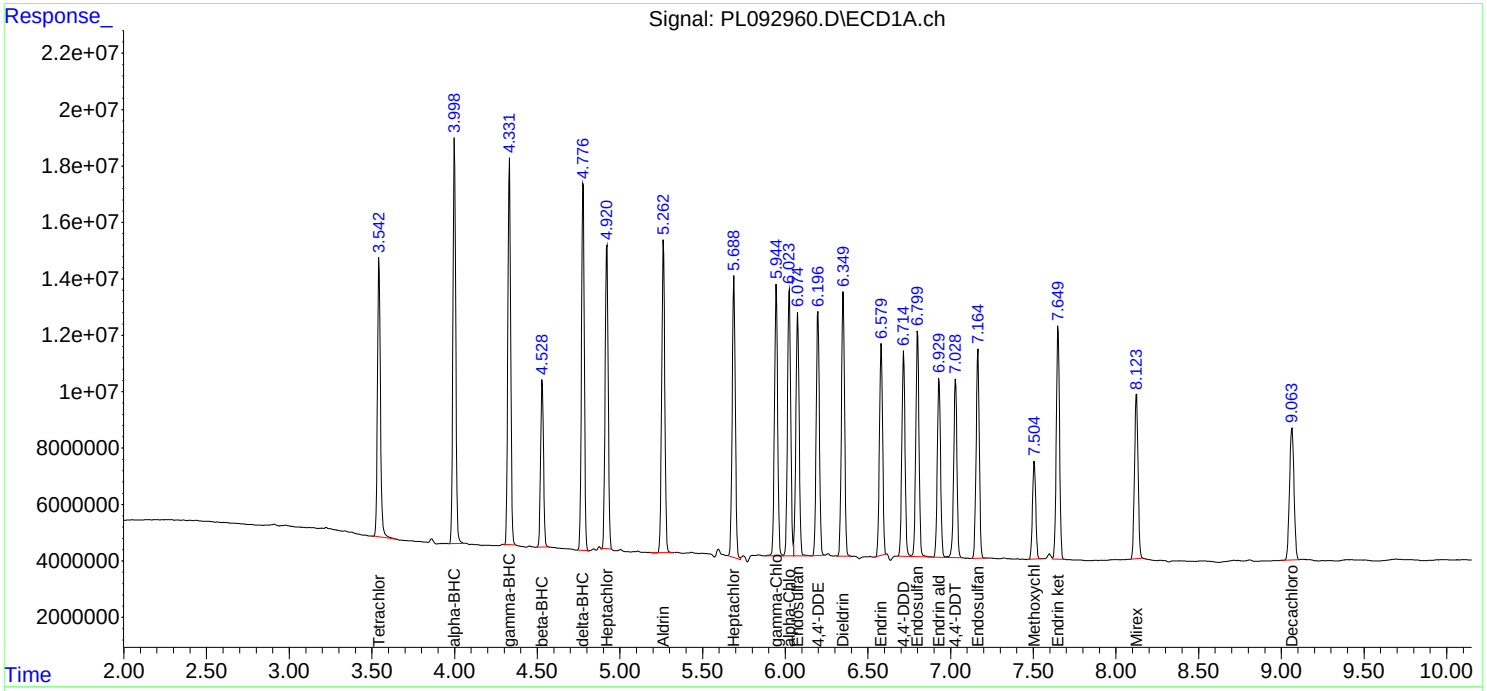
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

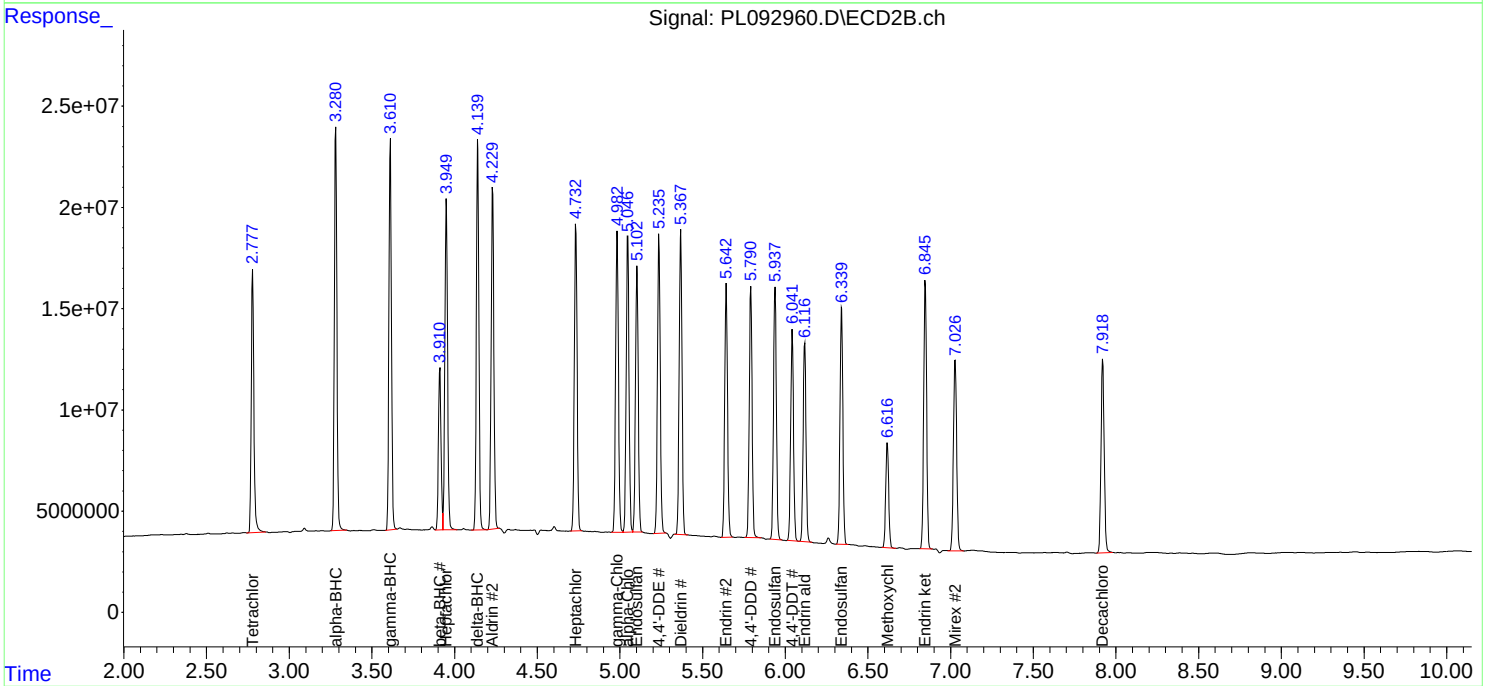
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 10:53:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PL092973.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 20:14 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.06 | 9.05 | 8.95 | 9.15 | -0.01 |
| Tetrachloro-m-xylene | 3.54 | 3.54 | 3.44 | 3.64 | 0.00 |
| gamma-BHC (Lindane) | 4.33 | 4.33 | 4.23 | 4.43 | 0.00 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.68 | 5.58 | 5.78 | -0.01 |
| Endrin | 6.58 | 6.57 | 6.47 | 6.67 | -0.01 |
| Methoxychlor | 7.51 | 7.50 | 7.40 | 7.60 | -0.01 |

Raw Data: **PL092973.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 20:14 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.92 | 7.92 | 7.82 | 8.02 | 0.00 |
| Tetrachloro-m-xylene | 2.78 | 2.78 | 2.68 | 2.88 | 0.00 |
| gamma-BHC (Lindane) | 3.61 | 3.61 | 3.51 | 3.71 | 0.00 |
| Heptachlor | 3.95 | 3.95 | 3.85 | 4.05 | 0.00 |
| Heptachlor epoxide | 4.73 | 4.73 | 4.63 | 4.83 | 0.00 |
| Endrin | 5.64 | 5.64 | 5.54 | 5.74 | 0.00 |
| Methoxychlor | 6.62 | 6.62 | 6.52 | 6.72 | 0.00 |

Raw Data: **PL092973.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 11/11/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092973.D **Time Analyzed:** 20:14

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.063 | 8.954 | 9.154 | 43.000 | 50.000 | -14.0 |
| Endrin | 6.579 | 6.474 | 6.674 | 43.010 | 50.000 | -14.0 |
| gamma-BHC (Lindane) | 4.331 | 4.228 | 4.428 | 48.520 | 50.000 | -3.0 |
| Heptachlor | 4.920 | 4.817 | 5.017 | 45.380 | 50.000 | -9.2 |
| Heptachlor epoxide | 5.688 | 5.584 | 5.784 | 47.490 | 50.000 | -5.0 |
| Methoxychlor | 7.505 | 7.399 | 7.599 | 42.350 | 50.000 | -15.3 |
| Tetrachloro-m-xylene | 3.542 | 3.440 | 3.640 | 49.410 | 50.000 | -1.2 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 11/11/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092973.D **Time Analyzed:** 20:14

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.920 | 7.816 | 8.016 | 44.340 | 50.000 | -11.3 |
| Endrin | 5.644 | 5.541 | 5.741 | 48.560 | 50.000 | -2.9 |
| gamma-BHC (Lindane) | 3.612 | 3.511 | 3.711 | 50.790 | 50.000 | 1.6 |
| Heptachlor | 3.951 | 3.849 | 4.049 | 48.630 | 50.000 | -2.7 |
| Heptachlor epoxide | 4.734 | 4.632 | 4.832 | 50.070 | 50.000 | 0.1 |
| Methoxychlor | 6.618 | 6.515 | 6.715 | 43.670 | 50.000 | -12.7 |
| Tetrachloro-m-xylene | 2.779 | 2.678 | 2.878 | 50.370 | 50.000 | 0.7 |

Quantitation Report (QT Reviewed)

Sample Results: **PL092973.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 20:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:26:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.779 | 121.1E6 | 137.1E6 | 49.407 | 50.366 |
| 28) | SA Decachlor... | 9.063 | 7.920 | 82747770 | 121.0E6 | 42.996 | 44.339 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.282 | 166.7E6 | 205.7E6 | 49.140 | 51.560 |
| 3) | MA gamma-BHC... | 4.331 | 3.612 | 158.2E6 | 196.0E6 | 48.521 | 50.792 |
| 4) | MA Heptachlor | 4.920 | 3.951 | 136.3E6 | 183.5E6 | 45.383 | 48.630 |
| 5) | MB Aldrin | 5.262 | 4.231 | 141.7E6 | 187.4E6 | 47.213 | 51.189 |
| 6) | B beta-BHC | 4.529 | 3.912 | 69499557 | 84252727 | 48.081 | 51.179 |
| 7) | B delta-BHC | 4.776 | 4.141 | 153.2E6 | 202.5E6 | 48.961 | 52.689 |
| 8) | B Heptachlo... | 5.688 | 4.734 | 131.1E6 | 167.3E6 | 47.489 | 50.071 |
| 9) | A Endosulfan I | 6.074 | 5.103 | 116.1E6 | 145.1E6 | 46.403 | 47.531 |
| 10) | B gamma-Chl... | 5.945 | 4.984 | 124.9E6 | 170.1E6 | 46.957 | 50.589 |
| 11) | B alpha-Chl... | 6.023 | 5.047 | 124.2E6 | 166.7E6 | 46.883 | 50.128 |
| 12) | B 4,4'-DDE | 6.197 | 5.236 | 113.2E6 | 166.2E6 | 47.777 | 51.592 |
| 13) | MA Dieldrin | 6.349 | 5.368 | 122.9E6 | 169.2E6 | 46.616 | 50.663 |
| 14) | MA Endrin | 6.579 | 5.644 | 97913376 | 140.5E6 | 43.007 | 48.556 |
| 15) | B Endosulfa... | 6.798 | 5.939 | 107.1E6 | 140.2E6 | 44.936 | 49.474 |
| 16) | A 4,4'-DDD | 6.715 | 5.792 | 97477439 | 136.7E6 | 50.782 | 54.896 |
| 17) | MA 4,4'-DDT | 7.029 | 6.042 | 85720286 | 116.5E6 | 41.416 | 43.437 |
| 18) | B Endrin al... | 6.929 | 6.118 | 86649532 | 113.2E6 | 46.140 | 49.071 |
| 19) | B Endosulfa... | 7.164 | 6.341 | 99090162 | 133.9E6 | 45.656 | 49.634 |
| 20) | A Methoxychlor | 7.505 | 6.618 | 48277074 | 62367031 | 42.348 | 43.673 |
| 21) | B Endrin ke... | 7.649 | 6.847 | 111.4E6 | 151.8E6 | 45.995 | 49.469 |
| 22) | Mirex | 8.122 | 7.028 | 85470383 | 117.9E6 | 43.130 | 45.202 |

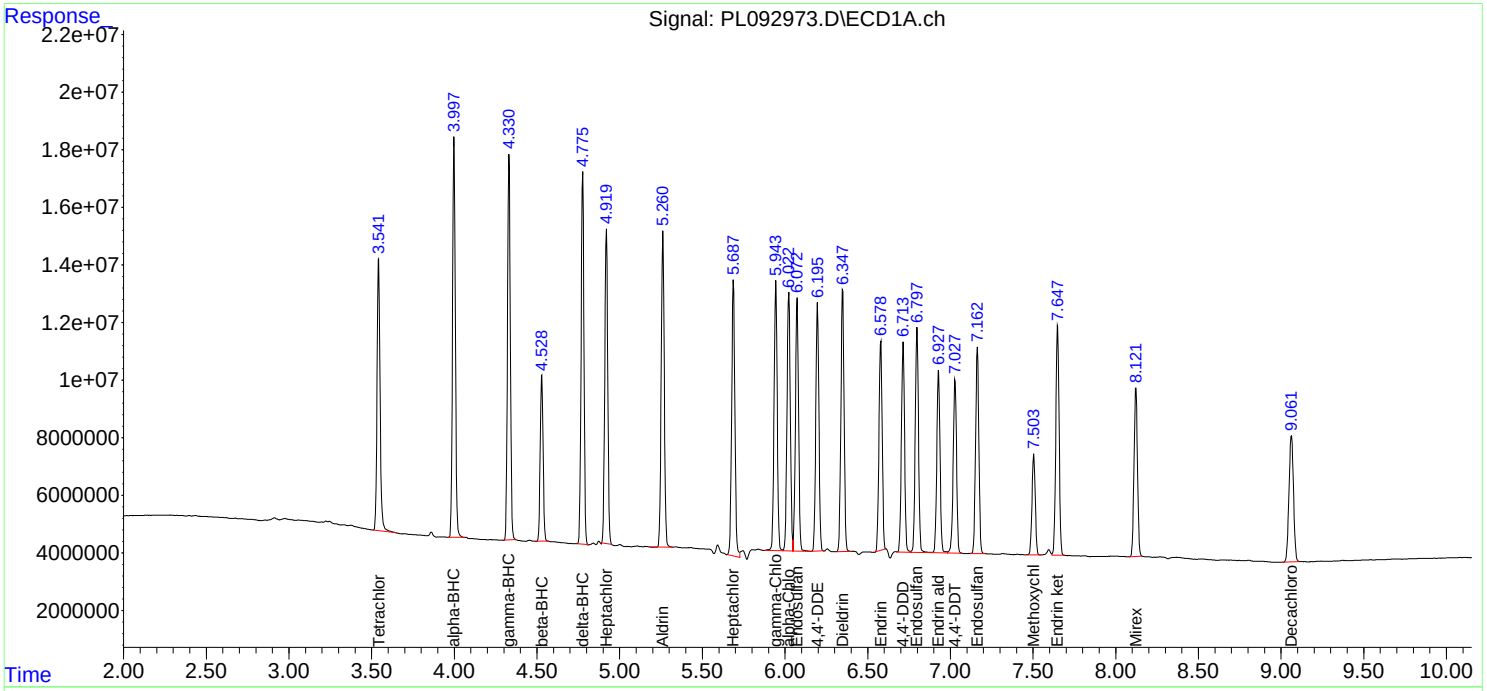
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

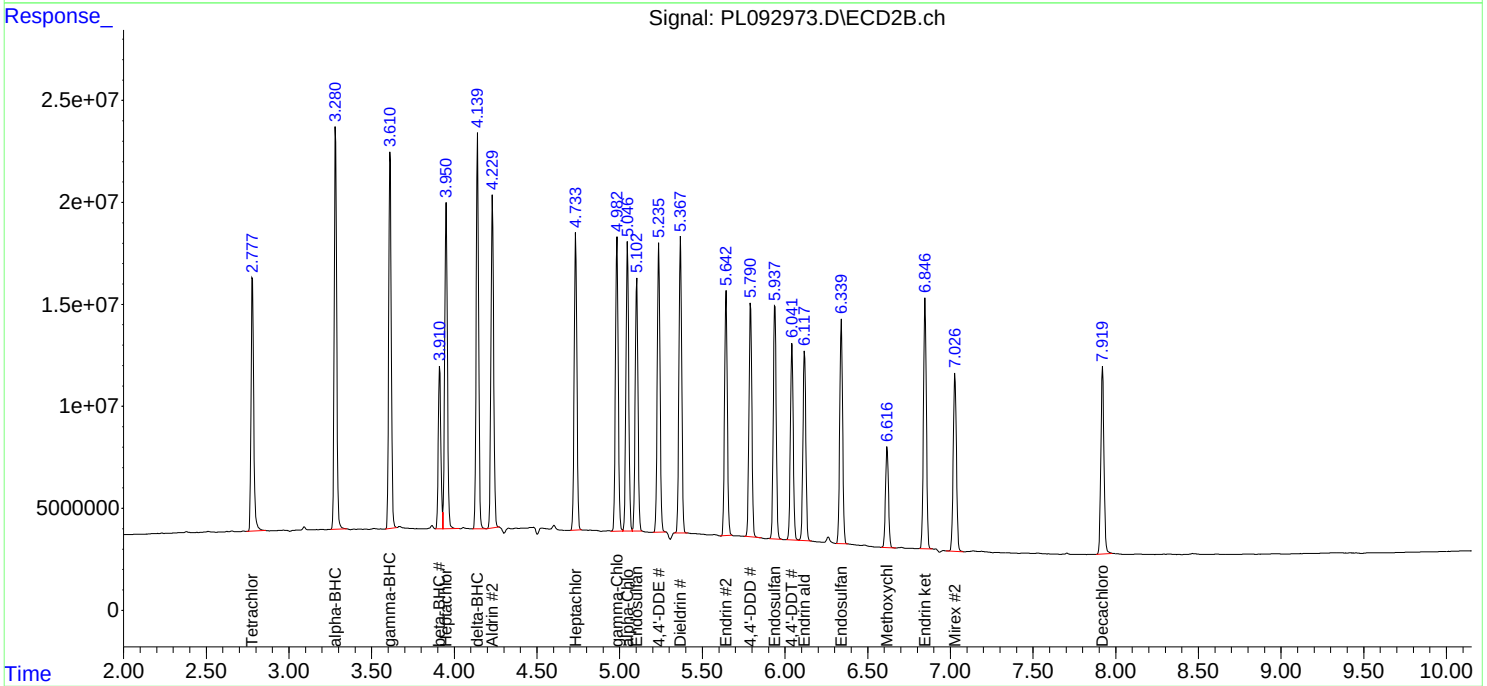
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 20:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:26:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PL092993.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/12/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 01:06 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.06 | 9.05 | 8.95 | 9.15 | -0.01 |
| Tetrachloro-m-xylene | 3.54 | 3.54 | 3.44 | 3.64 | 0.00 |
| gamma-BHC (Lindane) | 4.33 | 4.33 | 4.23 | 4.43 | 0.00 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Heptachlor epoxide | 5.69 | 5.68 | 5.58 | 5.78 | -0.01 |
| Endrin | 6.58 | 6.57 | 6.47 | 6.67 | -0.01 |
| Methoxychlor | 7.50 | 7.50 | 7.40 | 7.60 | 0.00 |

Raw Data: **PL092993.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Continuing Calib Date:** 11/12/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

**Continuing Calib Time:** 01:06 **Initial Calibration Time(s):** 14:43 15:36

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

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.92 | 7.92 | 7.82 | 8.02 | 0.00 |
| Tetrachloro-m-xylene | 2.78 | 2.78 | 2.68 | 2.88 | 0.00 |
| gamma-BHC (Lindane) | 3.61 | 3.61 | 3.51 | 3.71 | 0.00 |
| Heptachlor | 3.95 | 3.95 | 3.85 | 4.05 | 0.00 |
| Heptachlor epoxide | 4.73 | 4.73 | 4.63 | 4.83 | 0.00 |
| Endrin | 5.64 | 5.64 | 5.54 | 5.74 | 0.00 |
| Methoxychlor | 6.62 | 6.62 | 6.52 | 6.72 | 0.00 |

Raw Data: **PL092993.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL04 **Date Analyzed:** 11/12/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092993.D **Time Analyzed:** 01:06

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.062 | 8.954 | 9.154 | 45.740 | 50.000 | -8.5 |
| Endrin | 6.579 | 6.474 | 6.674 | 42.020 | 50.000 | -16.0 |
| gamma-BHC (Lindane) | 4.331 | 4.228 | 4.428 | 49.360 | 50.000 | -1.3 |
| Heptachlor | 4.919 | 4.817 | 5.017 | 45.840 | 50.000 | -8.3 |
| Heptachlor epoxide | 5.686 | 5.584 | 5.784 | 47.100 | 50.000 | -5.8 |
| Methoxychlor | 7.504 | 7.399 | 7.599 | 40.210 | 50.000 | -19.6 |
| Tetrachloro-m-xylene | 3.542 | 3.440 | 3.640 | 50.220 | 50.000 | 0.4 |

Raw Data: **PL092993.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No.:** CCAL04 **Date Analyzed:** 11/12/2024

**Lab Sample No.:** PSTDCCC050 **Data File :** PL092993.D **Time Analyzed:** 01:06

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.920 | 7.816 | 8.016 | 46.990 | 50.000 | -6.0 |
| Endrin | 5.643 | 5.541 | 5.741 | 48.620 | 50.000 | -2.8 |
| gamma-BHC (Lindane) | 3.611 | 3.511 | 3.711 | 52.480 | 50.000 | 5.0 |
| Heptachlor | 3.950 | 3.849 | 4.049 | 49.220 | 50.000 | -1.6 |
| Heptachlor epoxide | 4.733 | 4.632 | 4.832 | 51.790 | 50.000 | 3.6 |
| Methoxychlor | 6.617 | 6.515 | 6.715 | 42.960 | 50.000 | -14.1 |
| Tetrachloro-m-xylene | 2.778 | 2.678 | 2.878 | 51.720 | 50.000 | 3.4 |

Quantitation Report (QT Reviewed)

Sample Results: **PL092993.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 01:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:09:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | SA | Tetrachlo... | 3.542 | 2.778 | 123.1E6 | 140.7E6 | 50.223 | 51.722 |
| 28) | SA | Decachlor... | 9.062 | 7.920 | 88021258 | 128.3E6 | 45.736 | 46.995 |
| | | Target Compounds | | | | | | |
| 2) | A | alpha-BHC | 3.998 | 3.281 | 169.6E6 | 211.1E6 | 50.009 | 52.909 |
| 3) | MA | gamma-BHC... | 4.331 | 3.611 | 160.9E6 | 202.5E6 | 49.356 | 52.477 |
| 4) | MA | Heptachlor | 4.919 | 3.950 | 137.7E6 | 185.8E6 | 45.836 | 49.223 |
| 5) | MB | Aldrin | 5.261 | 4.230 | 143.7E6 | 192.9E6 | 47.874 | 52.711 |
| 6) | B | beta-BHC | 4.529 | 3.911 | 70678897 | 85951393 | 48.897 | 52.210 |
| 7) | B | delta-BHC | 4.776 | 4.140 | 155.9E6 | 205.8E6 | 49.804 | 53.556 |
| 8) | B | Heptachlo... | 5.686 | 4.733 | 130.1E6 | 173.1E6 | 47.102m | 51.791 |
| 9) | A | Endosulfan I | 6.074 | 5.102 | 117.0E6 | 145.6E6 | 46.788 | 47.694 |
| 10) | B | gamma-Chl... | 5.944 | 4.983 | 126.5E6 | 175.2E6 | 47.547 | 52.130 |
| 11) | B | alpha-Chl... | 6.023 | 5.047 | 124.6E6 | 172.1E6 | 47.064 | 51.738 |
| 12) | B | 4,4'-DDE | 6.196 | 5.236 | 114.3E6 | 172.3E6 | 48.260 | 53.479 |
| 13) | MA | Dieldrin | 6.349 | 5.367 | 123.4E6 | 175.3E6 | 46.824 | 52.495 |
| 14) | MA | Endrin | 6.579 | 5.643 | 95665938 | 140.7E6 | 42.020 | 48.623 |
| 15) | B | Endosulfa... | 6.798 | 5.938 | 107.1E6 | 146.4E6 | 44.936 | 51.656 |
| 16) | A | 4,4'-DDD | 6.714 | 5.791 | 99850229 | 146.3E6 | 52.018 | 58.747 |
| 17) | MA | 4,4'-DDT | 7.026 | 6.041 | 83093040 | 114.1E6 | 40.146m | 42.537 |
| 18) | B | Endrin al... | 6.928 | 6.117 | 87754026 | 118.9E6 | 46.728 | 51.545 |
| 19) | B | Endosulfa... | 7.163 | 6.340 | 99207156 | 139.1E6 | 45.710 | 51.577 |
| 20) | A | Methoxychlor | 7.504 | 6.617 | 45835568 | 61350259 | 40.207 | 42.961 |
| 21) | B | Endrin ke... | 7.648 | 6.846 | 113.5E6 | 161.5E6 | 46.831 | 52.611 |
| 22) | | Mirex | 8.121 | 7.027 | 86751231 | 123.2E6 | 43.776 | 47.227 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 01:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

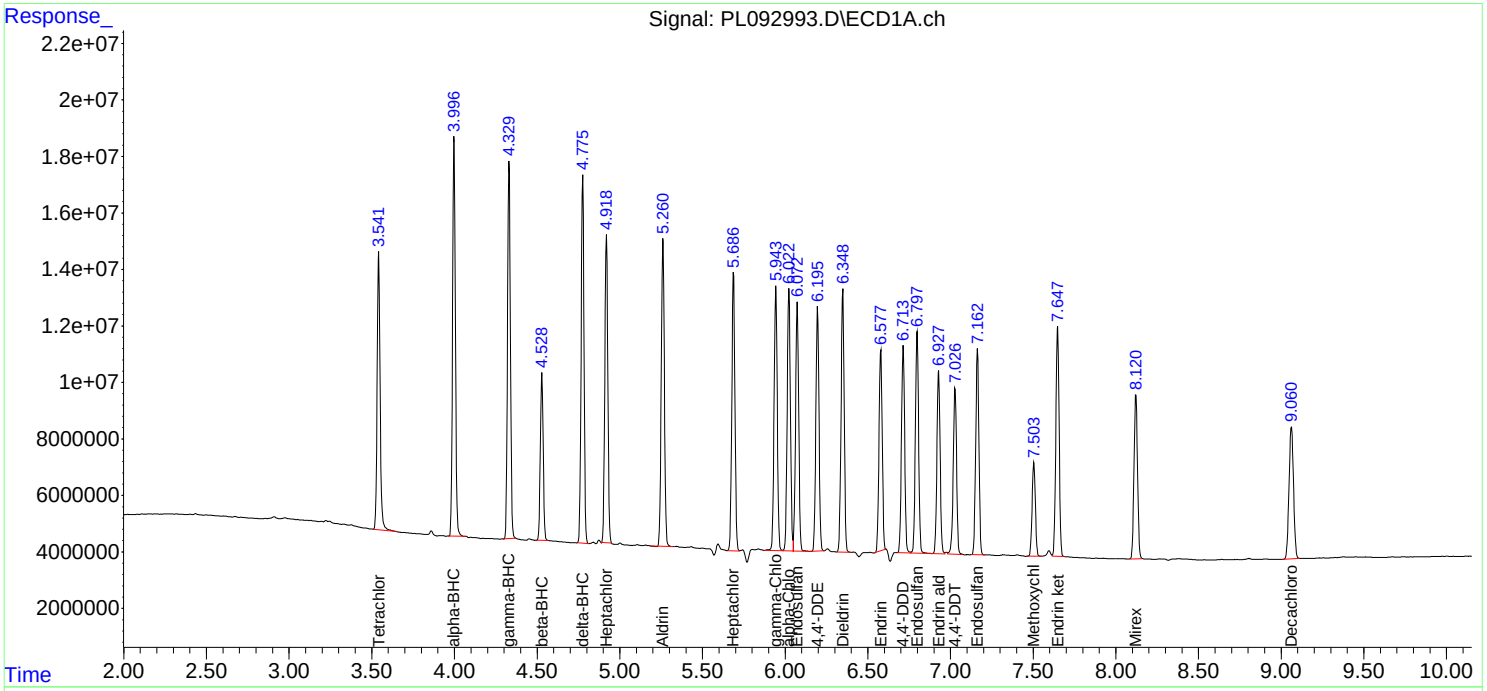
**Instrument :**
ECD_L
**ClientSampleId :**
PSTDCCC050

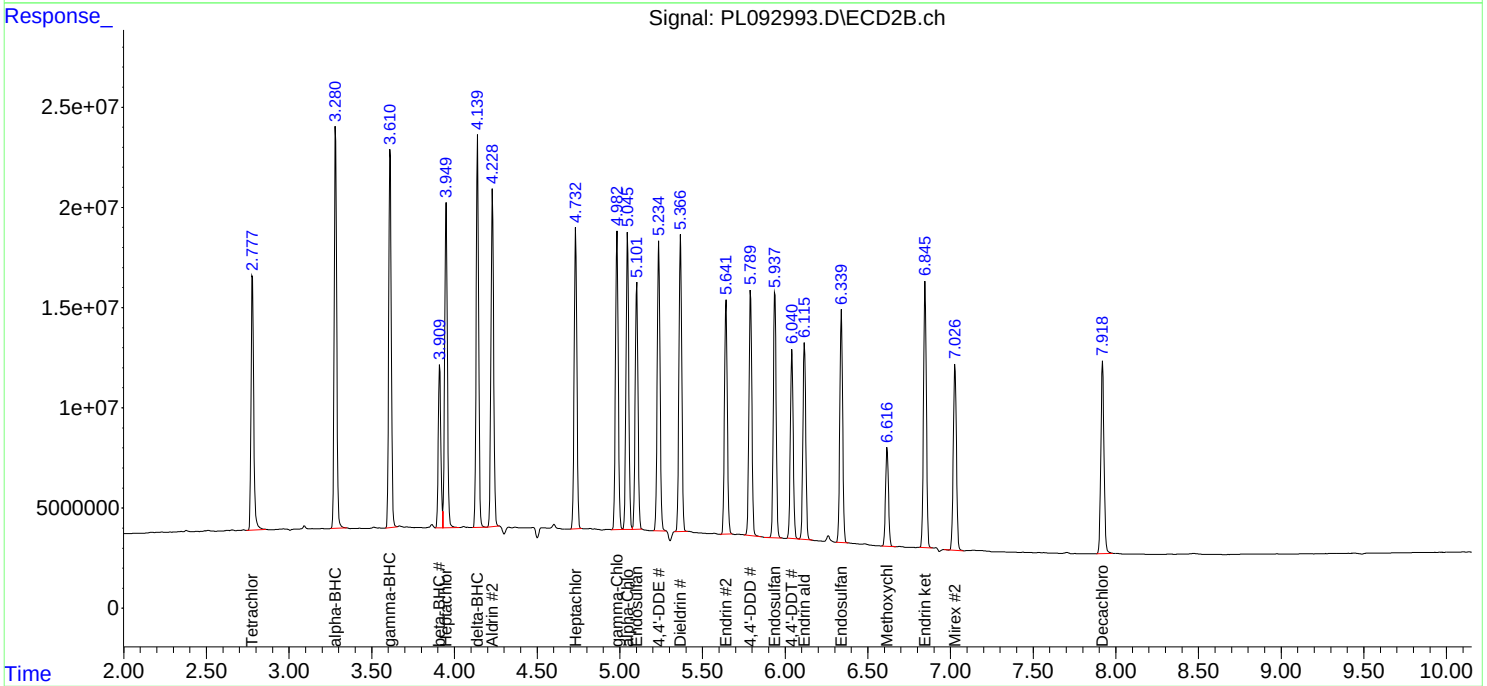
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:09:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

# PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No. (PEM):** PEM - PL092653.D **Date Analyzed:** 10/28/2024

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 14:16

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.059 | 8.960 | 9.160 | 19.970 | 20.000 | -0.2 |
| Tetrachloro-m-xylene | 3.546 | 3.500 | 3.600 | 19.290 | 20.000 | -3.6 |
| alpha-BHC | 4.001 | 3.950 | 4.050 | 9.920 | 10.000 | -0.8 |
| beta-BHC | 4.531 | 4.480 | 4.580 | 10.060 | 10.000 | 0.6 |
| gamma-BHC (Lindane) | 4.334 | 4.280 | 4.380 | 9.660 | 10.000 | -3.4 |
| Endrin | 6.580 | 6.510 | 6.650 | 41.060 | 50.000 | -17.9 |
| 4,4'-DDT | 7.030 | 6.960 | 7.100 | 88.060 | 100.000 | -11.9 |
| Methoxychlor | 7.505 | 7.430 | 7.580 | 204.090 | 250.000 | -18.4 |

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No. (PEM):** PEM - PL092653.D **Date Analyzed:** 10/28/2024

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 14:16

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.918 | 7.820 | 8.020 | 19.080 | 20.000 | -4.6 |
| Tetrachloro-m-xylene | 2.778 | 2.730 | 2.830 | 18.500 | 20.000 | -7.5 |
| alpha-BHC | 3.281 | 3.230 | 3.330 | 8.630 | 10.000 | -13.7 |
| beta-BHC | 3.911 | 3.860 | 3.960 | 9.760 | 10.000 | -2.4 |
| gamma-BHC (Lindane) | 3.611 | 3.560 | 3.660 | 8.390 | 10.000 | -16.1 |
| Endrin | 5.643 | 5.570 | 5.710 | 44.130 | 50.000 | -11.7 |
| 4,4'-DDT | 6.042 | 5.970 | 6.110 | 98.070 | 100.000 | -1.9 |
| Methoxychlor | 6.616 | 6.550 | 6.690 | 225.800 | 250.000 | -9.7 |

PEM

**Data File:** PL092653.D **Date Acquired** 10/28/2024 14:16

**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| **Name** | **RT** | **Response** | **Response [E+EA+EK]** | **Response [EA+EK]** | **% Break Down** Down |
|---|---|---|---|---|---|
| Endrin | 6.58 | 93472858.4 | 100627495.1 | 7154636.74 | **7.11** |
| Endrin aldehyde | 6.93 | 2255618.869 | | | |
| Endrin ketone | 7.65 | 4899017.868 | | | |

Column #2

| **Name** | **RT** | **Response** | **Response [E+EA+EK]** | **Response [EA+EK]** | **% Break Down** |
|---|---|---|---|---|---|
| Endrin #2 | 5.64 | 127670048.1 | 136276212.4 | 8606164.28 | **6.32** |
| Endrin aldehyde #2 | 6.12 | 3697589.438 | | | |
| Endrin ketone #2 | 6.84 | 4908574.846 | | | |

**DDT BREAK DOWN**

Column #1

| **Name** | **RT** | **Response** | **Response [DDT+DDE+DDD]** | **Response [DDE+DDD]** | **% Break Down** |
|---|---|---|---|---|---|
| 4,4'-DDT | 7.03 | 182263263.3 | 183689930.4 | 1426667.08 | **0.78** |
| 4,4'-DDE | 0.00 | 0 | | | |
| 4,4'-DDD | 6.72 | 1426667.076 | | | |

Column #2

| **Name** | **RT** | **Response** | **Response [DDT+DDE+DDD]** | **Response [DDE+DDD]** | **% Break Down** |
|---|---|---|---|---|---|
| 4,4'-DDT #2 | 6.04 | 263061944.1 | 264286032.2 | 1224088.02 | **0.46** |
| 4,4'-DDE #2 | 0.00 | 0 | | | |
| 4,4'-DDD #2 | 5.79 | 1224088.016 | | | |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.546 | 2.778 | 47253047 | 50346316 | 19.285 | 18.502 |
| 28) SA | Decachlor... | 9.059 | 7.918 | 38436874 | 52072459 | 19.972 | 19.079 |
| | Target Compounds | | | | | | |
| 2) A | alpha-BHC | 4.001 | 3.281 | 33636067 | 34444224 | 9.918 | 8.632 |
| 3) MA | gamma-BHC... | 4.334 | 3.611 | 31492360 | 32364466 | 9.662 | 8.386 |
| 6) B | beta-BHC | 4.531 | 3.911 | 14540729 | 16063325 | 10.060 | 9.758 |
| 14) MA | Endrin | 6.580 | 5.643 | 93472858 | 127.7E6 | 41.057 | 44.131 |
| 16) A | 4,4'-DDD | 6.718 | 5.791 | 1426667 | 1224088 | 0.743m | 0.492m# |
| 17) MA | 4,4'-DDT | 7.030 | 6.042 | 182.3E6 | 263.1E6 | 88.060 | 98.075 |
| 18) B | Endrin al... | 6.930 | 6.117 | 2255619 | 3697589 | 1.201 | 1.603 # |
| 20) A | Methoxychlor | 7.505 | 6.616 | 232.7E6 | 322.5E6 | 204.088 | 225.801 |
| 21) B | Endrin ke... | 7.648 | 6.845 | 4899018 | 4908575 | 2.022 | 1.600 |

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

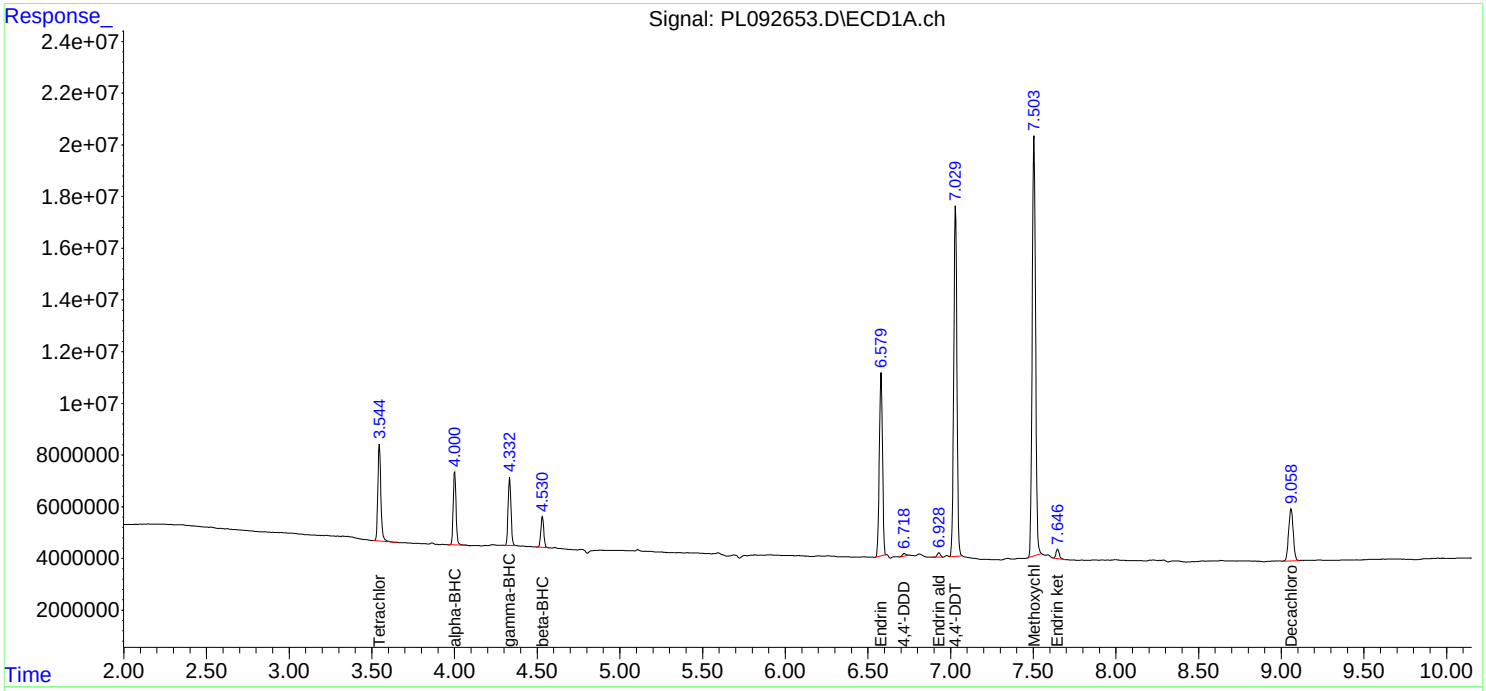
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

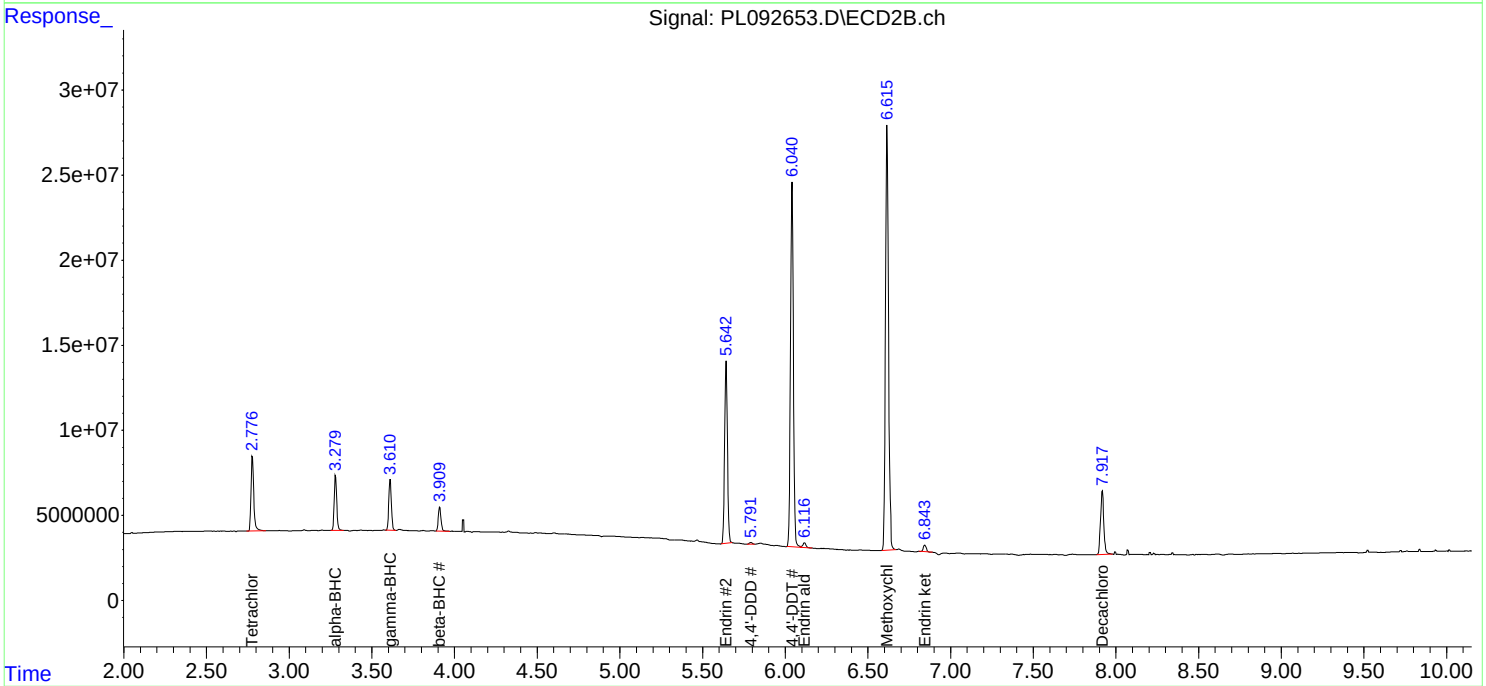
**Instrument :**
ECD_L
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

# PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No. (PEM):** PEM - PL092942.D **Date Analyzed:** 11/11/2024

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:49

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.061 | 8.960 | 9.160 | 20.400 | 20.000 | 2.0 |
| Tetrachloro-m-xylene | 3.542 | 3.490 | 3.590 | 22.810 | 20.000 | 14.1 |
| alpha-BHC | 3.998 | 3.950 | 4.050 | 11.770 | 10.000 | 17.7 |
| beta-BHC | 4.529 | 4.480 | 4.580 | 12.130 | 10.000 | 21.3 |
| gamma-BHC (Lindane) | 4.331 | 4.280 | 4.380 | 11.570 | 10.000 | 15.7 |
| Endrin | 6.578 | 6.510 | 6.650 | 42.290 | 50.000 | -15.4 |
| 4,4'-DDT | 7.028 | 6.960 | 7.100 | 86.420 | 100.000 | -13.6 |
| Methoxychlor | 7.504 | 7.430 | 7.570 | 198.890 | 250.000 | -20.4 |

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No. (PEM):** PEM - PL092942.D **Date Analyzed:** 11/11/2024

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:49

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.918 | 7.820 | 8.020 | 19.450 | 20.000 | -2.8 |
| Tetrachloro-m-xylene | 2.778 | 2.730 | 2.830 | 22.330 | 20.000 | 11.7 |
| alpha-BHC | 3.280 | 3.230 | 3.330 | 10.690 | 10.000 | 6.9 |
| beta-BHC | 3.911 | 3.860 | 3.960 | 11.740 | 10.000 | 17.4 |
| gamma-BHC (Lindane) | 3.611 | 3.560 | 3.660 | 10.280 | 10.000 | 2.8 |
| Endrin | 5.643 | 5.570 | 5.710 | 50.510 | 50.000 | 1.0 |
| 4,4'-DDT | 6.041 | 5.970 | 6.110 | 105.500 | 100.000 | 5.5 |
| Methoxychlor | 6.616 | 6.550 | 6.690 | 225.180 | 250.000 | -9.9 |

PEM

**Data File:** PL092942.D **Date Acquired** 11/11/2024 9:49

**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| | | | | | Down |
| Endrin | 6.58 | 96281762.2 | 108954642.7 | 12672880.5 | **11.63** |
| Endrin aldehyde | 6.93 | 3802056.774 | | | |
| Endrin ketone | 7.65 | 8870823.735 | | | |

Column #2

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| Endrin #2 | 5.64 | 146111707.9 | 163263678 | 17151970.2 | **10.51** |
| Endrin aldehyde #2 | 6.12 | 4630327.901 | | | |
| Endrin ketone #2 | 6.84 | 12521642.29 | | | |

**DDT BREAK DOWN**

Column #1

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT | 7.03 | 178860819.4 | 189469176.5 | 10608357.1 | **5.60** |
| 4,4'-DDE | 6.19 | 604610.345 | | | |
| 4,4'-DDD | 6.71 | 10003746.73 | | | |

Column #2

| Name | RT | Response | Response [DDT+DDE+DDD | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT #2 | 6.04 | 282978517.3 | 295209956.9 | 12231439.5 | **4.14** |
| 4,4'-DDE #2 | 5.23 | 556896.234 | | | |
| 4,4'-DDD #2 | 5.79 | 11674543.31 | | | |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:44:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.542 | 2.778 | 55891869 | 60760662 | 22.811 | 22.329 |
| 28) SA | Decachlor... | 9.061 | 7.918 | 39263888 | 53083659 | 20.402 | 19.450 |
| | Target Compounds | | | | | | |
| 2) A | alpha-BHC | 3.998 | 3.280 | 39926493 | 42665186 | 11.772 | 10.693 |
| 3) MA | gamma-BHC... | 4.331 | 3.611 | 37717199 | 39666101 | 11.571 | 10.278 |
| 6) B | beta-BHC | 4.529 | 3.911 | 17529188 | 19320729 | 12.127 | 11.736 |
| 12) B | 4,4'-DDE | 6.195 | 5.235 | 604610 | 556896 | 0.255m | 0.173m# |
| 14) MA | Endrin | 6.578 | 5.643 | 96281762 | 146.1E6 | 42.291 | 50.505 |
| 16) A | 4,4'-DDD | 6.713 | 5.791 | 10003747 | 11674543 | 5.212 | 4.688 |
| 17) MA | 4,4'-DDT | 7.028 | 6.041 | 178.9E6 | 283.0E6 | 86.417 | 105.500 |
| 18) B | Endrin al... | 6.928 | 6.116 | 3802057 | 4630328 | 2.025 | 2.007 |
| 20) A | Methoxychlor | 7.504 | 6.616 | 226.7E6 | 321.6E6 | 198.895 | 225.177 |
| 21) B | Endrin ke... | 7.648 | 6.845 | 8870824 | 12521642 | 3.661 | 4.080 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

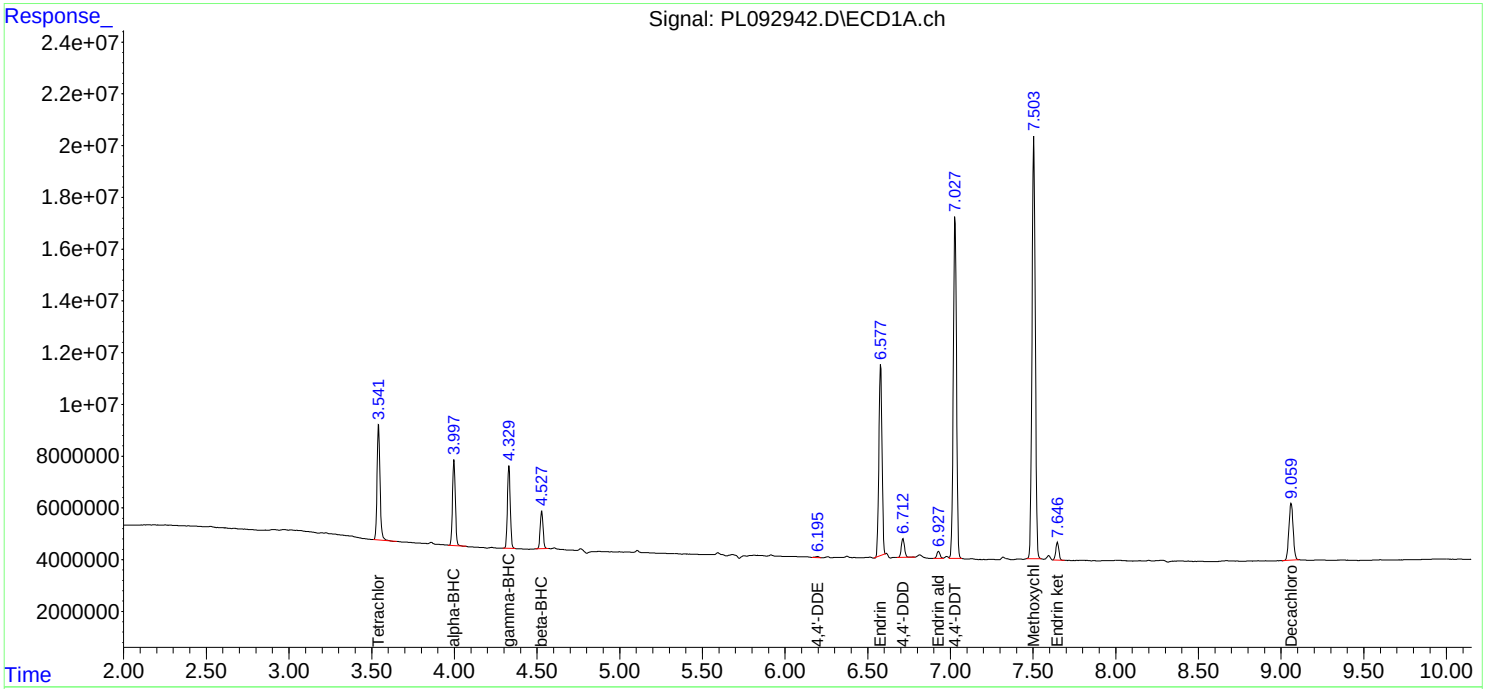
**Instrument :**
ECD_L
**ClientSampleId :**
PEM

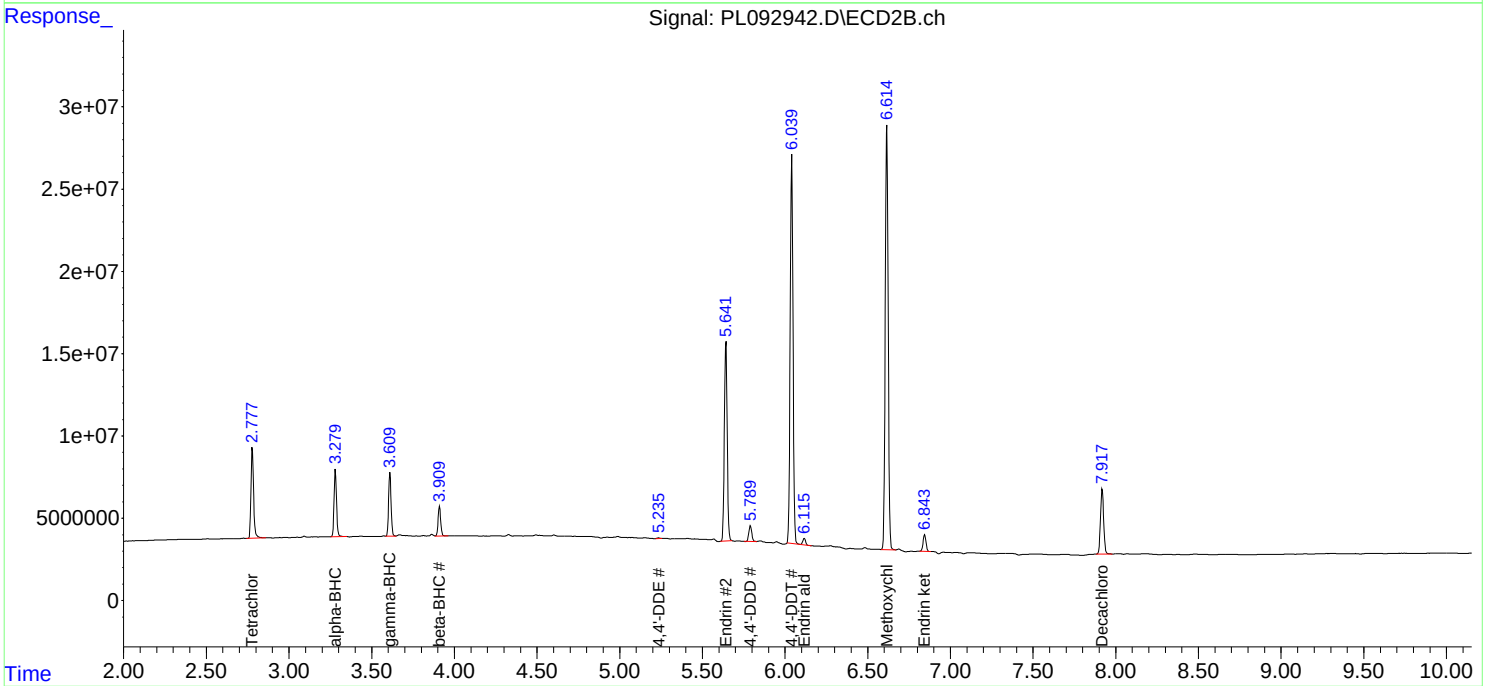
**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:44:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No. (PEM):** PEM - PL092972.D **Date Analyzed:** 11/11/2024

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 20:00

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.062 | 8.960 | 9.160 | 20.460 | 20.000 | 2.3 |
| Tetrachloro-m-xylene | 3.542 | 3.490 | 3.590 | 22.530 | 20.000 | 12.7 |
| alpha-BHC | 3.998 | 3.950 | 4.050 | 11.450 | 10.000 | 14.5 |
| beta-BHC | 4.529 | 4.480 | 4.580 | 11.720 | 10.000 | 17.2 |
| gamma-BHC (Lindane) | 4.331 | 4.280 | 4.380 | 11.150 | 10.000 | 11.5 |
| Endrin | 6.579 | 6.510 | 6.650 | 41.830 | 50.000 | -16.3 |
| 4,4'-DDT | 7.029 | 6.960 | 7.100 | 82.830 | 100.000 | -17.2 |
| Methoxychlor | 7.506 | 7.440 | 7.580 | 196.860 | 250.000 | -21.3 |

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

**Client Sample No. (PEM):** PEM - PL092972.D **Date Analyzed:** 11/11/2024

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 20:00

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 7.920 | 7.820 | 8.020 | 19.420 | 20.000 | -2.9 |
| Tetrachloro-m-xylene | 2.779 | 2.730 | 2.830 | 21.700 | 20.000 | 8.5 |
| alpha-BHC | 3.282 | 3.230 | 3.330 | 10.340 | 10.000 | 3.4 |
| beta-BHC | 3.912 | 3.860 | 3.960 | 11.670 | 10.000 | 16.7 |
| gamma-BHC (Lindane) | 3.612 | 3.560 | 3.660 | 9.880 | 10.000 | -1.2 |
| Endrin | 5.644 | 5.570 | 5.710 | 48.440 | 50.000 | -3.1 |
| 4,4'-DDT | 6.042 | 5.970 | 6.110 | 95.830 | 100.000 | -4.2 |
| Methoxychlor | 6.618 | 6.550 | 6.690 | 221.160 | 250.000 | -11.5 |

PEM

**Data File:** PL092972.D **Date Acquired** 11/11/2024 20:00

**Operator:** AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down Down |
|---|---|---|---|---|---|
| Endrin | 6.58 | 95224884.74 | 109635284.1 | 14410399.3 | **13.14** |
| Endrin aldehyde | 6.93 | 4877451.157 | | | |
| Endrin ketone | 7.65 | 9532948.157 | | | |

Column #2

| Name | RT | Response | Response [E+EA+EK] | Response [EA+EK] | % Break Down |
|---|---|---|---|---|---|
| Endrin #2 | 5.64 | 140151009.8 | 157619437.1 | 17468427.3 | **11.08** |
| Endrin aldehyde #2 | 6.12 | 5304358.672 | | | |
| Endrin ketone #2 | 6.85 | 12164068.62 | | | |

**DDT BREAK DOWN**

Column #1

| Name | RT | Response | Response [DDT+DDE+DDD] | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT | 7.03 | 171437415 | 185415879 | 13978464 | **7.54** |
| 4,4'-DDE | 6.20 | 367719.77 | | | |
| 4,4'-DDD | 6.71 | 13610744.24 | | | |

Column #2

| Name | RT | Response | Response [DDT+DDE+DDD] | Response [DDE+DDD] | % Break Down |
|---|---|---|---|---|---|
| 4,4'-DDT #2 | 6.04 | 257038605.6 | 273695303.5 | 16656697.9 | **6.09** |
| 4,4'-DDE #2 | 5.24 | 519270.263 | | | |
| 4,4'-DDD #2 | 5.79 | 16137427.61 | | | |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 20:00
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:25:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.779 | 55209221 | 59046240 | 22.532 | 21.699 |
| 28) | SA Decachlor... | 9.062 | 7.920 | 39375238 | 53002059 | 20.459 | 19.420 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.998 | 3.282 | 38817725 | 41243610 | 11.445 | 10.336 |
| 3) | MA gamma-BHC... | 4.331 | 3.612 | 36347129 | 38125449 | 11.151 | 9.878 |
| 6) | B beta-BHC | 4.529 | 3.912 | 16936254 | 19209414 | 11.717 | 11.669 |
| 12) | B 4,4'-DDE | 6.199 | 5.235 | 367720 | 519270 | 0.155m | 0.161m |
| 14) | MA Endrin | 6.579 | 5.644 | 95224885 | 140.2E6 | 41.827 | 48.445 |
| 16) | A 4,4'-DDD | 6.714 | 5.792 | 13610744 | 16137428 | 7.091 | 6.481 |
| 17) | MA 4,4'-DDT | 7.029 | 6.042 | 171.4E6 | 257.0E6 | 82.830 | 95.829 |
| 18) | B Endrin al... | 6.928 | 6.118 | 4877451 | 5304359 | 2.597 | 2.299 |
| 20) | A Methoxychlor | 7.506 | 6.618 | 224.4E6 | 315.8E6 | 196.862 | 221.159 |
| 21) | B Endrin ke... | 7.648 | 6.846 | 9532948 | 12164069 | 3.935 | 3.964 |

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

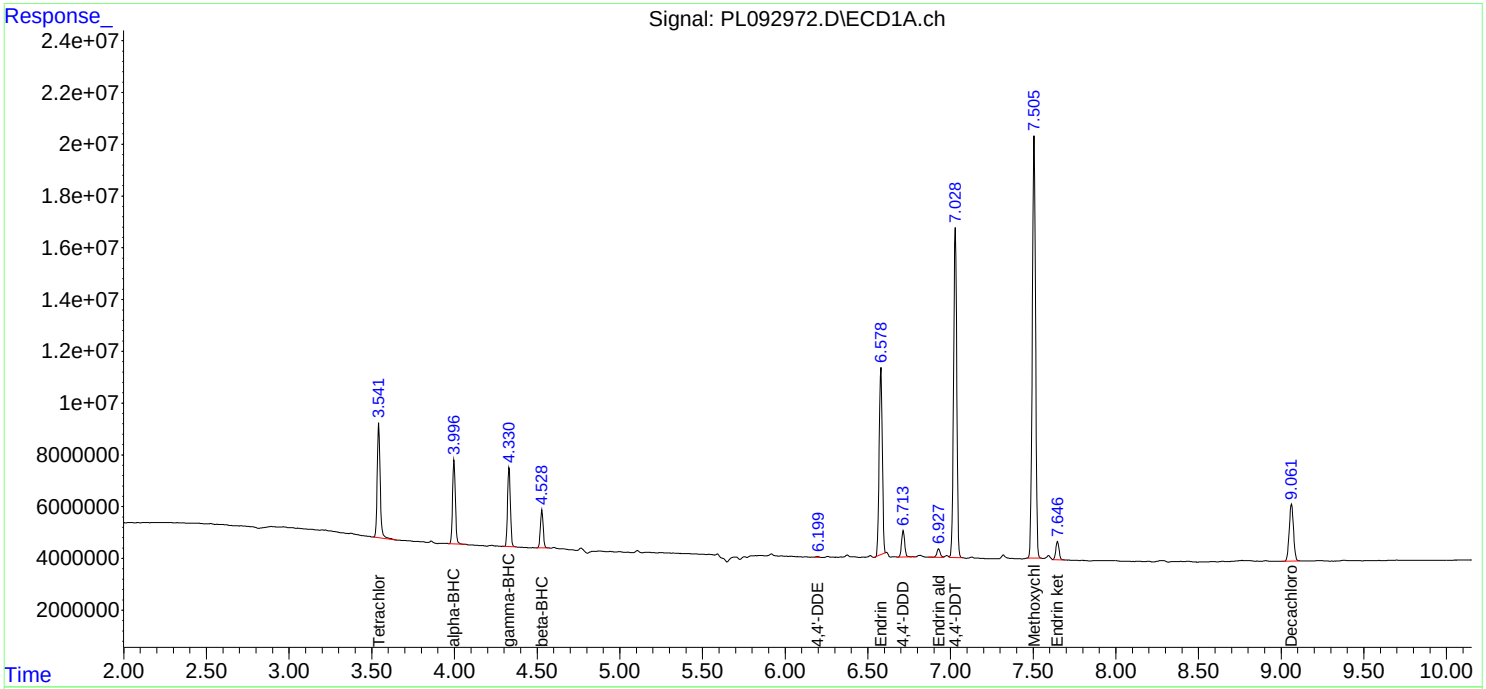
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 20:00
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

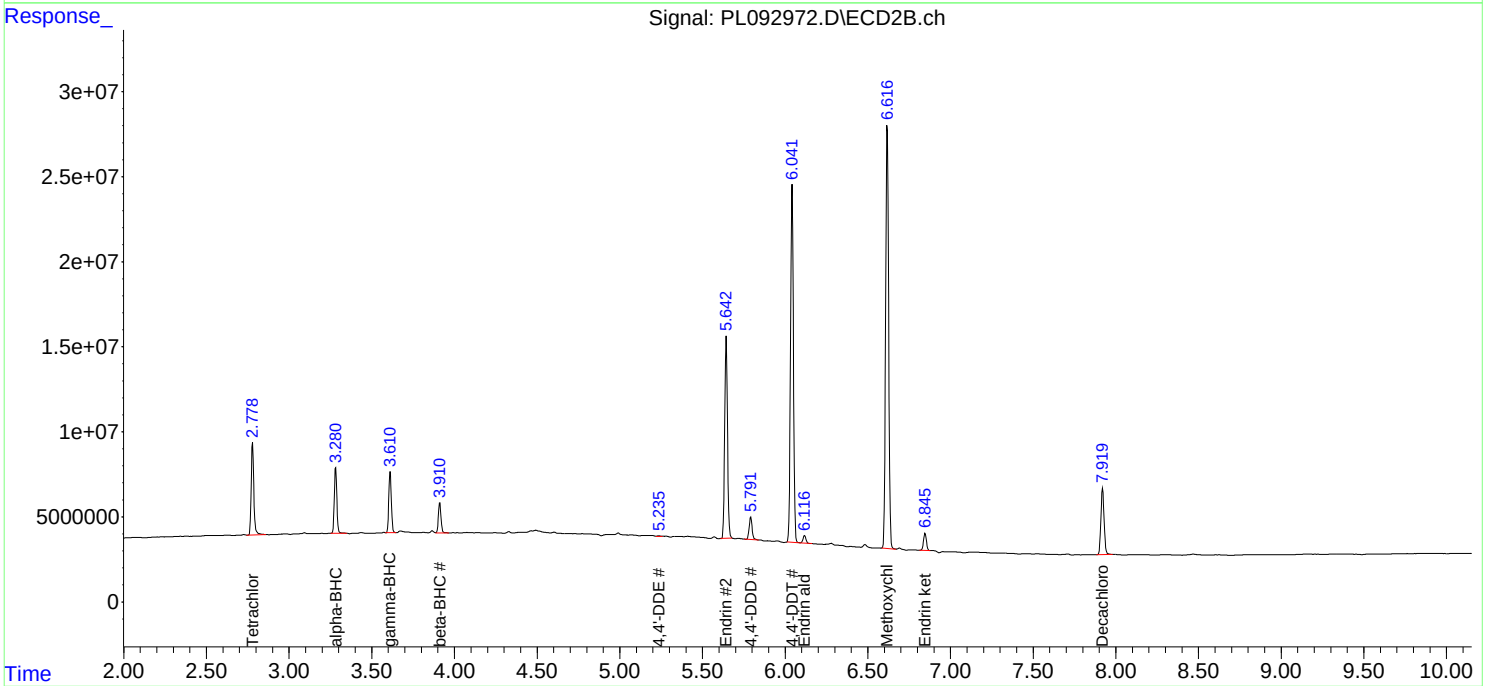
**Instrument :**
ECD_L
**ClientSampleId :**
PEM

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:25:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Title : GC Extractables
Last Update : Mon Oct 28 18:58:23 2024
Integrator: ChemStation

| RT#1 | RT#2 | Resolution |
|---|---|---|
| 3.540 | 5.940 | 100.00% |
| 5.940 | 6.070 | 100.00% |
| 6.070 | 6.193 | 100.00% |
| 6.193 | 6.345 | 100.00% |
| 6.345 | 7.158 | 100.00% |
| 7.158 | 7.499 | 100.00% |
| 7.499 | 7.643 | 100.00% |
| 7.643 | 9.054 | 100.00% |

Signal #2

| | | |
|---|---|---|
| 2.778 | 4.982 | 100.00% |
| 4.982 | 5.102 | 100.00% |
| 5.102 | 5.235 | 100.00% |
| 5.235 | 5.366 | 100.00% |
| 5.366 | 6.338 | 100.00% |
| 6.338 | 6.615 | 100.00% |
| 6.615 | 6.844 | 100.00% |
| 6.844 | 7.916 | 100.00% |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.540 | 2.778 | 48587926 | 52085719 | 19.830 | 19.141 |
| 28) SA | Decachlor... | 9.054 | 7.916 | 38629596 | 53476121 | 20.072 | 19.594 |
| | Target Compounds | | | | | | |
| 9) A | Endosulfan I | 6.070 | 5.102 | 26602716 | 28047383 | 10.635 | 9.186 |
| 10) B | gamma-Chl... | 5.940 | 4.982 | 28607831 | 32626788 | 10.752 | 9.705 |
| 12) B | 4,4'-DDE | 6.193 | 5.235 | 47717989 | 61582025 | 20.141 | 19.115 |
| 13) MA | Dieldrin | 6.345 | 5.366 | 51856039 | 61668549 | 19.676 | 18.462 |
| 19) B | Endosulfa... | 7.158 | 6.338 | 40592527 | 50485467 | 18.703 | 18.720 |
| 20) A | Methoxychlor | 7.499 | 6.615 | 100.3E6 | 134.2E6 | 87.976 | 93.949 |
| 21) B | Endrin ke... | 7.643 | 6.844 | 47240044 | 57600618 | 19.498 | 18.770 |

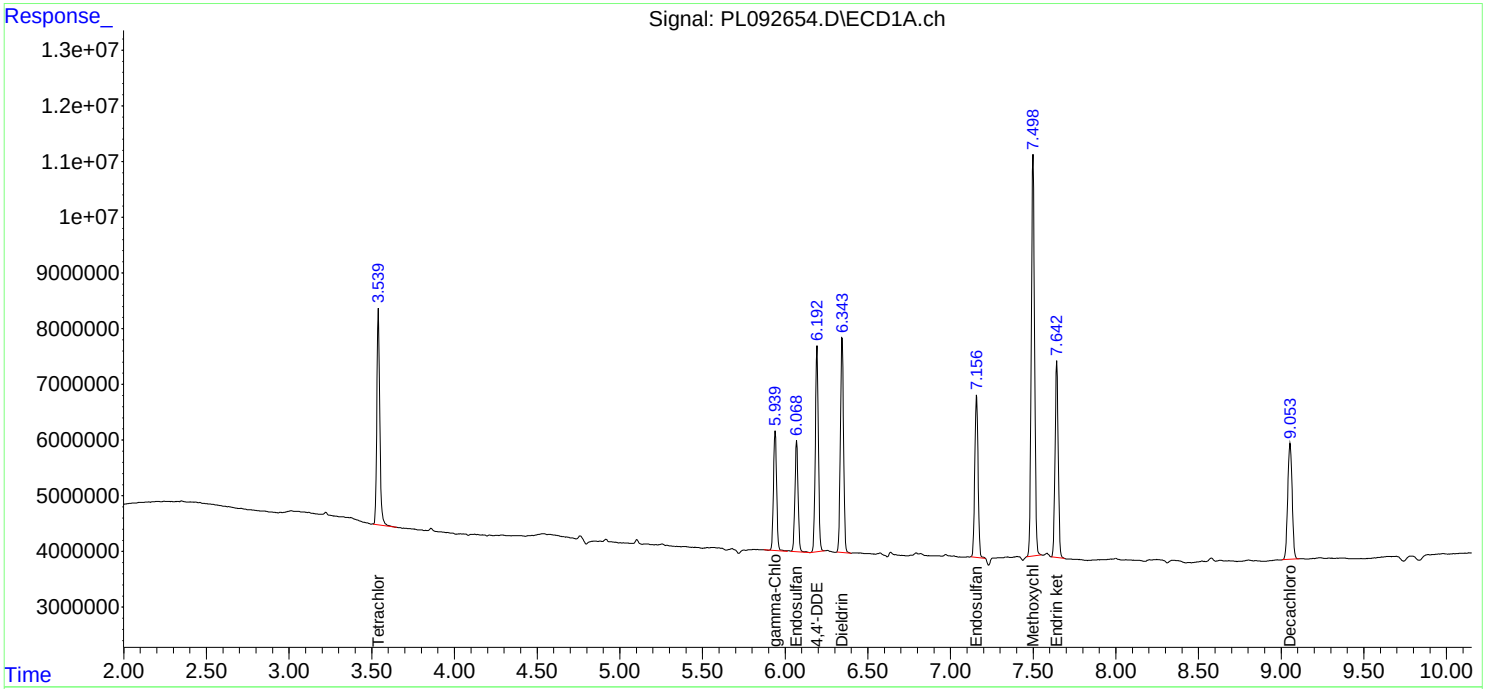
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

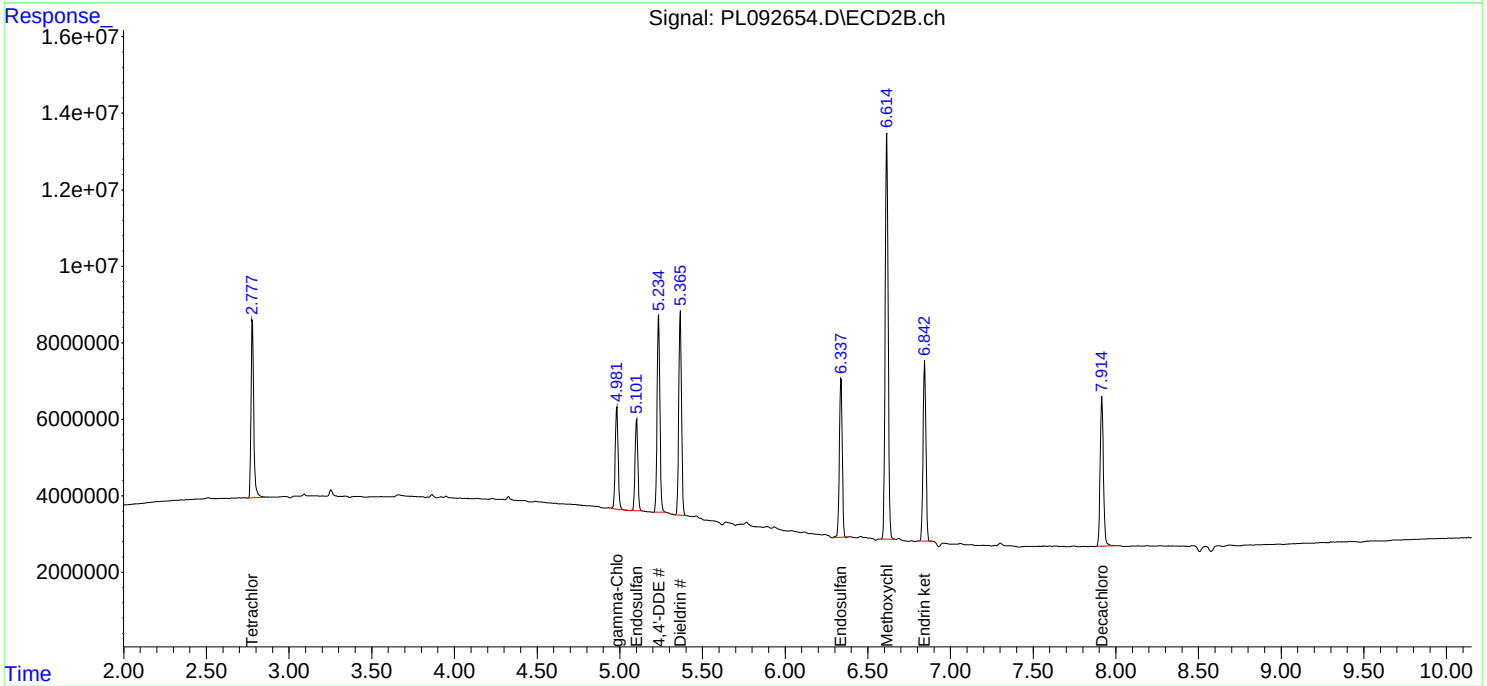
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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Fax : 908 789 8922

# Analytical Sequence

**Client:** Furino and Sons, Inc. **SDG No.:** P4732

**Project:** PPE Contamination **Instrument ID:** ECD_L

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 10/28/2024 | 13:55 | PL092652.D | 9.05 | 3.54 |
| PEM | PEM | 10/28/2024 | 14:16 | PL092653.D | 9.06 | 3.55 |
| RESCHK | RESCHK | 10/28/2024 | 14:29 | PL092654.D | 9.05 | 3.54 |
| PSTDICC100 | PSTDICC100 | 10/28/2024 | 14:43 | PL092655.D | 9.05 | 3.54 |
| PSTDICC075 | PSTDICC075 | 10/28/2024 | 14:56 | PL092656.D | 9.05 | 3.54 |
| PSTDICC050 | PSTDICC050 | 10/28/2024 | 15:09 | PL092657.D | 9.05 | 3.54 |
| PSTDICC025 | PSTDICC025 | 10/28/2024 | 15:23 | PL092658.D | 9.05 | 3.54 |
| PSTDICC005 | PSTDICC005 | 10/28/2024 | 15:36 | PL092659.D | 9.05 | 3.54 |
| PCHLORICC500 | PCHLORICC500 | 10/28/2024 | 16:16 | PL092662.D | 9.06 | 3.54 |
| PTOXICC500 | PTOXICC500 | 10/28/2024 | 17:23 | PL092667.D | 9.05 | 3.54 |
| I.BLK | I.BLK | 11/11/2024 | 09:35 | PL092941.D | 9.06 | 3.54 |
| PEM | PEM | 11/11/2024 | 09:49 | PL092942.D | 9.06 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 11:58 | PL092943.D | 9.06 | 3.54 |
| PB164849BL | PB164849BL | 11/11/2024 | 12:12 | PL092944.D | 9.06 | 3.54 |
| PB164849BS | PB164849BS | 11/11/2024 | 12:26 | PL092945.D | 9.06 | 3.54 |
| PB164694TB | PB164694TB | 11/11/2024 | 12:40 | PL092946.D | 9.06 | 3.54 |
| I.BLK | I.BLK | 11/11/2024 | 16:35 | PL092959.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 16:49 | PL092960.D | 9.06 | 3.54 |
| I.BLK | I.BLK | 11/11/2024 | 19:46 | PL092971.D | 9.06 | 3.54 |
| PEM | PEM | 11/11/2024 | 20:00 | PL092972.D | 9.06 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 20:14 | PL092973.D | 9.06 | 3.54 |
| WB-307-SB02MS | P4718-03MS | 11/11/2024 | 23:01 | PL092984.D | 9.06 | 3.54 |
| WB-307-SB02MSD | P4718-03MSD | 11/11/2024 | 23:14 | PL092985.D | 9.06 | 3.54 |
| PPE-COMP | P4732-02 | 11/12/2024 | 00:10 | PL092989.D | 9.06 | 3.54 |
| I.BLK | I.BLK | 11/12/2024 | 00:52 | PL092992.D | 9.06 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/12/2024 | 01:06 | PL092993.D | 9.06 | 3.54 |

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# Analytical Sequence

**Client:** Furino and Sons, Inc. **SDG No.:** P4732

**Project:** PPE Contamination **Instrument ID:** ECD_L

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 10/28/2024 | 13:55 | PL092652.D | 7.92 | 2.78 |
| PEM | PEM | 10/28/2024 | 14:16 | PL092653.D | 7.92 | 2.78 |
| RESCHK | RESCHK | 10/28/2024 | 14:29 | PL092654.D | 7.92 | 2.78 |
| PSTDICC100 | PSTDICC100 | 10/28/2024 | 14:43 | PL092655.D | 7.92 | 2.78 |
| PSTDICC075 | PSTDICC075 | 10/28/2024 | 14:56 | PL092656.D | 7.92 | 2.78 |
| PSTDICC050 | PSTDICC050 | 10/28/2024 | 15:09 | PL092657.D | 7.92 | 2.78 |
| PSTDICC025 | PSTDICC025 | 10/28/2024 | 15:23 | PL092658.D | 7.92 | 2.78 |
| PSTDICC005 | PSTDICC005 | 10/28/2024 | 15:36 | PL092659.D | 7.92 | 2.78 |
| PCHLORICC500 | PCHLORICC500 | 10/28/2024 | 16:16 | PL092662.D | 7.92 | 2.78 |
| PTOXICC500 | PTOXICC500 | 10/28/2024 | 17:23 | PL092667.D | 7.92 | 2.78 |
| I.BLK | I.BLK | 11/11/2024 | 09:35 | PL092941.D | 7.92 | 2.78 |
| PEM | PEM | 11/11/2024 | 09:49 | PL092942.D | 7.92 | 2.78 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 11:58 | PL092943.D | 7.92 | 2.78 |
| PB164849BL | PB164849BL | 11/11/2024 | 12:12 | PL092944.D | 7.92 | 2.78 |
| PB164849BS | PB164849BS | 11/11/2024 | 12:26 | PL092945.D | 7.92 | 2.78 |
| PB164694TB | PB164694TB | 11/11/2024 | 12:40 | PL092946.D | 7.92 | 2.78 |
| I.BLK | I.BLK | 11/11/2024 | 16:35 | PL092959.D | 7.92 | 2.78 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 16:49 | PL092960.D | 7.92 | 2.78 |
| I.BLK | I.BLK | 11/11/2024 | 19:46 | PL092971.D | 7.92 | 2.78 |
| PEM | PEM | 11/11/2024 | 20:00 | PL092972.D | 7.92 | 2.78 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 20:14 | PL092973.D | 7.92 | 2.78 |
| WB-307-SB02MS | P4718-03MS | 11/11/2024 | 23:01 | PL092984.D | 7.92 | 2.78 |
| WB-307-SB02MSD | P4718-03MSD | 11/11/2024 | 23:14 | PL092985.D | 7.92 | 2.78 |
| PPE-COMP | P4732-02 | 11/12/2024 | 00:10 | PL092989.D | 7.92 | 2.78 |
| I.BLK | I.BLK | 11/12/2024 | 00:52 | PL092992.D | 7.92 | 2.78 |
| PSTDCCC050 | PSTDCCC050 | 11/12/2024 | 01:06 | PL092993.D | 7.92 | 2.78 |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB164849BS**

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Lab Sample ID:** PB164849BS **Date(s) Analyzed:** 11/11/2024 11/11/2024

**Instrument ID (1):** ECD_L **Instrument ID (2):** ECD_L

**GC Column: (1):** ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Methoxychlor | 1 | 7.51 | 7.46 | 7.56 | 0.46 | 8.6 |
| | 2 | 6.62 | 6.57 | 6.67 | 0.50 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 0.48 | 6 |
| | 2 | 3.61 | 3.56 | 3.66 | 0.51 | |
| Heptachlor | 1 | 4.92 | 4.87 | 4.97 | 0.49 | 7.5 |
| | 2 | 3.95 | 3.90 | 4.00 | 0.53 | |
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 0.48 | 10.6 |
| | 2 | 4.73 | 4.68 | 4.78 | 0.53 | |
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 0.44 | 18.6 |
| | 2 | 5.64 | 5.59 | 5.69 | 0.53 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**WB-307-SB02MS**

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Lab Sample ID:** P4718-03MS **Date(s) Analyzed:** 11/11/2024 11/11/2024

**Instrument ID (1):** ECD_L **Instrument ID (2):** ECD_L

**GC Column: (1):** ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 4.40 | 16.7 |
| | 2 | 5.64 | 5.59 | 5.69 | 5.20 | |
| Methoxychlor | 1 | 7.51 | 7.46 | 7.56 | 4.50 | 6.5 |
| | 2 | 6.62 | 6.57 | 6.67 | 4.80 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 4.60 | 6.3 |
| | 2 | 3.61 | 3.56 | 3.66 | 4.90 | |
| Heptachlor | 1 | 4.92 | 4.87 | 4.97 | 5.00 | 7.7 |
| | 2 | 3.95 | 3.90 | 4.00 | 5.40 | |
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 4.70 | 12 |
| | 2 | 4.73 | 4.68 | 4.78 | 5.30 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**WB-307-SB02MSD**

**Contract:** FURI01

**Lab Code:** CHEM **Case No.:** P4732 **SAS No.:** P4732 **SDG NO.:** P4732

**Lab Sample ID:** P4718-03MSD **Date(s) Analyzed:** 11/11/2024 11/11/2024

**Instrument ID (1):** ECD_L **Instrument ID (2):** ECD_L

**GC Column: (1):** ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Methoxychlor | 1 | 7.50 | 7.45 | 7.55 | 4.50 | 6.5 |
| | 2 | 6.62 | 6.57 | 6.67 | 4.80 | |
| gamma-BHC (Lindane) | 1 | 4.33 | 4.28 | 4.38 | 4.60 | 6.3 |
| | 2 | 3.61 | 3.56 | 3.66 | 4.90 | |
| Heptachlor | 1 | 4.92 | 4.87 | 4.97 | 5.00 | 9.5 |
| | 2 | 3.95 | 3.90 | 4.00 | 5.50 | |
| Heptachlor epoxide | 1 | 5.69 | 5.64 | 5.74 | 4.80 | 9.9 |
| | 2 | 4.73 | 4.68 | 4.78 | 5.30 | |
| Endrin | 1 | 6.58 | 6.53 | 6.63 | 4.50 | 18.2 |
| | 2 | 5.64 | 5.59 | 5.69 | 5.40 | |

# QC SAMPLE DATA

Raw Data: **PL092944.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | |
| Project: | PPE Contamination | Date Received: | |
| Client Sample ID: | PB164849BL | SDG No.: | P4732 |
| Lab Sample ID: | PB164849BL | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092944.D | 1 | 11/10/24 08:44 | 11/11/24 12:12 | PB164849 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0054 | U | 0.0054 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0090 | U | 0.0090 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0043 | U | 0.0043 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 57-74-9 | Chlordane | 0.082 | U | 0.082 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.1 | | 43 - 140 | 105% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 77 - 126 | 104% | SPK: 20 |

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: **PL092944.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:12
Operator : AR\AJ
Sample : PB164849BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PB164849BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:47:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.778 | 50726938 | 54774564 | 20.703 | 20.129 |
| 28) | SA Decachlor... | 9.061 | 7.919 | 40520105 | 55953124 | 21.054 | 20.501 |
| | Target Compounds | | | | | | |

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

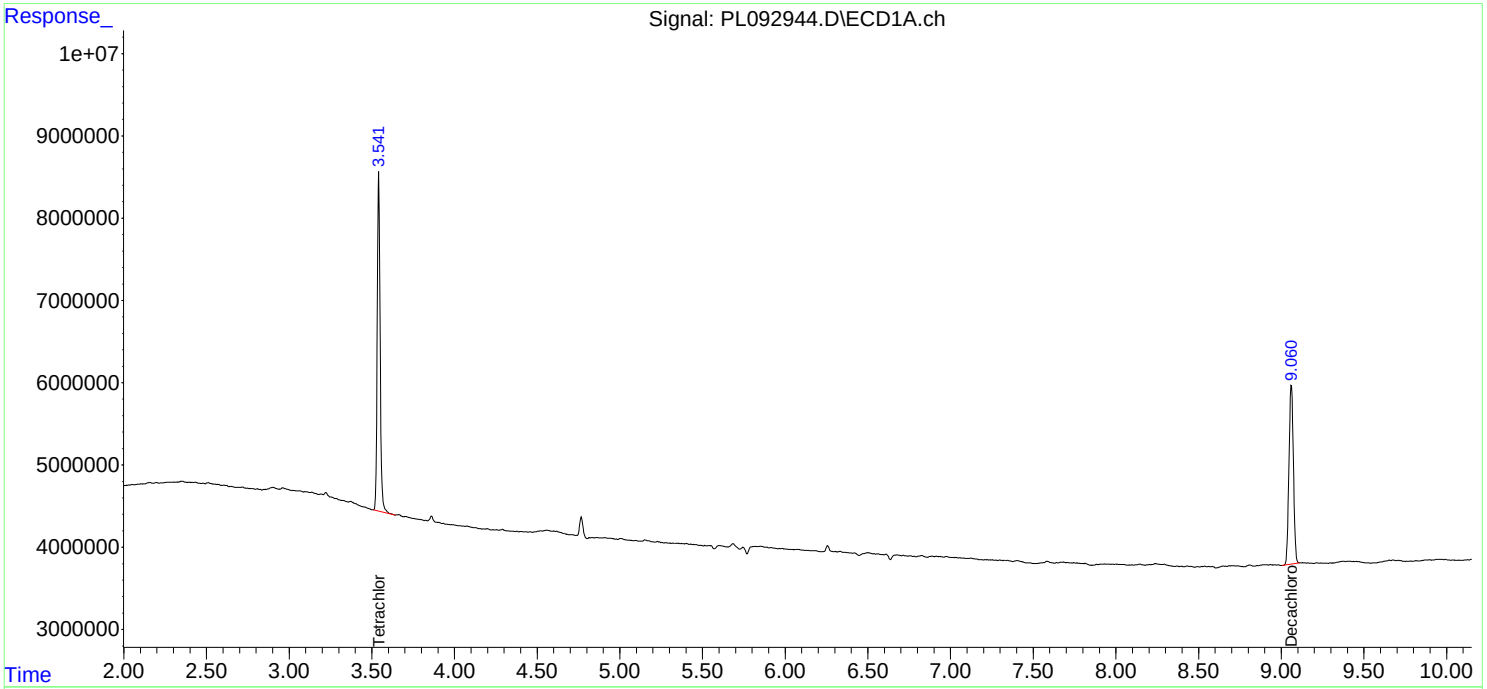
Sample Results: **PL092944.D**

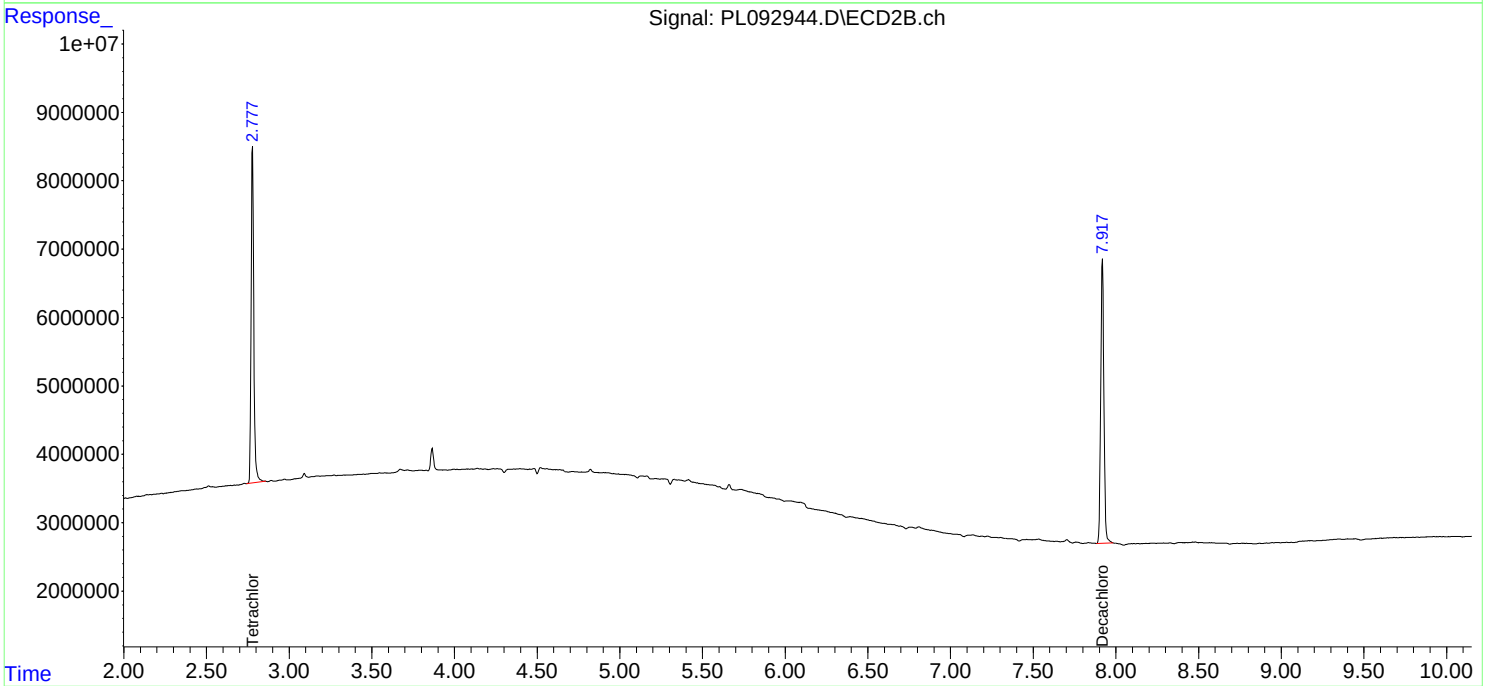
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:12
Operator : AR\AJ
Sample : PB164849BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

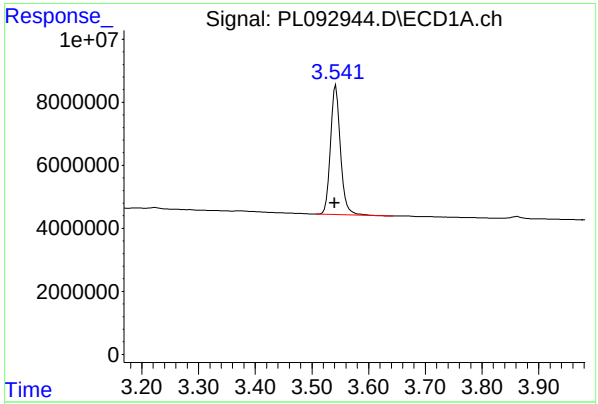
**Instrument :**
ECD_L
**ClientSampleId :**
PB164849BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:47:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



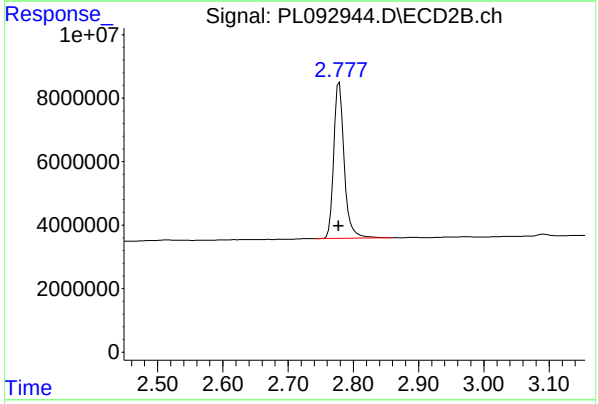






#1 Tetrachloro-m-xylene

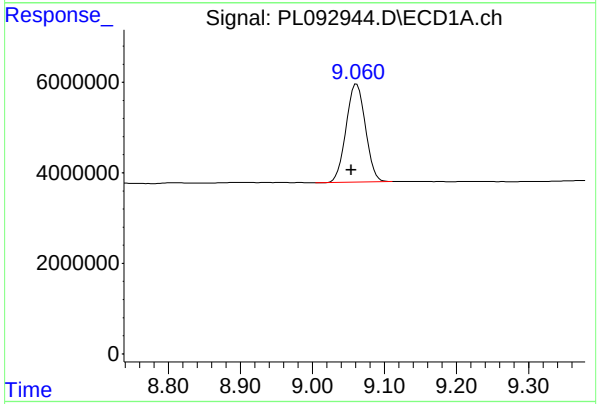
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 50726938
Conc: 20.70 ng/ml

**Instrument :**
ECD_L
**ClientSampleId :**
PB164849BL



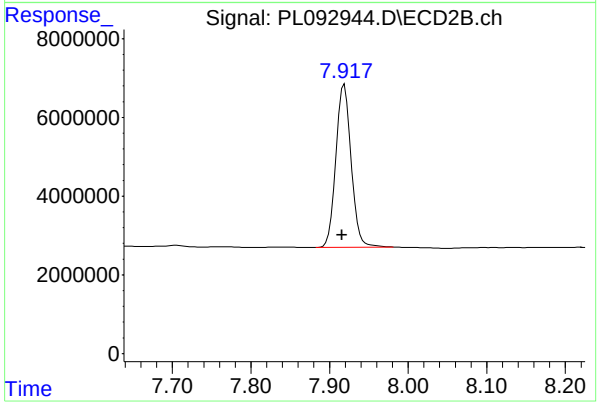

#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 54774564
Conc: 20.13 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.007 min
Response: 40520105
Conc: 21.05 ng/ml




#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.003 min
Response: 55953124
Conc: 20.50 ng/ml

Raw Data: **PL092652.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 10/28/24 |
| Project: | PPE Contamination | Date Received: | 10/28/24 |
| Client Sample ID: | PIBLK-PL092652.D | SDG No.: | P4732 |
| Lab Sample ID: | I.BLK-PL092652.D | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092652.D | 1 | | 10/28/24 | PL102824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0054 | U | 0.0054 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0090 | U | 0.0090 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0043 | U | 0.0043 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 57-74-9 | Chlordane | 0.082 | U | 0.082 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 22.7 | | 43 - 140 | 114% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.6 | | 77 - 126 | 108% | SPK: 20 |

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: **PL092652.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:20:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.539 | 2.777 | 52846066 | 55504223 | 21.568 | 20.397 |
| 28) | SA Decachlor... | 9.052 | 7.915 | 43705517 | 59287776 | 22.709 | 21.723 |
| | Target Compounds | | | | | | |

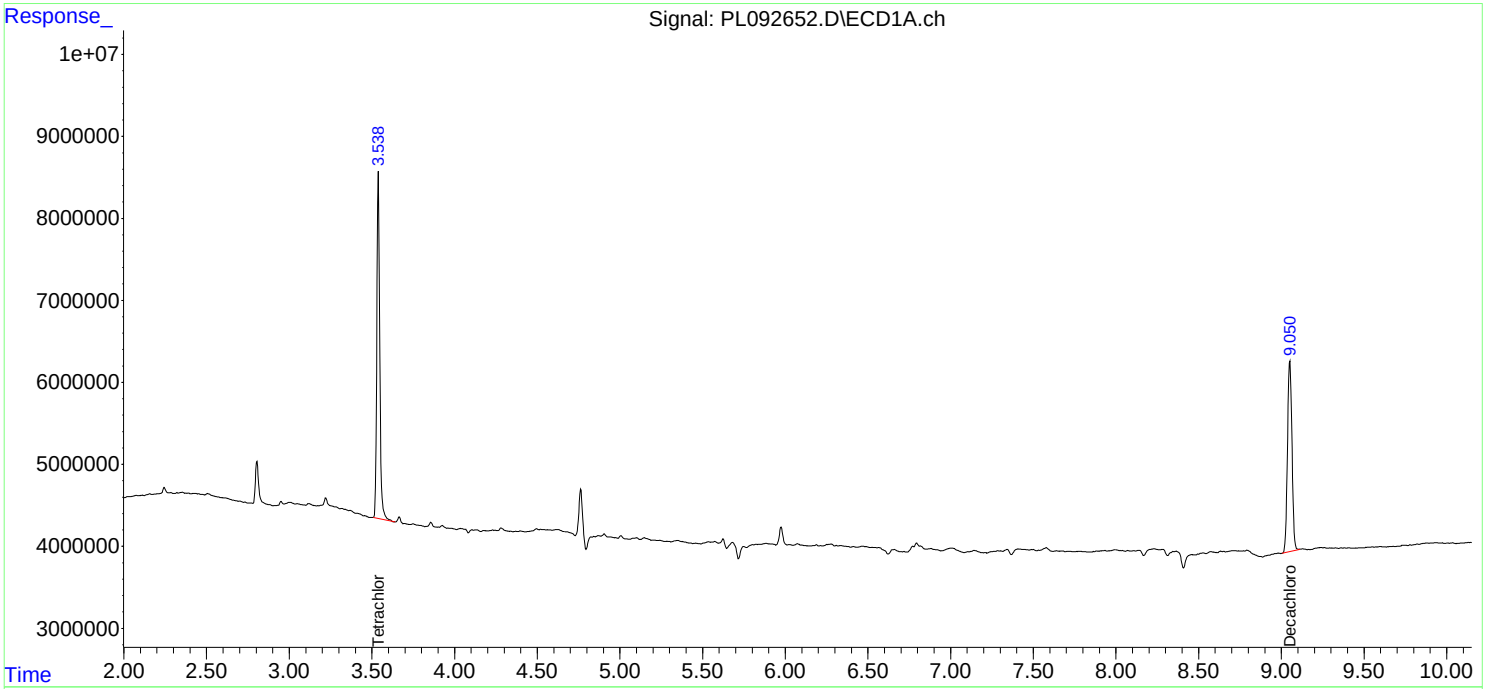
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

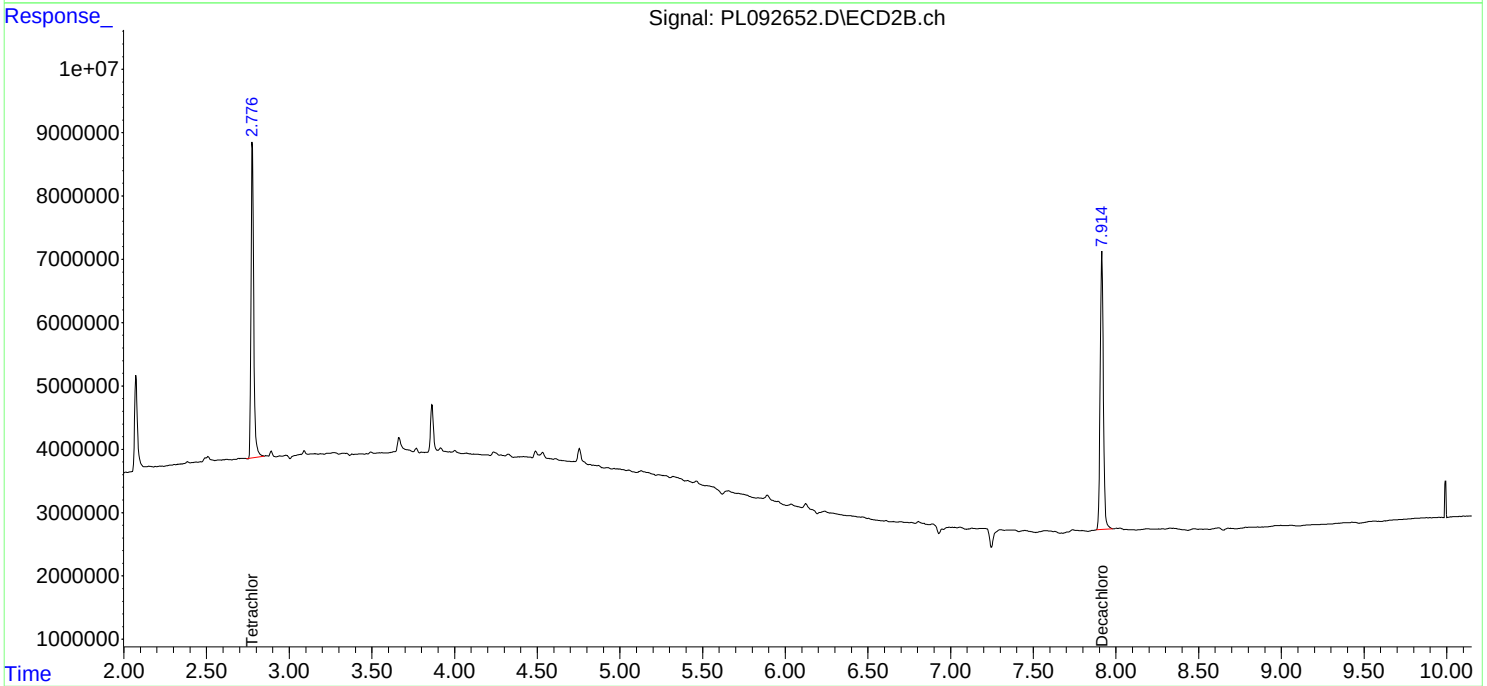
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

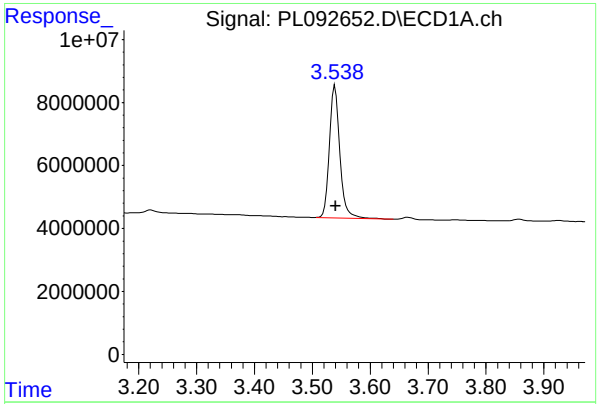
**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:20:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



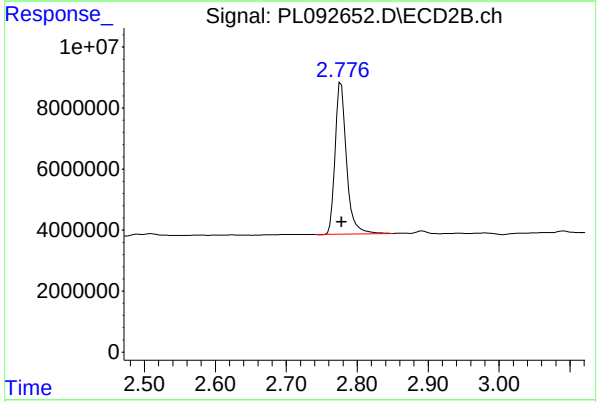






#1 Tetrachloro-m-xylene

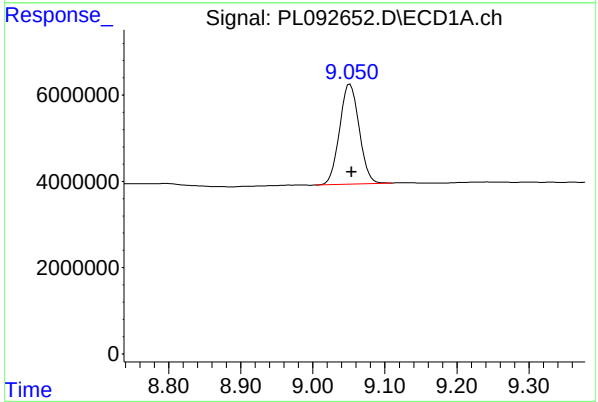
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 52846066
Conc: 21.57 ng/ml

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK



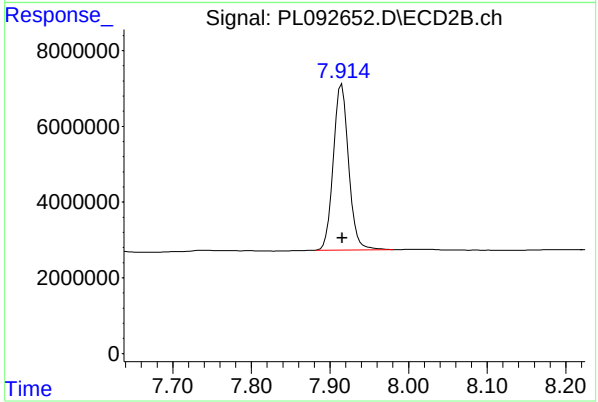

#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 55504223
Conc: 20.40 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 43705517
Conc: 22.71 ng/ml




#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 59287776
Conc: 21.72 ng/ml

Raw Data: **PL092941.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 11/11/24 |
| Project: | PPE Contamination | Date Received: | 11/11/24 |
| Client Sample ID: | PIBLK-PL092941.D | SDG No.: | P4732 |
| Lab Sample ID: | I.BLK-PL092941.D | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092941.D | 1 | | 11/11/24 | PL111124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0054 | U | 0.0054 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0090 | U | 0.0090 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0043 | U | 0.0043 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 57-74-9 | Chlordane | 0.082 | U | 0.082 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 20.8 | | 43 - 140 | 104% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 22.3 | | 77 - 126 | 112% | SPK: 20 |

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: **PL092941.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:43:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.543 | 2.779 | 54678322 | 58859641 | 22.316 | 21.630 |
| 28) | SA Decachlor... | 9.063 | 7.918 | 39943305 | 53994439 | 20.755 | 19.784 |
| | Target Compounds | | | | | | |

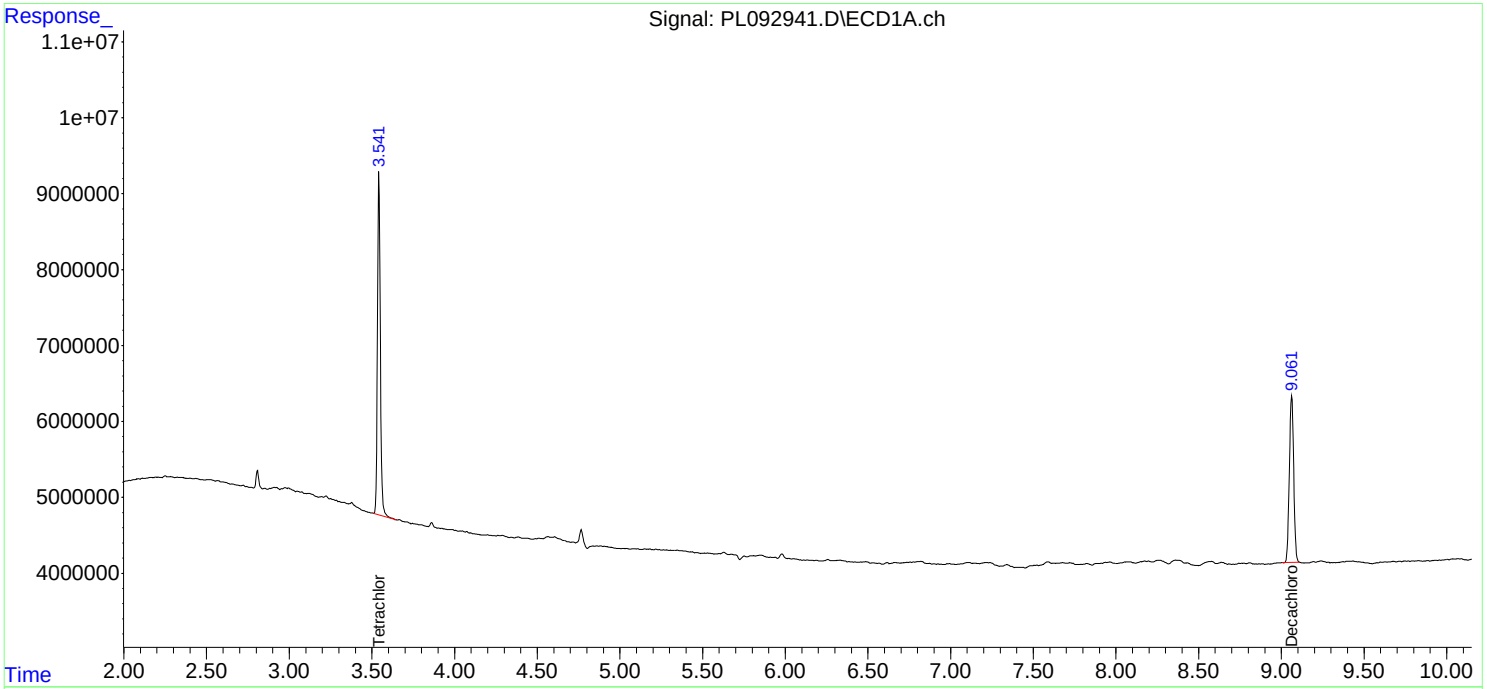
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

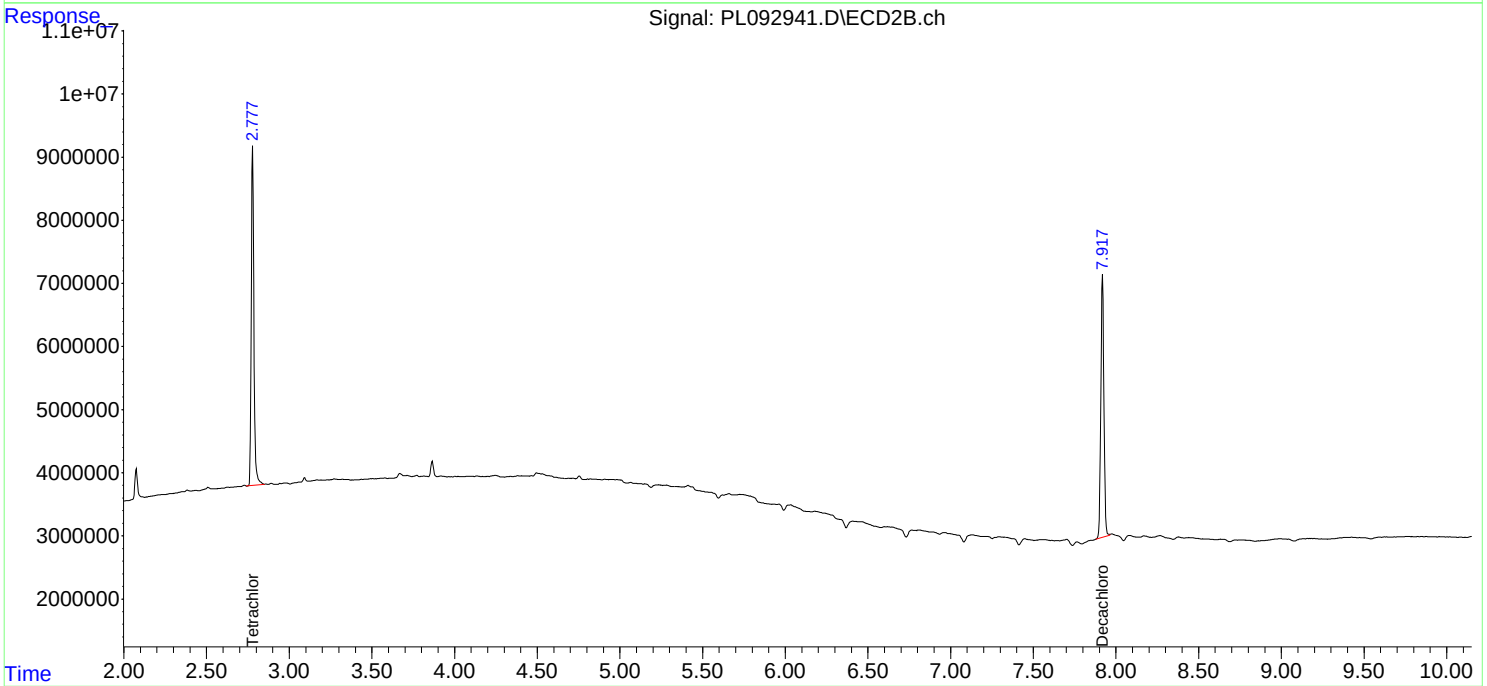
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

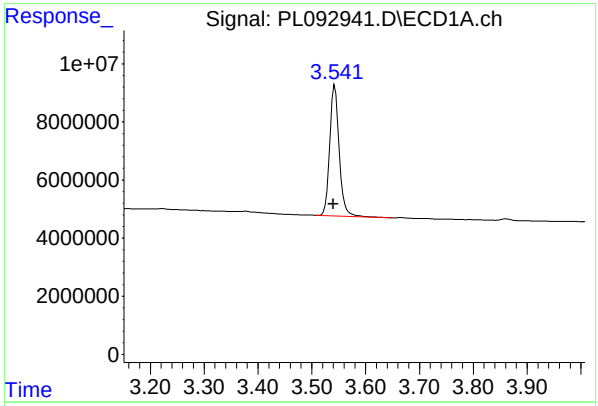
**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:43:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



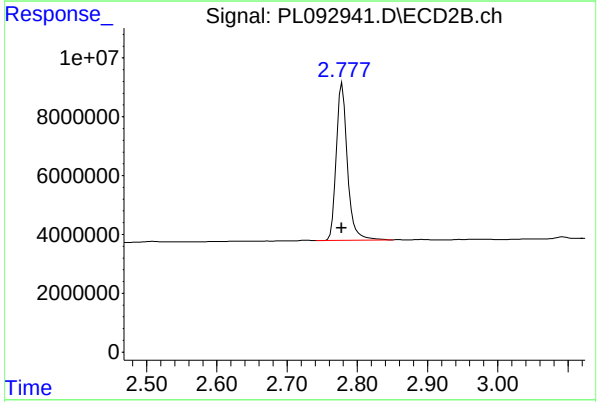






#1 Tetrachloro-m-xylene

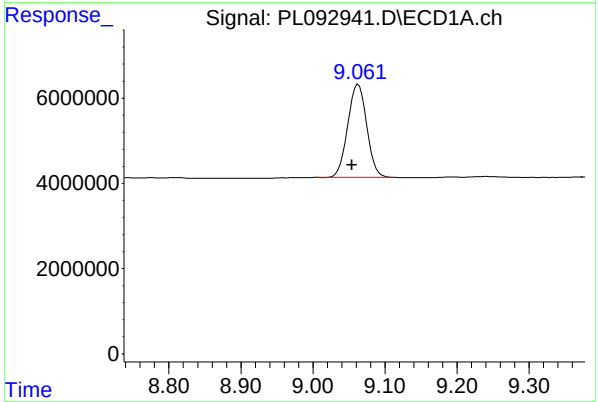
R.T.: 3.543 min
Delta R.T.: 0.003 mi
Response: 54678322
Conc: 22.32 ng/m

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK



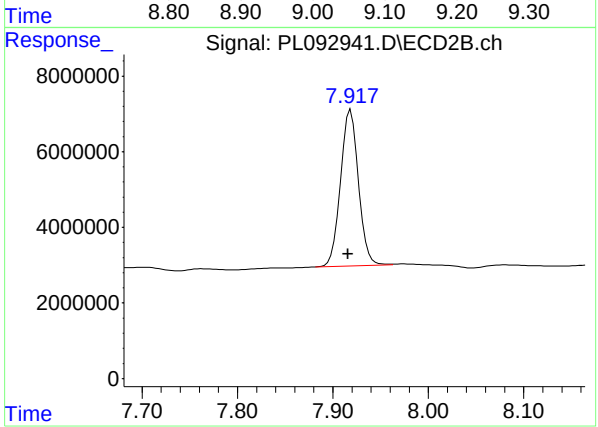

#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 58859641
Conc: 21.63 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.009 min
Response: 39943305
Conc: 20.75 ng/ml




#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.003 min
Response: 53994439
Conc: 19.78 ng/ml

Raw Data: **PL092959.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 11/11/24 |
| Project: | PPE Contamination | Date Received: | 11/11/24 |
| Client Sample ID: | PIBLK-PL092959.D | SDG No.: | P4732 |
| Lab Sample ID: | I.BLK-PL092959.D | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092959.D | 1 | | 11/11/24 | PL111124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0054 | U | 0.0054 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0090 | U | 0.0090 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0043 | U | 0.0043 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 57-74-9 | Chlordane | 0.082 | U | 0.082 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 22.2 | | 43 - 140 | 111% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 22.1 | | 77 - 126 | 110% | SPK: 20 |

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: **PL092959.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.549 | 2.778 | 54077736 | 58480256 | 22.070 | 21.491 |
| 28) | SA Decachlor... | 9.070 | 7.923 | 42411060 | 60502925 | 22.037m | 22.168 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

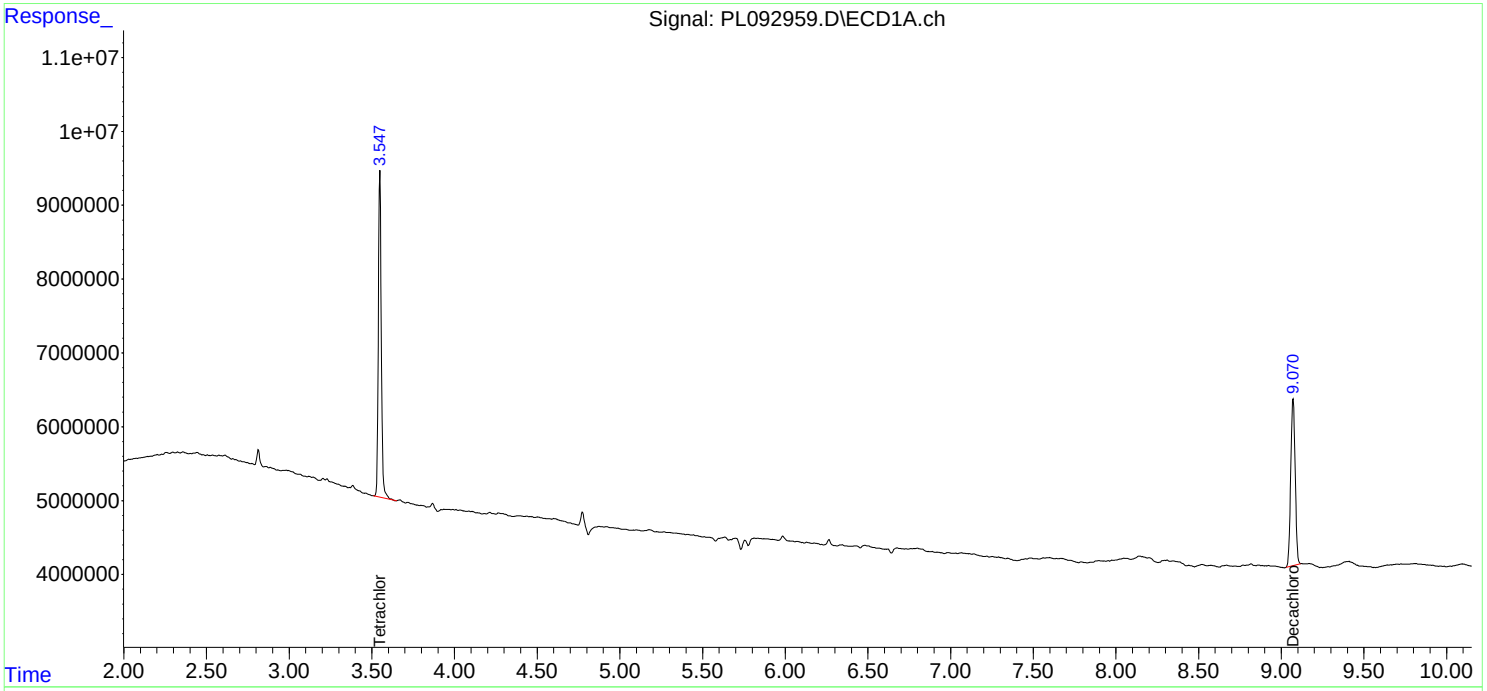
**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

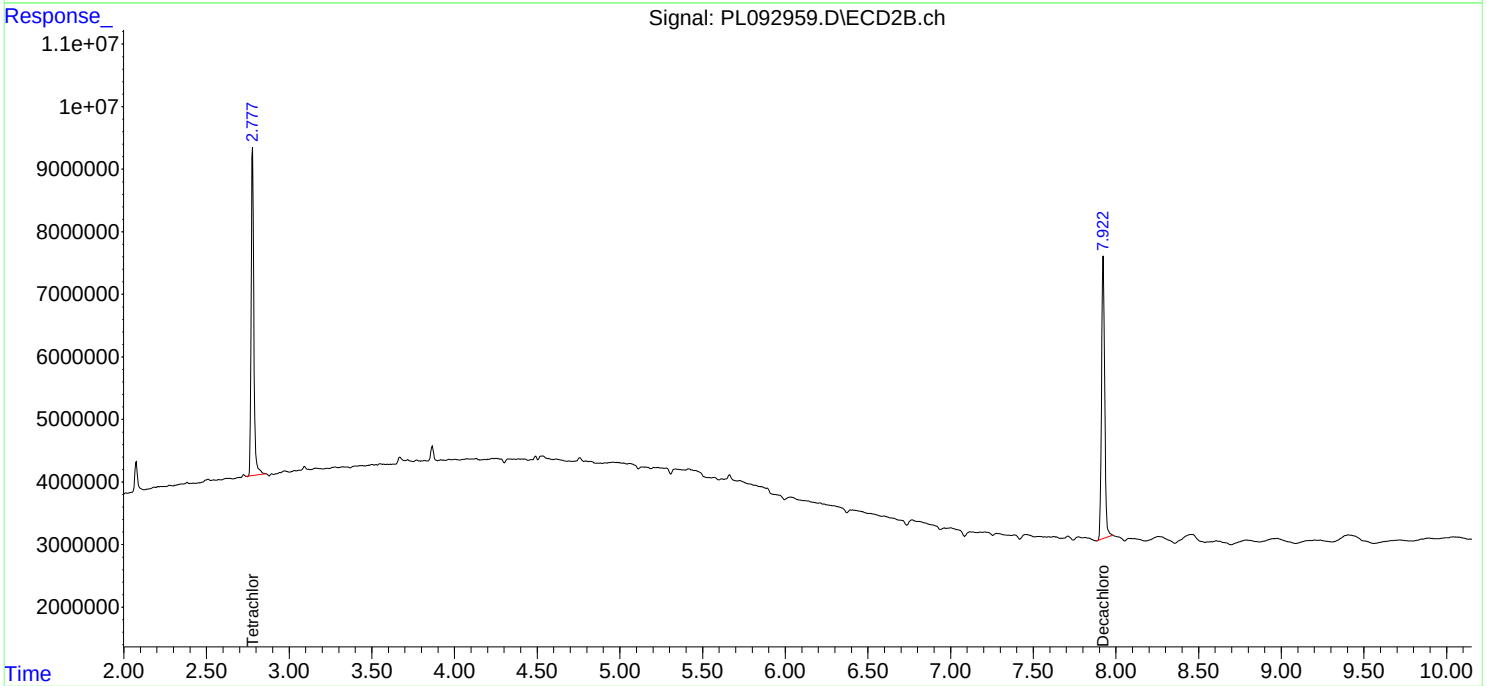
**Manual Integrations APPROVED**

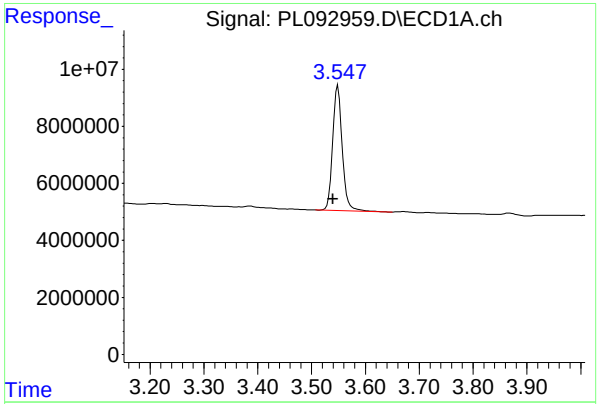
Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





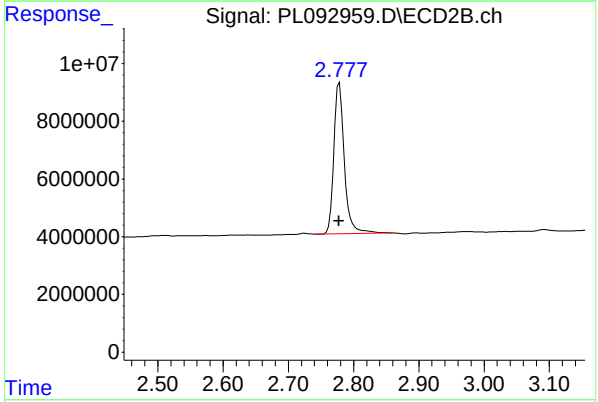

#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.009 mi
Response: 54077736
Conc: 22.07 ng/m

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

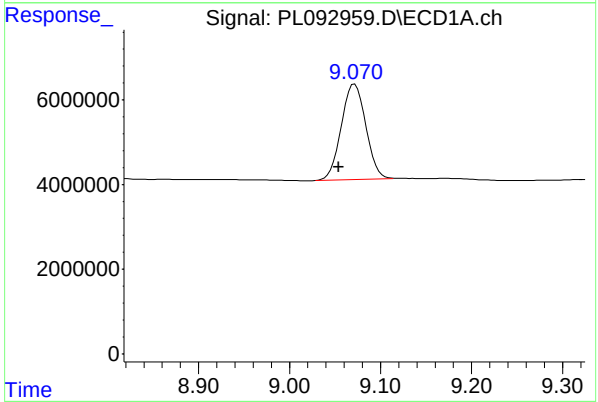
**Manual Integrations**
**APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



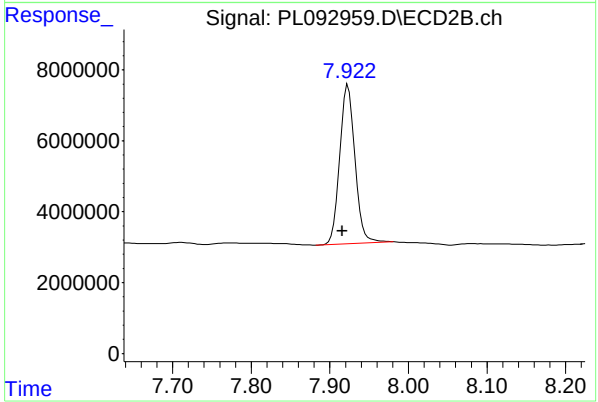

#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 58480256
Conc: 21.49 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.016 min
Response: 42411060
Conc: 22.04 ng/ml m




#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.008 min
Response: 60502925
Conc: 22.17 ng/ml

Raw Data: **PL092971.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 11/11/24 |
| Project: | PPE Contamination | Date Received: | 11/11/24 |
| Client Sample ID: | PIBLK-PL092971.D | SDG No.: | P4732 |
| Lab Sample ID: | I.BLK-PL092971.D | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092971.D | 1 | | 11/11/24 | PL111124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0054 | U | 0.0054 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0090 | U | 0.0090 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0043 | U | 0.0043 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 57-74-9 | Chlordane | 0.082 | U | 0.082 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.6 | | 43 - 140 | 108% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 22.7 | | 77 - 126 | 114% | SPK: 20 |

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: **PL092971.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 19:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:25:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.778 | 55717240 | 58763923 | 22.740 | 21.595 |
| 28) | SA Decachlor... | 9.062 | 7.919 | 41647412 | 56172185 | 21.640 | 20.582 |
| | Target Compounds | | | | | | |

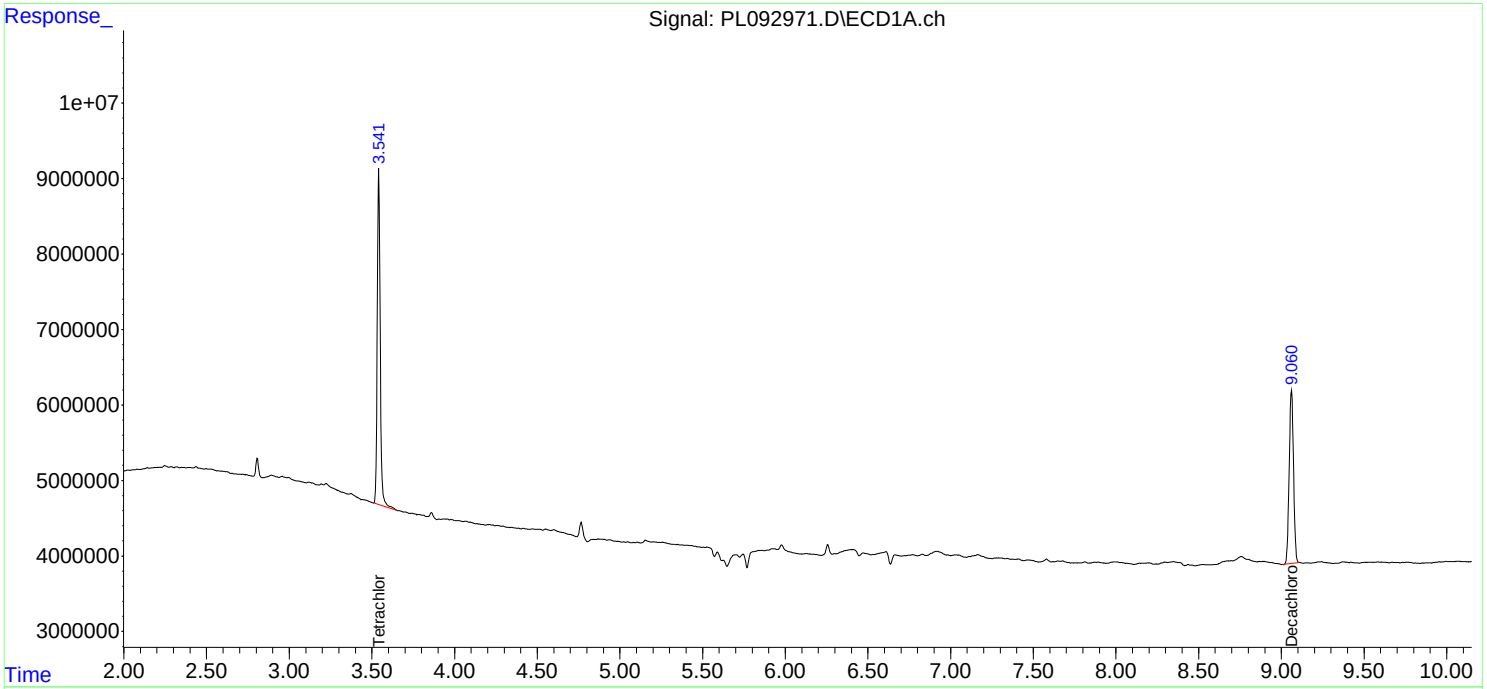
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

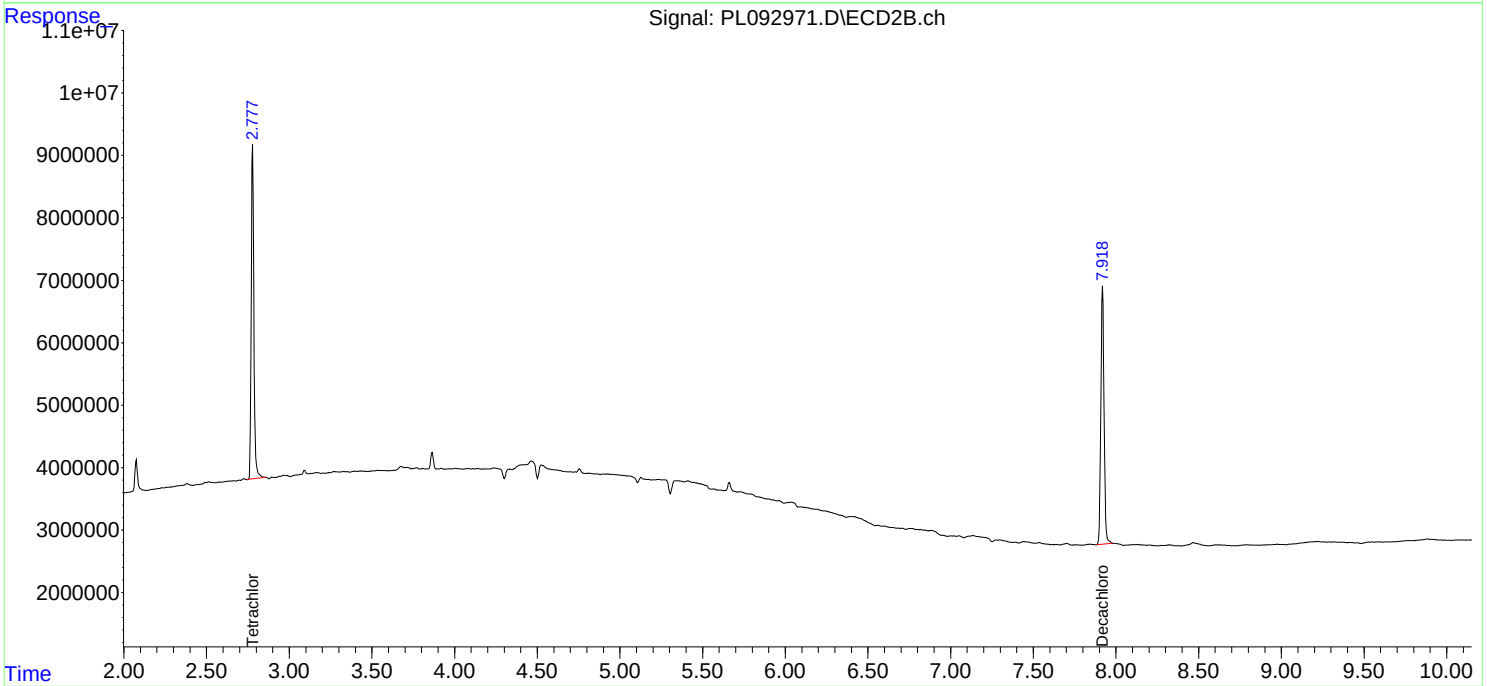
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 19:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

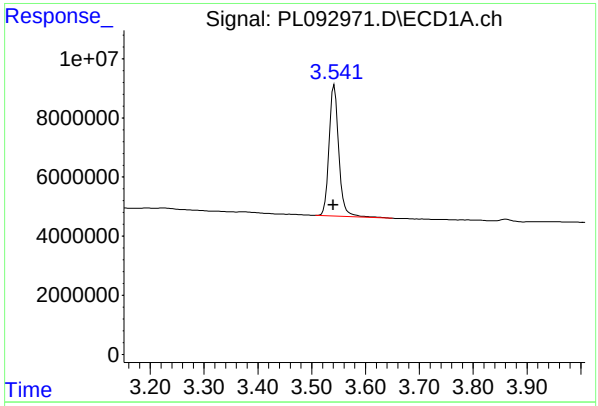
**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:25:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



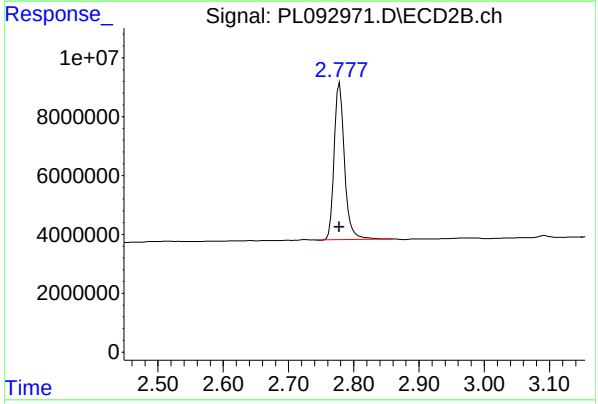






#1 Tetrachloro-m-xylene

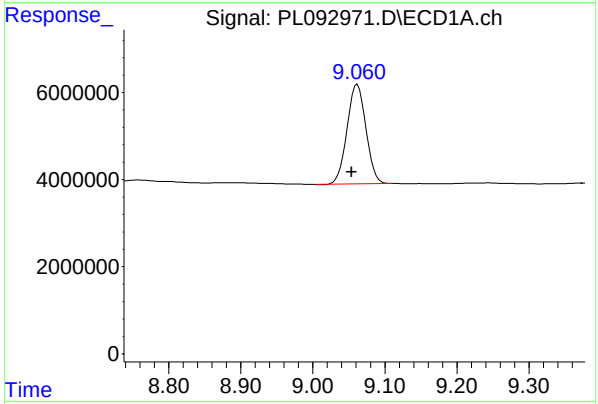
R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 55717240
Conc: 22.74 ng/m

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK



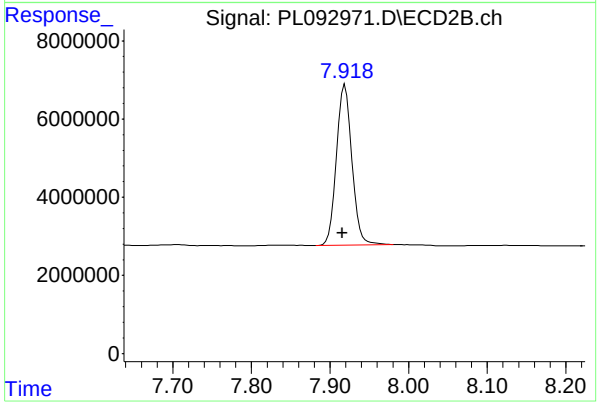

#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 58763923
Conc: 21.60 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.008 min
Response: 41647412
Conc: 21.64 ng/ml




#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.003 min
Response: 56172185
Conc: 20.58 ng/ml

Raw Data: **PL092992.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 11/12/24 |
| Project: | PPE Contamination | Date Received: | 11/12/24 |
| Client Sample ID: | PIBLK-PL092992.D | SDG No.: | P4732 |
| Lab Sample ID: | I.BLK-PL092992.D | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092992.D | 1 | | 11/12/24 | PL111124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.0049 | U | 0.0049 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.0054 | U | 0.0054 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.0090 | U | 0.0090 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.0043 | U | 0.0043 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.011 | U | 0.011 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 57-74-9 | Chlordane | 0.082 | U | 0.082 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 22.2 | | 43 - 140 | 111% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 22.8 | | 77 - 126 | 114% | SPK: 20 |

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: **PL092992.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 11:52:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.778 | 55772295 | 60460309 | 22.762 | 22.219 |
| 28) | SA Decachlor... | 9.062 | 7.919 | 42781954 | 59401659 | 22.230 | 21.765 |
| | Target Compounds | | | | | | |

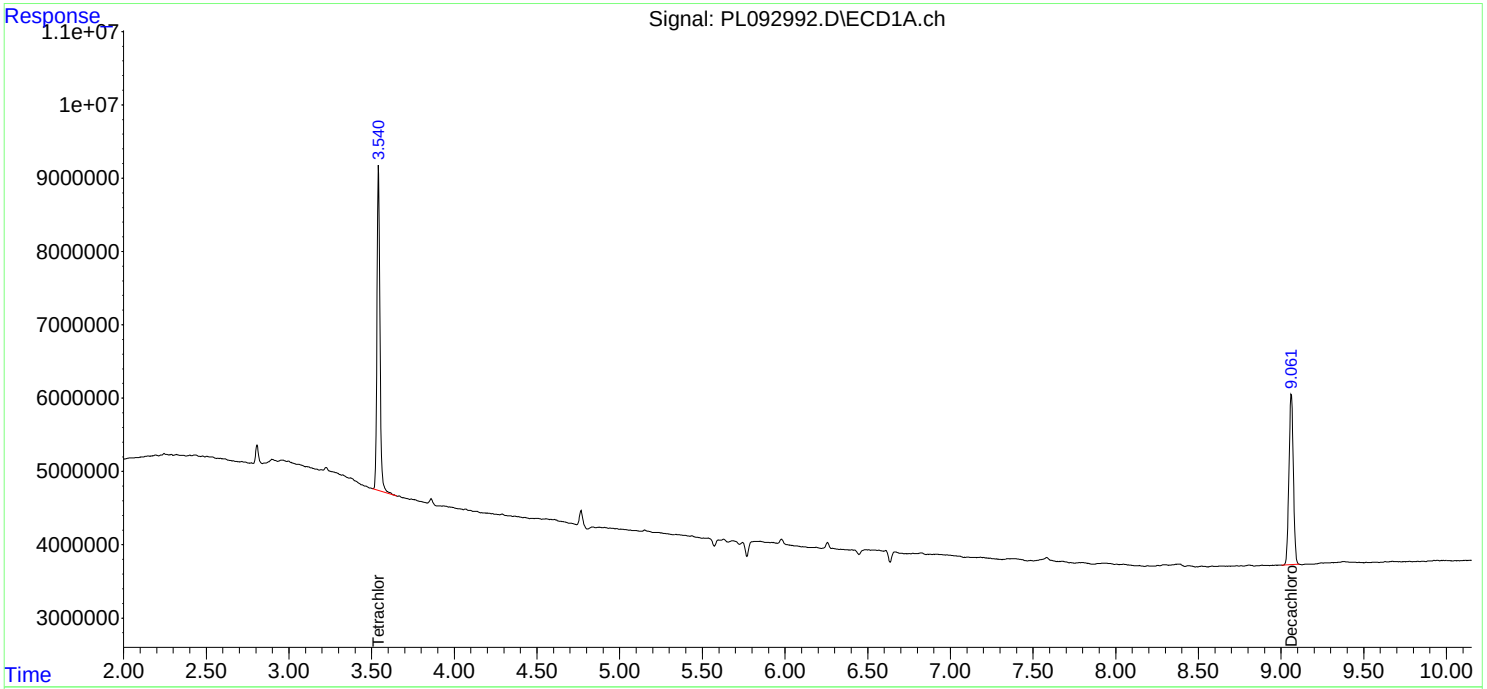
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

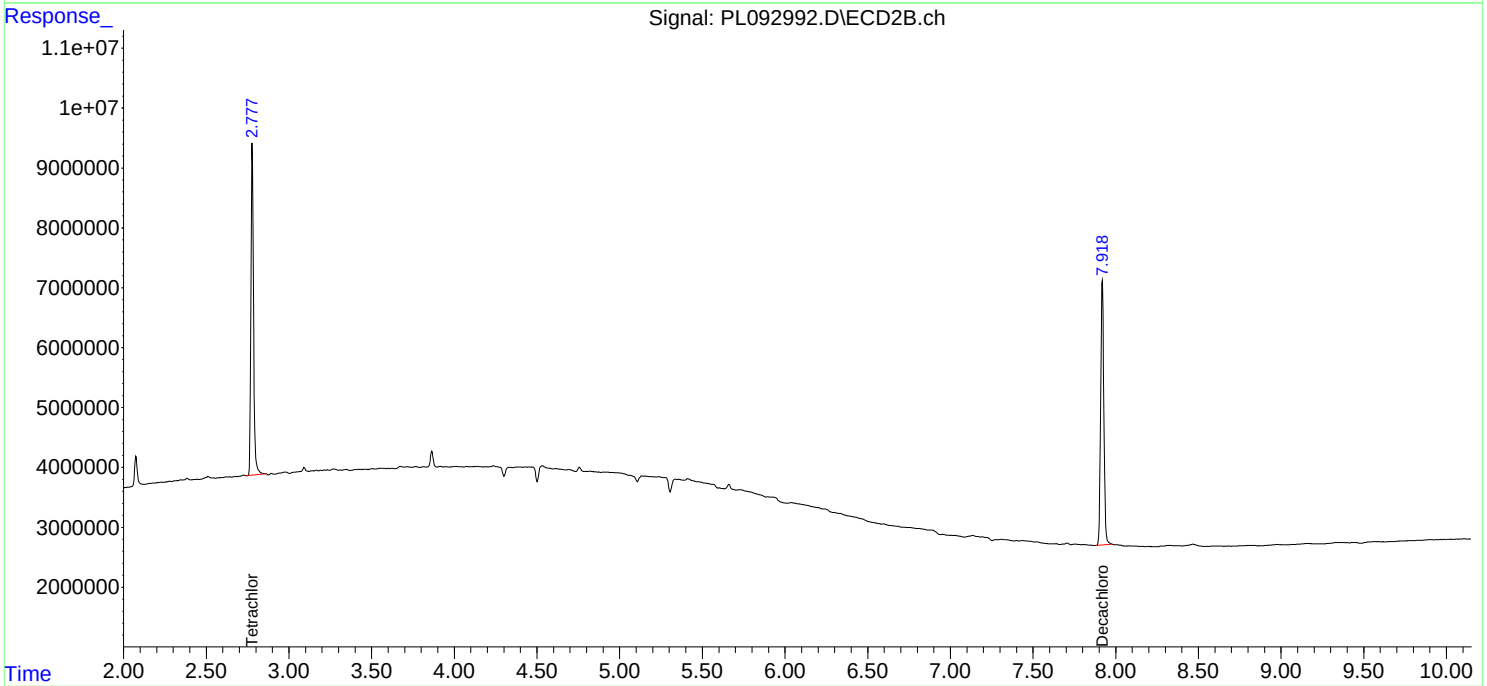
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

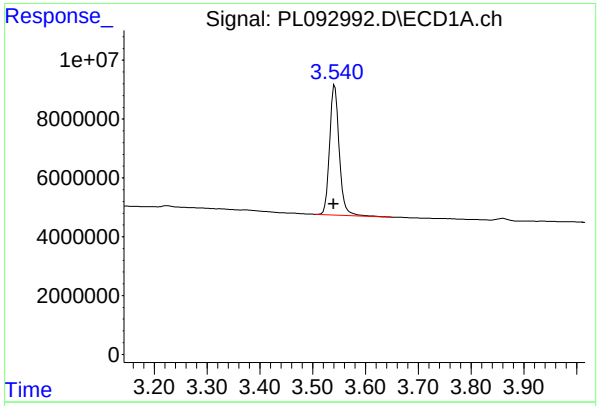
**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 11:52:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



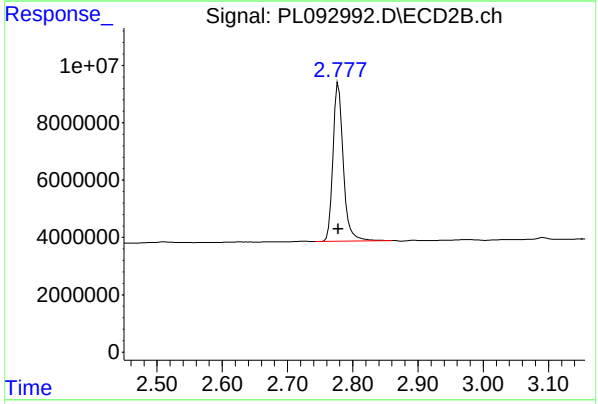






#1 Tetrachloro-m-xylene

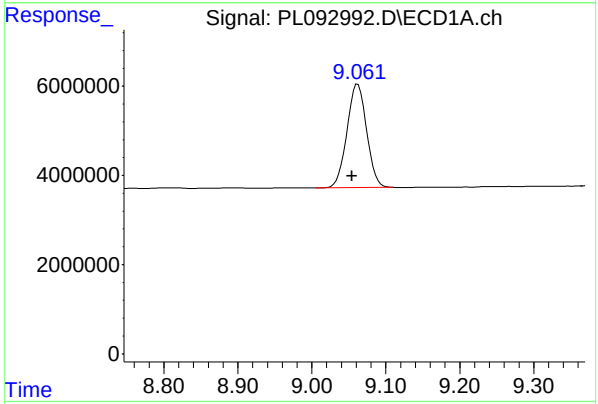
R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 55772295
Conc: 22.76 ng/m

**Instrument :**
ECD_L
**ClientSampleId :**
I.BLK



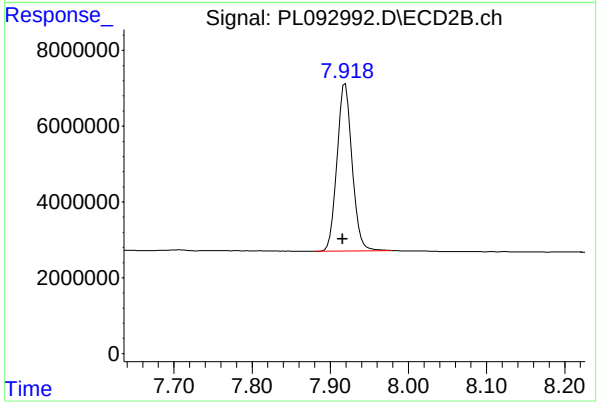

#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 60460309
Conc: 22.22 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.008 min
Response: 42781954
Conc: 22.23 ng/ml




#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.004 min
Response: 59401659
Conc: 21.76 ng/ml

Raw Data: **PL092945.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | |
| Project: | PPE Contamination | Date Received: | |
| Client Sample ID: | PB164849BS | SDG No.: | P4732 |
| Lab Sample ID: | PB164849BS | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092945.D | 1 | 11/10/24 08:44 | 11/11/24 12:26 | PB164849 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.51 | | 0.0049 | 0.050 | ug/L |
| 76-44-8 | Heptachlor | 0.53 | | 0.0054 | 0.050 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.53 | | 0.0090 | 0.050 | ug/L |
| 72-20-8 | Endrin | 0.53 | | 0.0043 | 0.050 | ug/L |
| 72-43-5 | Methoxychlor | 0.50 | | 0.011 | 0.050 | ug/L |
| 8001-35-2 | Toxaphene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 57-74-9 | Chlordane | 0.082 | U | 0.082 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 19.3 | | 43 - 140 | 96% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 19.1 | | 77 - 126 | 95% | SPK: 20 |

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: **PL092945.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:26
Operator : AR\AJ
Sample : PB164849BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PB164849BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:47:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.542 | 2.779 | 46784682 | 48717111 | 19.094 | 17.903 |
| 28) | SA Decachlor... | 9.061 | 7.919 | 37131410 | 51516098 | 19.294 | 18.876 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.998 | 3.282 | 165.0E6 | 204.8E6 | 48.649 | 51.335 |
| 3) | MA gamma-BHC... | 4.331 | 3.612 | 156.1E6 | 196.3E6 | 47.903 | 50.865 |
| 4) | MA Heptachlor | 4.920 | 3.951 | 147.1E6 | 199.4E6 | 48.999 | 52.837 |
| 5) | MB Aldrin | 5.262 | 4.230 | 141.7E6 | 189.4E6 | 47.217 | 51.742 |
| 6) | B beta-BHC | 4.529 | 3.911 | 71993709 | 86977955 | 49.807 | 52.834 |
| 7) | B delta-BHC | 4.776 | 4.140 | 137.6E6 | 174.6E6 | 43.977 | 45.430 |
| 8) | B Heptachlo... | 5.688 | 4.733 | 132.4E6 | 178.1E6 | 47.958 | 53.312 |
| 9) | A Endosulfan I | 6.074 | 5.103 | 122.4E6 | 165.1E6 | 48.913 | 54.084 |
| 10) | B gamma-Chl... | 5.944 | 4.984 | 132.5E6 | 185.1E6 | 49.818 | 55.076 |
| 11) | B alpha-Chl... | 6.023 | 5.047 | 131.0E6 | 182.2E6 | 49.478 | 54.768 |
| 12) | B 4,4'-DDE | 6.196 | 5.236 | 118.2E6 | 178.1E6 | 49.871 | 55.276 |
| 13) | MA Dieldrin | 6.349 | 5.367 | 128.8E6 | 182.7E6 | 48.854 | 54.689 |
| 14) | MA Endrin | 6.579 | 5.643 | 100.0E6 | 153.2E6 | 43.930 | 52.939 |
| 15) | B Endosulfa... | 6.799 | 5.938 | 113.1E6 | 161.0E6 | 47.456 | 56.819 |
| 16) | A 4,4'-DDD | 6.714 | 5.792 | 98938720 | 145.2E6 | 51.543 | 58.302 |
| 17) | MA 4,4'-DDT | 7.028 | 6.042 | 100.6E6 | 142.9E6 | 48.627 | 53.294 |
| 18) | B Endrin al... | 6.929 | 6.118 | 90445453 | 123.6E6 | 48.161 | 53.587 |
| 19) | B Endosulfa... | 7.163 | 6.340 | 103.4E6 | 146.1E6 | 47.626 | 54.184 |
| 20) | A Methoxychlor | 7.505 | 6.617 | 52385600 | 71485421 | 45.952 | 50.059 |
| 21) | B Endrin ke... | 7.648 | 6.846 | 118.2E6 | 169.5E6 | 48.767 | 55.234 |
| 22) | Mirex | 8.122 | 7.027 | 81987498 | 117.7E6 | 41.372 | 45.094 |

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

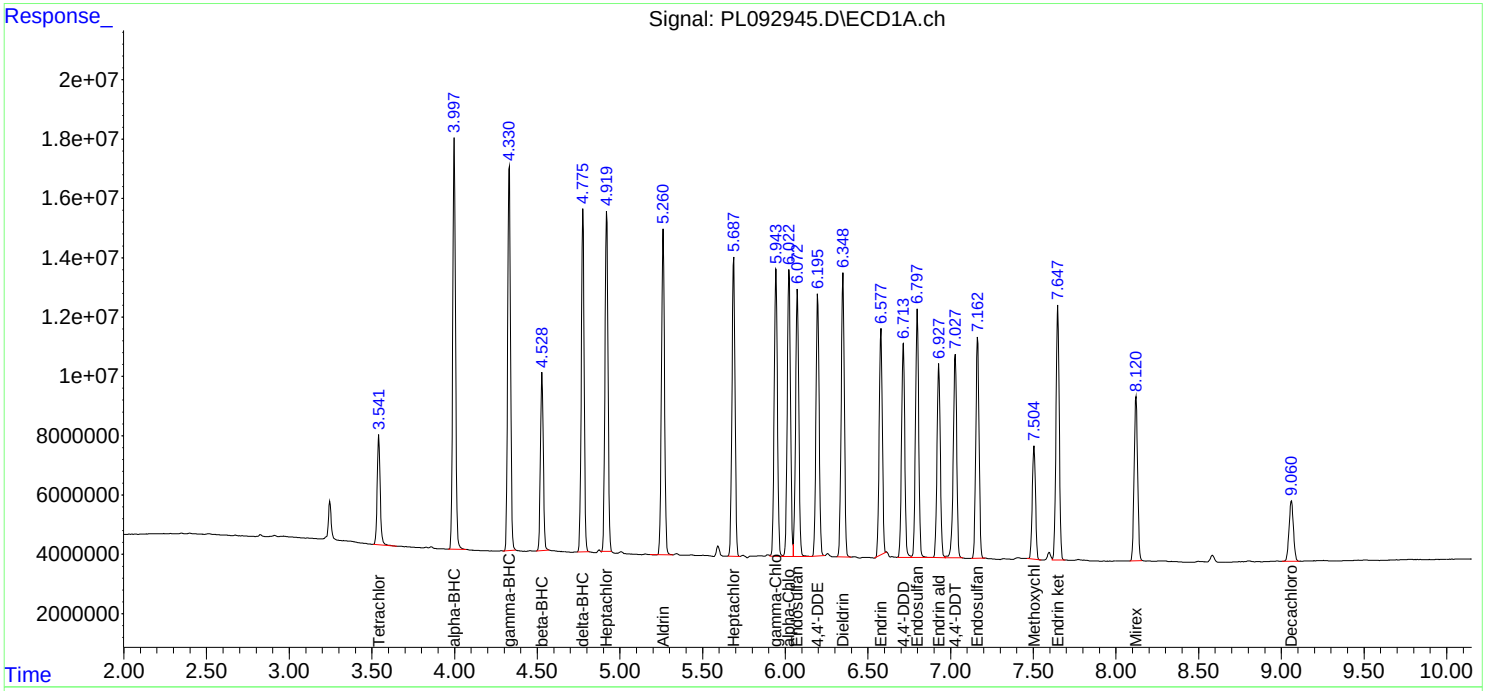
Sample Results: **PL092945.D**

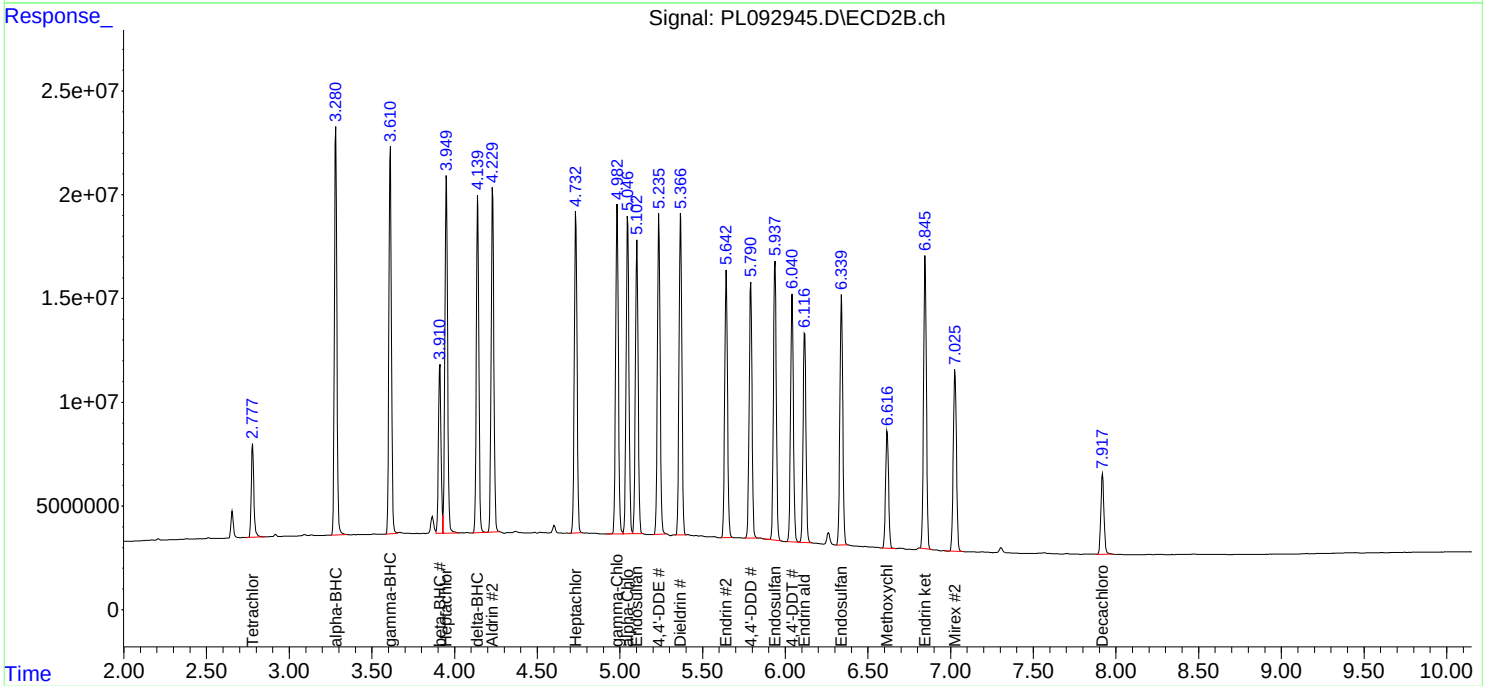
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:26
Operator : AR\AJ
Sample : PB164849BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
PB164849BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:47:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PL092984.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 11/04/24 |
| Project: | PPE Contamination | Date Received: | 11/05/24 |
| Client Sample ID: | WB-307-SB02MS | SDG No.: | P4732 |
| Lab Sample ID: | P4718-03MS | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092984.D | 1 | 11/10/24 08:44 | 11/11/24 23:01 | PB164849 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 4.90 | | 0.049 | 0.50 | ug/L |
| 76-44-8 | Heptachlor | 5.40 | | 0.054 | 0.50 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 5.30 | | 0.090 | 0.50 | ug/L |
| 72-20-8 | Endrin | 5.20 | | 0.043 | 0.50 | ug/L |
| 72-43-5 | Methoxychlor | 4.80 | | 0.11 | 0.50 | ug/L |
| 8001-35-2 | Toxaphene | 1.50 | U | 1.50 | 10.0 | ug/L |
| 57-74-9 | Chlordane | 0.82 | U | 0.82 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 14.1 | | 43 - 140 | 71% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 24.6 | | 77 - 126 | 123% | SPK: 20 |

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: **PL092984.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 23:01
Operator : AR\AJ
Sample : P4718-03MS
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
WB-307-SB02MS

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:38:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml | |
|---|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | | |
| 1) | SA Tetrachlo... | 3.541 | 2.778 | 60341989 | 52420795 | 24.627 | 19.264 | |
| 28) | SA Decachlor... | 9.061 | 7.919 | 27181880 | 35823783 | 14.124 | 13.126 | |
| | Target Compounds | | | | | | | |
| 2) | A alpha-BHC | 3.999 | 3.281 | 150.4E6 | 190.1E6 | 44.355 | 47.641 | |
| 3) | MA gamma-BHC... | 4.330 | 3.611 | 149.7E6 | 189.0E6 | 45.919m | 48.961 | |
| 4) | MA Heptachlor | 4.920 | 3.950 | 150.3E6 | 204.2E6 | 50.050 | 54.106 | |
| 5) | MB Aldrin | 5.262 | 4.230 | 142.8E6 | 190.9E6 | 47.588 | 52.153 | |
| 6) | B beta-BHC | 4.529 | 3.911 | 73583080 | 90555823 | 50.906 | 55.007 | |
| 7) | B delta-BHC | 4.774 | 4.140 | 57772922 | 42056610 | 18.459 | 10.943 | # |
| 8) | B Heptachlo... | 5.688 | 4.733 | 131.2E6 | 175.4E6 | 47.494 | 52.506 | |
| 9) | A Endosulfan I | 6.074 | 5.103 | 119.5E6 | 165.6E6 | 47.773 | 54.247 | |
| 10) | B gamma-Chl... | 5.944 | 4.983 | 130.4E6 | 185.4E6 | 49.024 | 55.148 | |
| 11) | B alpha-Chl... | 6.024 | 5.047 | 128.9E6 | 181.1E6 | 48.681 | 54.452 | |
| 12) | B 4,4'-DDE | 6.197 | 5.236 | 120.0E6 | 182.4E6 | 50.665 | 56.607 | |
| 13) | MA Dieldrin | 6.349 | 5.368 | 126.0E6 | 179.2E6 | 47.821 | 53.633 | |
| 14) | MA Endrin | 6.579 | 5.643 | 99816511 | 150.2E6 | 43.843 | 51.929 | |
| 15) | B Endosulfa... | 6.798 | 5.938 | 109.0E6 | 154.5E6 | 45.718 | 54.527 | |
| 16) | A 4,4'-DDD | 6.714 | 5.791 | 96626123 | 141.0E6 | 50.339 | 56.643 | |
| 17) | MA 4,4'-DDT | 7.028 | 6.042 | 96757553 | 132.7E6 | 46.748 | 49.463 | |
| 18) | B Endrin al... | 6.929 | 6.117 | 81159209 | 109.2E6 | 43.216 | 47.349 | |
| 19) | B Endosulfa... | 7.163 | 6.340 | 81644500 | 110.9E6 | 37.618 | 41.110 | |
| 20) | A Methoxychlor | 7.505 | 6.617 | 51002961 | 68150722 | 44.739 | 47.724 | |
| 21) | B Endrin ke... | 7.648 | 6.846 | 111.0E6 | 158.1E6 | 45.825 | 51.506 | |
| 22) | Mirex | 8.122 | 7.027 | 83867601 | 116.5E6 | 42.321 | 44.637 | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 23:01
Operator : AR\AJ
Sample : P4718-03MS
Misc :
ALS Vial : 40 Sample Multiplier: 1

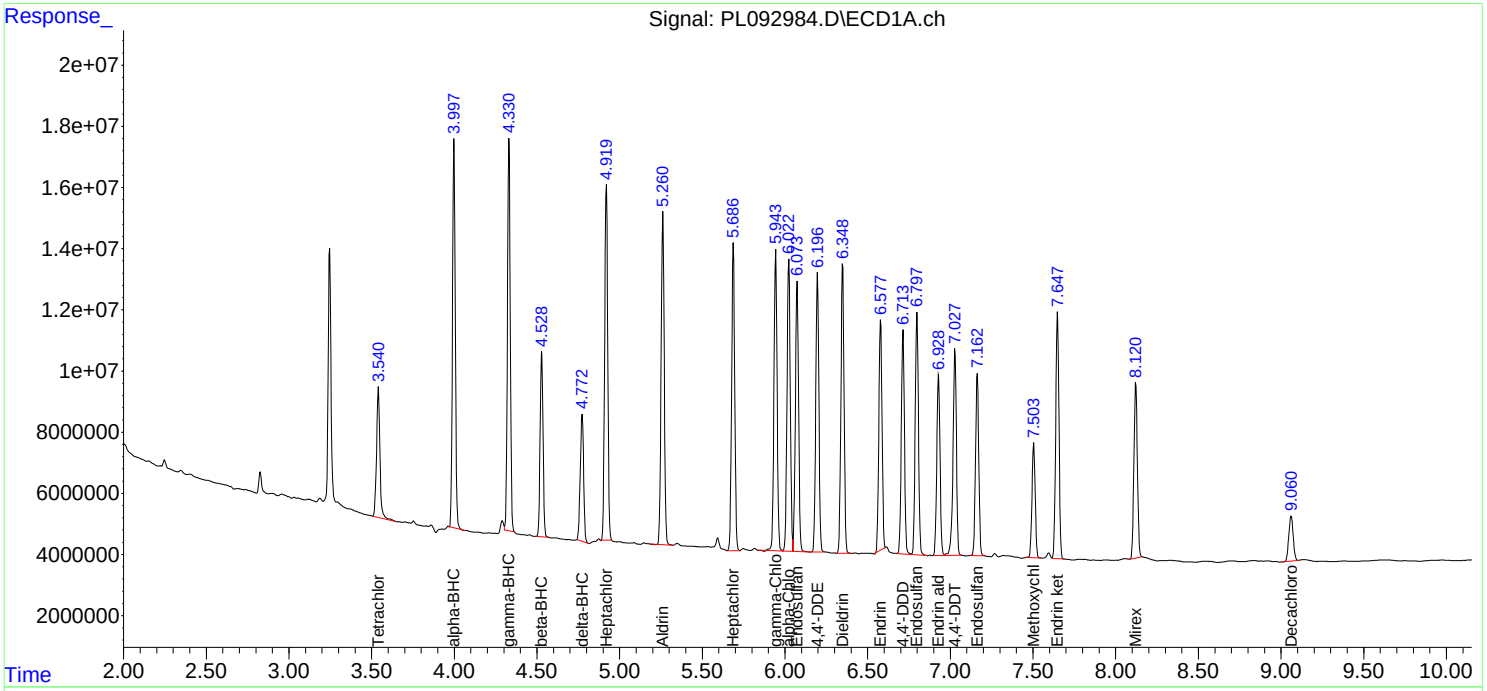
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:38:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

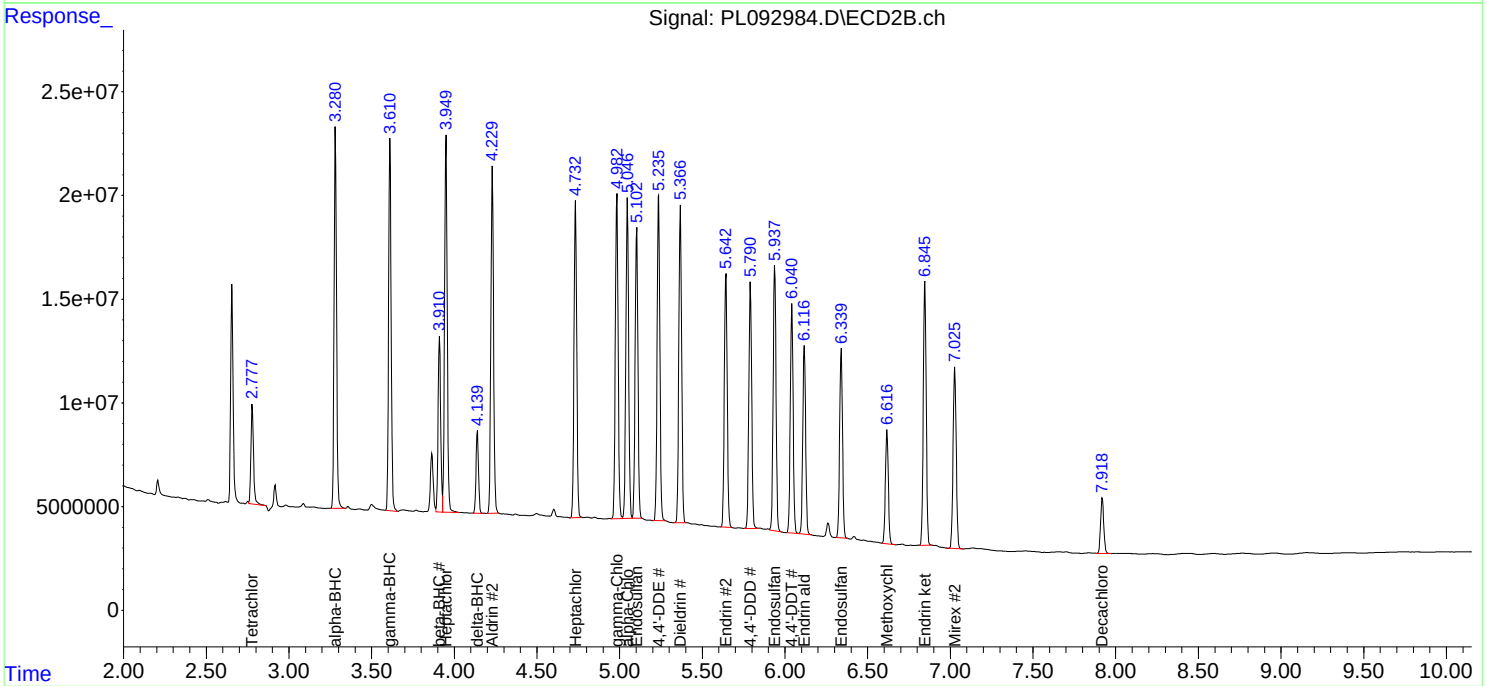
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

**Instrument :**
ECD_L
**ClientSampleId :**
WB-307-SB02MS

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



Raw Data: **PL092985.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Furino and Sons, Inc. | Date Collected: | 11/04/24 |
| Project: | PPE Contamination | Date Received: | 11/05/24 |
| Client Sample ID: | WB-307-SB02MSD | SDG No.: | P4732 |
| Lab Sample ID: | P4718-03MSD | Matrix: | TCLP |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP Pesticide |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL092985.D | 1 | 11/10/24 08:44 | 11/11/24 23:14 | PB164849 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 4.90 | | 0.049 | 0.50 | ug/L |
| 76-44-8 | Heptachlor | 5.50 | | 0.054 | 0.50 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 5.30 | | 0.090 | 0.50 | ug/L |
| 72-20-8 | Endrin | 5.40 | | 0.043 | 0.50 | ug/L |
| 72-43-5 | Methoxychlor | 4.80 | | 0.11 | 0.50 | ug/L |
| 8001-35-2 | Toxaphene | 1.50 | U | 1.50 | 10.0 | ug/L |
| 57-74-9 | Chlordane | 0.82 | U | 0.82 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 14.4 | | 43 - 140 | 72% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 24.6 | | 77 - 126 | 123% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 23:14
Operator : AR\AJ
Sample : P4718-03MSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
ECD_L
**ClientSampleId :**
WB-307-SB02MSD

**Manual Integrations APPROVED**

Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:39:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml | |
|---|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | | |
| 1) | SA | Tetrachlo... | 3.542 | 2.779 | 60361310 | 52621776 | 24.635 | 19.338 | |
| 28) | SA | Decachlor... | 9.062 | 7.919 | 27740748 | 36101437 | 14.414 | 13.228 | |
| | | Target Compounds | | | | | | | |
| 2) | A | alpha-BHC | 3.998 | 3.281 | 152.0E6 | 191.5E6 | 44.832 | 47.993 | |
| 3) | MA | gamma-BHC... | 4.330 | 3.611 | 148.6E6 | 190.7E6 | 45.578m | 49.407 | |
| 4) | MA | Heptachlor | 4.920 | 3.950 | 150.3E6 | 206.7E6 | 50.042 | 54.763 | |
| 5) | MB | Aldrin | 5.262 | 4.230 | 143.1E6 | 193.8E6 | 47.665 | 52.941 | |
| 6) | B | beta-BHC | 4.529 | 3.911 | 73467707 | 91675632 | 50.826 | 55.688 | |
| 7) | B | delta-BHC | 4.774 | 4.140 | 61680107 | 42879201 | 19.707 | 11.157 | # |
| 8) | B | Heptachlo... | 5.688 | 4.733 | 131.9E6 | 178.3E6 | 47.781 | 53.355 | |
| 9) | A | Endosulfan I | 6.074 | 5.104 | 122.0E6 | 166.9E6 | 48.775 | 54.674 | |
| 10) | B | gamma-Chl... | 5.944 | 4.983 | 135.2E6 | 188.1E6 | 50.821 | 55.958 | |
| 11) | B | alpha-Chl... | 6.023 | 5.047 | 132.0E6 | 183.8E6 | 49.859 | 55.263 | |
| 12) | B | 4,4'-DDE | 6.197 | 5.236 | 120.2E6 | 184.1E6 | 50.728 | 57.158 | |
| 13) | MA | Dieldrin | 6.349 | 5.368 | 128.3E6 | 183.6E6 | 48.681 | 54.956 | |
| 14) | MA | Endrin | 6.578 | 5.643 | 101.6E6 | 155.0E6 | 44.637 | 53.570 | |
| 15) | B | Endosulfa... | 6.798 | 5.938 | 111.4E6 | 154.8E6 | 46.742 | 54.651 | |
| 16) | A | 4,4'-DDD | 6.714 | 5.791 | 97012418 | 142.4E6 | 50.540 | 57.185 | |
| 17) | MA | 4,4'-DDT | 7.028 | 6.042 | 98554036 | 133.9E6 | 47.616 | 49.905 | |
| 18) | B | Endrin al... | 6.928 | 6.117 | 83635456 | 112.5E6 | 44.535 | 48.769 | |
| 19) | B | Endosulfa... | 7.163 | 6.340 | 82079944 | 114.5E6 | 37.819 | 42.451 | |
| 20) | A | Methoxychlor | 7.504 | 6.617 | 51423006 | 68678723 | 45.108 | 48.093 | |
| 21) | B | Endrin ke... | 7.648 | 6.846 | 112.7E6 | 163.3E6 | 46.532 | 53.223 | |
| 22) | | Mirex | 8.122 | 7.027 | 85264905 | 120.5E6 | 43.026 | 46.204 | |

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

Sample Results: **PL092985.D**

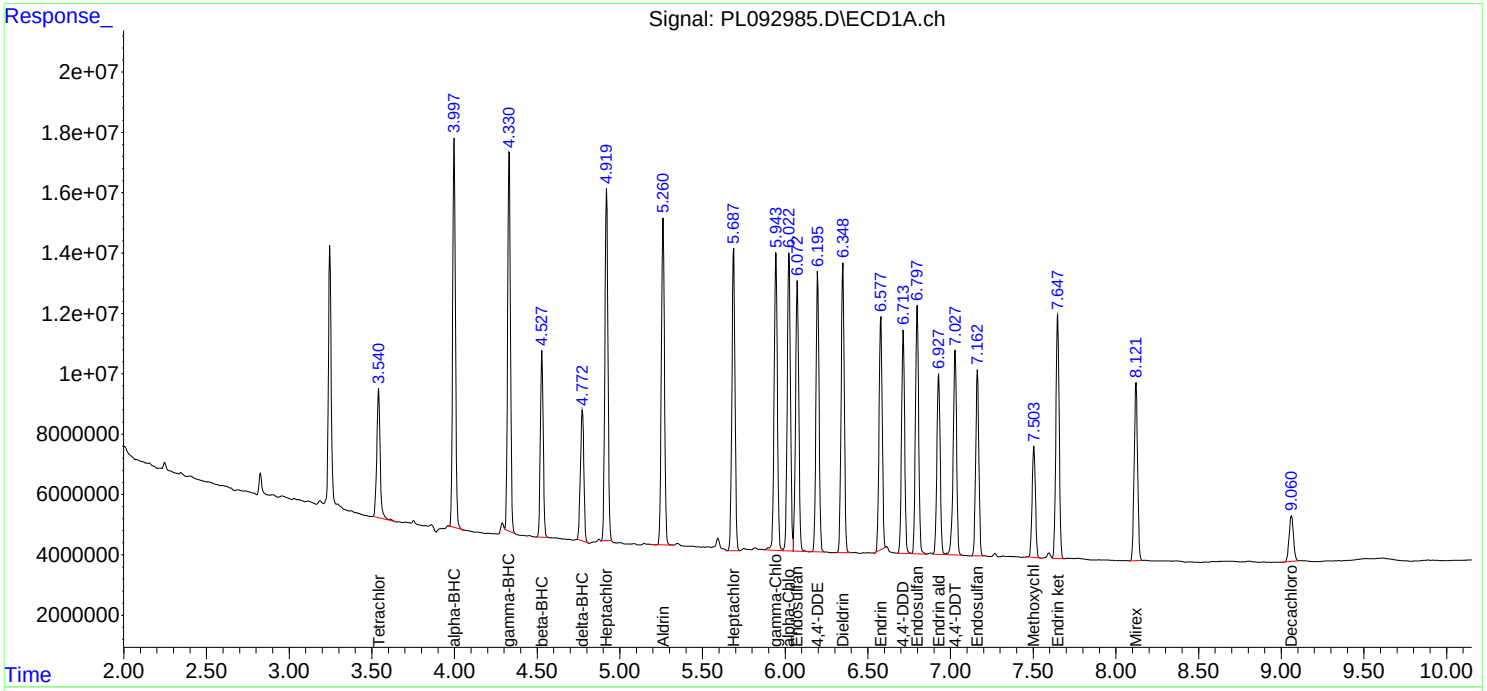
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 23:14
Operator : AR\AJ
Sample : P4718-03MSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

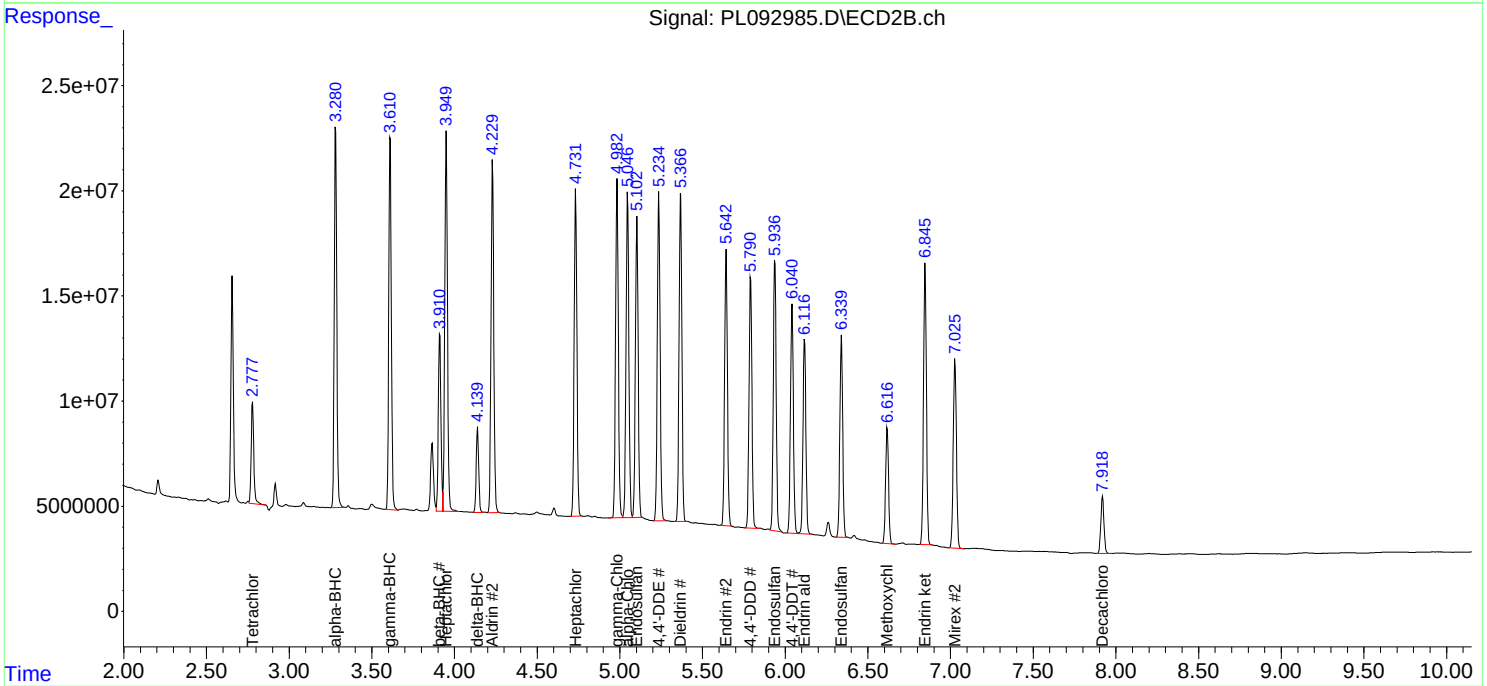
**Instrument :**
ECD_L
**ClientSampleId :**
WB-307-SB02MSD

**Manual Integrations APPROVED**
Reviewed By :Abdul Mirza 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:39:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

# Manual Integration Report

| Sequence: | PL102824 | Instrument | ECD_I |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PEM | PL092653.D | 4,4"-DDD | Abdul | 10/29/2024 9:08:09 AM | Ankita | 10/29/2024 10:01:26 | Peak Integrated by Software |
| PEM | PL092653.D | 4,4"-DDD #2 | Abdul | 10/29/2024 9:08:09 AM | Ankita | 10/29/2024 10:01:26 | Peak Integrated by Software |
| PSTDICC005 | PL092659.D | delta-BHC | Abdul | 10/29/2024 9:08:13 AM | Ankita | 10/29/2024 10:01:28 | Peak Integrated by Software |
| PSTDICC005 | PL092659.D | Heptachlor epoxide | Abdul | 10/29/2024 9:08:13 AM | Ankita | 10/29/2024 10:01:28 | Peak Integrated by Software |
| PEM | PL092674.D | 4,4"-DDD #2 | Abdul | 10/29/2024 9:08:21 AM | Ankita | 10/29/2024 10:01:31 | Peak Integrated by Software |
| PEM | PL092674.D | 4,4"-DDE | Abdul | 10/29/2024 9:08:21 AM | Ankita | 10/29/2024 10:01:31 | Peak Integrated by Software |
| PEM | PL092674.D | 4,4"-DDE #2 | Abdul | 10/29/2024 9:08:21 AM | Ankita | 10/29/2024 10:01:31 | Peak Integrated by Software |
| PEM | PL092674.D | Endrin ketone #2 | Abdul | 10/29/2024 9:08:21 AM | Ankita | 10/29/2024 10:01:31 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | Aldrin | Abdul | 10/29/2024 9:08:25 AM | Ankita | 10/29/2024 10:01:33 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | Dieldrin #2 | Abdul | 10/29/2024 9:08:25 AM | Ankita | 10/29/2024 10:01:33 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | gamma-BHC (Lindane) | Abdul | 10/29/2024 9:08:25 AM | Ankita | 10/29/2024 10:01:33 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | Tetrachloro-m-xylene #2 | Abdul | 10/29/2024 9:08:25 AM | Ankita | 10/29/2024 10:01:33 | Peak Integrated by Software |
| I.BLK | PL092690.D | Tetrachloro-m-xylene #2 | Abdul | 10/29/2024 9:09:28 AM | Ankita | 10/29/2024 10:02:09 | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | PL102824 | Instrument | ECD_I |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PSTDCCC050 | PL092691.D | Endosulfan II #2 | Abdul | 10/29/2024 9:09:32 AM | Ankita | 10/29/2024 10:02:10 | Peak Integrated by Software |
| PSTDCCC050 | PL092691.D | gamma-Chlordane | Abdul | 10/29/2024 9:09:32 AM | Ankita | 10/29/2024 10:02:10 | Peak Integrated by Software |
| PSTDCCC050 | PL092691.D | Heptachlor epoxide | Abdul | 10/29/2024 9:09:32 AM | Ankita | 10/29/2024 10:02:10 | Peak Integrated by Software |
| PSTDCCC050 | PL092691.D | Mirex #2 | Abdul | 10/29/2024 9:09:32 AM | Ankita | 10/29/2024 10:02:10 | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | PL111124 | Instrument | ECD_I |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PEM | PL092942.D | 4,4"-DDE | Abdul | 11/12/2024 3:41:42 PM | Ankita | 11/12/2024 4:01:16 | Peak Integrated by Software |
| PEM | PL092942.D | 4,4"-DDE #2 | Abdul | 11/12/2024 3:41:42 PM | Ankita | 11/12/2024 4:01:16 | Peak Integrated by Software |
| I.BLK | PL092959.D | Decachlorobiphenyl | Abdul | 11/12/2024 3:43:06 PM | Ankita | 11/12/2024 4:01:32 | Peak Integrated by Software |
| PEM | PL092972.D | 4,4"-DDE | Abdul | 11/12/2024 3:42:37 PM | Ankita | 11/12/2024 4:01:39 | Peak Integrated by Software |
| PEM | PL092972.D | 4,4"-DDE #2 | Abdul | 11/12/2024 3:42:37 PM | Ankita | 11/12/2024 4:01:39 | Peak Integrated by Software |
| P4718-03MS | PL092984.D | gamma-BHC (Lindane) | Abdul | 11/12/2024 3:40:45 PM | Ankita | 11/12/2024 4:01:51 | Peak Integrated by Software |
| P4718-03MSD | PL092985.D | gamma-BHC (Lindane) | Abdul | 11/12/2024 3:40:49 PM | Ankita | 11/12/2024 4:01:53 | Peak Integrated by Software |
| PSTDCCC050 | PL092993.D | 4,4"-DDT | Abdul | 11/12/2024 3:40:57 PM | Ankita | 11/12/2024 4:01:57 | Peak Integrated by Software |
| PSTDCCC050 | PL092993.D | Heptachlor epoxide | Abdul | 11/12/2024 3:40:57 PM | Ankita | 11/12/2024 4:01:57 | Peak Integrated by Software |

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

**Instrument ID: ECD_L**

## Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/29/2024 9:09:59 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 10:02:30 AM | | |
| SubDirectory | PL102824 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PL092651.D | 28 Oct 2024 13:41 | AR\AJ | Ok |
| 2 | I.BLK | PL092652.D | 28 Oct 2024 13:55 | AR\AJ | Ok |
| 3 | PEM | PL092653.D | 28 Oct 2024 14:16 | AR\AJ | Ok,M |
| 4 | RESCHK | PL092654.D | 28 Oct 2024 14:29 | AR\AJ | Ok |
| 5 | PSTDICC100 | PL092655.D | 28 Oct 2024 14:43 | AR\AJ | Ok |
| 6 | PSTDICC075 | PL092656.D | 28 Oct 2024 14:56 | AR\AJ | Ok |
| 7 | PSTDICC050 | PL092657.D | 28 Oct 2024 15:09 | AR\AJ | Ok |
| 8 | PSTDICC025 | PL092658.D | 28 Oct 2024 15:23 | AR\AJ | Ok |
| 9 | PSTDICC005 | PL092659.D | 28 Oct 2024 15:36 | AR\AJ | Ok,M |
| 10 | PCHLORICC1000 | PL092660.D | 28 Oct 2024 15:49 | AR\AJ | Ok |
| 11 | PCHLORICC750 | PL092661.D | 28 Oct 2024 16:03 | AR\AJ | Ok |
| 12 | PCHLORICC500 | PL092662.D | 28 Oct 2024 16:16 | AR\AJ | Ok |
| 13 | PCHLORICC250 | PL092663.D | 28 Oct 2024 16:30 | AR\AJ | Ok |
| 14 | PCHLORICC050 | PL092664.D | 28 Oct 2024 16:43 | AR\AJ | Ok |
| 15 | PTOXICC1000 | PL092665.D | 28 Oct 2024 16:56 | AR\AJ | Ok |
| 16 | PTOXICC750 | PL092666.D | 28 Oct 2024 17:10 | AR\AJ | Ok |
| 17 | PTOXICC500 | PL092667.D | 28 Oct 2024 17:23 | AR\AJ | Ok |
| 18 | PTOXICC250 | PL092668.D | 28 Oct 2024 17:37 | AR\AJ | Ok |
| 19 | PTOXICC100 | PL092669.D | 28 Oct 2024 17:50 | AR\AJ | Ok,M |
| 20 | PSTDICV050 | PL092670.D | 28 Oct 2024 18:03 | AR\AJ | Ok |
| 21 | PCHLORICV500 | PL092671.D | 28 Oct 2024 18:30 | AR\AJ | Ok |

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**Instrument ID: ECD_L**

## Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/29/2024 9:09:59 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 10:02:30 AM | | |
| SubDirectory | PL102824 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PTOXICV500 | PL092672.D | 28 Oct 2024 18:57 | AR\AJ | Ok |
| 23 | I.BLK | PL092673.D | 28 Oct 2024 19:24 | AR\AJ | Ok |
| 24 | PEM | PL092674.D | 28 Oct 2024 19:37 | AR\AJ | Ok,M |
| 25 | PSTDCCC050 | PL092675.D | 28 Oct 2024 19:51 | AR\AJ | Ok,M |
| 26 | PB164460BL | PL092676.D | 28 Oct 2024 20:04 | AR\AJ | Ok,M |
| 27 | PB164460BS | PL092677.D | 28 Oct 2024 20:17 | AR\AJ | Ok,M |
| 28 | P4575-01 | PL092678.D | 28 Oct 2024 20:31 | AR\AJ | Ok,M |
| 29 | P4566-01 | PL092679.D | 28 Oct 2024 20:44 | AR\AJ | Ok,M |
| 30 | P4567-01 | PL092680.D | 28 Oct 2024 20:57 | AR\AJ | Ok,M |
| 31 | P4567-05 | PL092681.D | 28 Oct 2024 21:11 | AR\AJ | Ok |
| 32 | P4567-09 | PL092682.D | 28 Oct 2024 21:24 | AR\AJ | Ok,M |
| 33 | P4574-01 | PL092683.D | 28 Oct 2024 21:38 | AR\AJ | Ok,M |
| 34 | P4574-04 | PL092684.D | 28 Oct 2024 21:51 | AR\AJ | Ok,M |
| 35 | P4577-01 | PL092685.D | 28 Oct 2024 22:04 | AR\AJ | Ok,M |
| 36 | P4561-01 | PL092686.D | 28 Oct 2024 22:18 | AR\AJ | Ok,M |
| 37 | P4561-01MS | PL092687.D | 28 Oct 2024 22:31 | AR\AJ | Ok,M |
| 38 | P4561-01MSD | PL092688.D | 28 Oct 2024 22:44 | AR\AJ | Ok,M |
| 39 | P4561-05 | PL092689.D | 28 Oct 2024 22:58 | AR\AJ | Ok,M |
| 40 | I.BLK | PL092690.D | 28 Oct 2024 23:11 | AR\AJ | Ok,M |
| 41 | PSTDCCC050 | PL092691.D | 29 Oct 2024 00:32 | AR\AJ | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID: ECD_L**

## Daily Analysis Runlog For Sequence/QCBatch ID # PL111124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 11/12/2024 3:43:42 PM | | |
| Supervise By | Ankita | Supervise On | 11/12/2024 4:02:24 PM | | |
| SubDirectory | PL111124 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PL092940.D | 11 Nov 2024 09:21 | AR\AJ | Ok |
| 2 | I.BLK | PL092941.D | 11 Nov 2024 09:35 | AR\AJ | Ok |
| 3 | PEM | PL092942.D | 11 Nov 2024 09:49 | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PL092943.D | 11 Nov 2024 11:58 | AR\AJ | Ok |
| 5 | PB164849BL | PL092944.D | 11 Nov 2024 12:12 | AR\AJ | Ok |
| 6 | PB164849BS | PL092945.D | 11 Nov 2024 12:26 | AR\AJ | Ok |
| 7 | PB164694TB | PL092946.D | 11 Nov 2024 12:40 | AR\AJ | Ok |
| 8 | PB164793TB | PL092947.D | 11 Nov 2024 12:54 | AR\AJ | Ok |
| 9 | P4660-03MS | PL092948.D | 11 Nov 2024 13:08 | AR\AJ | Ok,M |
| 10 | P4660-03MSD | PL092949.D | 11 Nov 2024 13:26 | AR\AJ | Ok,M |
| 11 | P4738-02 | PL092950.D | 11 Nov 2024 13:40 | AR\AJ | Ok |
| 12 | PB164859BL | PL092951.D | 11 Nov 2024 13:53 | AR\AJ | Ok |
| 13 | PB164859BS | PL092952.D | 11 Nov 2024 14:07 | AR\AJ | Ok |
| 14 | P4793-01 | PL092953.D | 11 Nov 2024 14:21 | AR\AJ | Not Ok |
| 15 | P4795-01 | PL092954.D | 11 Nov 2024 14:35 | AR\AJ | Ok,M |
| 16 | P4796-01 | PL092955.D | 11 Nov 2024 14:49 | AR\AJ | Ok,M |
| 17 | P4796-03 | PL092956.D | 11 Nov 2024 15:03 | AR\AJ | Ok,M |
| 18 | P4796-05 | PL092957.D | 11 Nov 2024 15:16 | AR\AJ | Ok,M |
| 19 | P4796-07 | PL092958.D | 11 Nov 2024 15:30 | AR\AJ | Ok,M |
| 20 | I.BLK | PL092959.D | 11 Nov 2024 16:35 | AR\AJ | Ok,M |
| 21 | PSTDCCC050 | PL092960.D | 11 Nov 2024 16:49 | AR\AJ | Ok |

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**Instrument ID: ECD_L**

## Daily Analysis Runlog For Sequence/QCBatch ID # PL111124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 11/12/2024 3:43:42 PM | | |
| Supervise By | Ankita | Supervise On | 11/12/2024 4:02:24 PM | | |
| SubDirectory | PL111124 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PB164862BL | PL092961.D | 11 Nov 2024 17:28 | AR\AJ | Ok |
| 23 | PB164862BS | PL092962.D | 11 Nov 2024 17:42 | AR\AJ | Ok |
| 24 | PB164862BSD | PL092963.D | 11 Nov 2024 17:55 | AR\AJ | Ok |
| 25 | P4791-02 | PL092964.D | 11 Nov 2024 18:09 | AR\AJ | Not Ok |
| 26 | P4792-04 | PL092965.D | 11 Nov 2024 18:23 | AR\AJ | Not Ok |
| 27 | P4796-07MS | PL092966.D | 11 Nov 2024 18:37 | AR\AJ | Ok,M |
| 28 | P4796-07MSD | PL092967.D | 11 Nov 2024 18:51 | AR\AJ | Ok,M |
| 29 | PB164885BL | PL092968.D | 11 Nov 2024 19:05 | AR\AJ | Ok |
| 30 | PB164885BS | PL092969.D | 11 Nov 2024 19:19 | AR\AJ | Ok |
| 31 | PB164885TB | PL092970.D | 11 Nov 2024 19:33 | AR\AJ | Ok |
| 32 | I.BLK | PL092971.D | 11 Nov 2024 19:46 | AR\AJ | Ok |
| 33 | PEM | PL092972.D | 11 Nov 2024 20:00 | AR\AJ | Ok,M |
| 34 | PSTDCCC050 | PL092973.D | 11 Nov 2024 20:14 | AR\AJ | Ok |
| 35 | P4722-05 | PL092974.D | 11 Nov 2024 20:42 | AR\AJ | Ok |
| 36 | P4722-10 | PL092975.D | 11 Nov 2024 20:56 | AR\AJ | Ok |
| 37 | P4722-15 | PL092976.D | 11 Nov 2024 21:10 | AR\AJ | Ok |
| 38 | P4722-15MS | PL092977.D | 11 Nov 2024 21:24 | AR\AJ | Ok,M |
| 39 | P4722-15MSD | PL092978.D | 11 Nov 2024 21:37 | AR\AJ | Ok,M |
| 40 | P4788-01 | PL092979.D | 11 Nov 2024 21:51 | AR\AJ | Ok,M |
| 41 | P4798-01 | PL092980.D | 11 Nov 2024 22:05 | AR\AJ | Ok,M |
| 42 | P4792-03 | PL092981.D | 11 Nov 2024 22:19 | AR\AJ | Ok,M |
| 43 | P4798-01 | PL092982.D | 11 Nov 2024 22:33 | AR\AJ | Not Ok |
| 44 | P4748-03 | PL092983.D | 11 Nov 2024 22:47 | AR\AJ | Ok |

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**Instrument ID: ECD_L**

## Daily Analysis Runlog For Sequence/QCBatch ID # PL111124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 11/12/2024 3:43:42 PM | | |
| Supervise By | Ankita | Supervise On | 11/12/2024 4:02:24 PM | | |
| SubDirectory | PL111124 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | P4718-03MS | PL092984.D | 11 Nov 2024 23:01 | AR\AJ | Ok,M |
| 46 | P4718-03MSD | PL092985.D | 11 Nov 2024 23:14 | AR\AJ | Ok,M |
| 47 | P4722-04 | PL092986.D | 11 Nov 2024 23:28 | AR\AJ | Ok |
| 48 | P4722-09 | PL092987.D | 11 Nov 2024 23:42 | AR\AJ | Ok |
| 49 | P4722-14 | PL092988.D | 11 Nov 2024 23:56 | AR\AJ | Ok |
| 50 | P4732-02 | PL092989.D | 12 Nov 2024 00:10 | AR\AJ | Ok |
| 51 | P4771-06 | PL092990.D | 12 Nov 2024 00:24 | AR\AJ | Ok,M |
| 52 | P4771-08 | PL092991.D | 12 Nov 2024 00:38 | AR\AJ | Ok |
| 53 | I.BLK | PL092992.D | 12 Nov 2024 00:52 | AR\AJ | Ok |
| 54 | PSTDCCC050 | PL092993.D | 12 Nov 2024 01:06 | AR\AJ | Ok,M |

M : Manual Integration

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**Instrument ID:** ECD_L

## Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/29/2024 9:09:59 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 10:02:30 AM | | |
| SubDirectory | PL102824 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PL092651.D | 28 Oct 2024 13:41 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PL092652.D | 28 Oct 2024 13:55 | | AR\AJ | Ok |
| 3 | PEM | PEM | PL092653.D | 28 Oct 2024 14:16 | | AR\AJ | Ok,M |
| 4 | RESCHK | RESCHK | PL092654.D | 28 Oct 2024 14:29 | | AR\AJ | Ok |
| 5 | PSTDICC100 | PSTDICC100 | PL092655.D | 28 Oct 2024 14:43 | | AR\AJ | Ok |
| 6 | PSTDICC075 | PSTDICC075 | PL092656.D | 28 Oct 2024 14:56 | | AR\AJ | Ok |
| 7 | PSTDICC050 | PSTDICC050 | PL092657.D | 28 Oct 2024 15:09 | | AR\AJ | Ok |
| 8 | PSTDICC025 | PSTDICC025 | PL092658.D | 28 Oct 2024 15:23 | | AR\AJ | Ok |
| 9 | PSTDICC005 | PSTDICC005 | PL092659.D | 28 Oct 2024 15:36 | | AR\AJ | Ok,M |
| 10 | PCHLORICC1000 | PCHLORICC1000 | PL092660.D | 28 Oct 2024 15:49 | | AR\AJ | Ok |
| 11 | PCHLORICC750 | PCHLORICC750 | PL092661.D | 28 Oct 2024 16:03 | | AR\AJ | Ok |
| 12 | PCHLORICC500 | PCHLORICC500 | PL092662.D | 28 Oct 2024 16:16 | | AR\AJ | Ok |
| 13 | PCHLORICC250 | PCHLORICC250 | PL092663.D | 28 Oct 2024 16:30 | | AR\AJ | Ok |
| 14 | PCHLORICC050 | PCHLORICC050 | PL092664.D | 28 Oct 2024 16:43 | | AR\AJ | Ok |
| 15 | PTOXICC1000 | PTOXICC1000 | PL092665.D | 28 Oct 2024 16:56 | | AR\AJ | Ok |
| 16 | PTOXICC750 | PTOXICC750 | PL092666.D | 28 Oct 2024 17:10 | | AR\AJ | Ok |
| 17 | PTOXICC500 | PTOXICC500 | PL092667.D | 28 Oct 2024 17:23 | | AR\AJ | Ok |
| 18 | PTOXICC250 | PTOXICC250 | PL092668.D | 28 Oct 2024 17:37 | | AR\AJ | Ok |

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**Instrument ID:** ECD_L

## Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/29/2024 9:09:59 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 10:02:30 AM | | |
| SubDirectory | PL102824 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | PTOXICC100 | PTOXICC100 | PL092669.D | 28 Oct 2024 17:50 | | AR\AJ | Ok,M |
| 20 | PSTDICV050 | ICVPL102824 | PL092670.D | 28 Oct 2024 18:03 | | AR\AJ | Ok |
| 21 | PCHLORICV500 | ICVPL102824CHLOR | PL092671.D | 28 Oct 2024 18:30 | | AR\AJ | Ok |
| 22 | PTOXICV500 | ICVPL102824TOX | PL092672.D | 28 Oct 2024 18:57 | | AR\AJ | Ok |
| 23 | I.BLK | I.BLK | PL092673.D | 28 Oct 2024 19:24 | | AR\AJ | Ok |
| 24 | PEM | PEM | PL092674.D | 28 Oct 2024 19:37 | | AR\AJ | Ok,M |
| 25 | PSTDCCC050 | PSTDCCC050 | PL092675.D | 28 Oct 2024 19:51 | | AR\AJ | Ok,M |
| 26 | PB164460BL | PB164460BL | PL092676.D | 28 Oct 2024 20:04 | | AR\AJ | Ok,M |
| 27 | PB164460BS | PB164460BS | PL092677.D | 28 Oct 2024 20:17 | | AR\AJ | Ok,M |
| 28 | P4575-01 | PL-02-102424 | PL092678.D | 28 Oct 2024 20:31 | | AR\AJ | Ok,M |
| 29 | P4566-01 | HD-01-102524 | PL092679.D | 28 Oct 2024 20:44 | | AR\AJ | Ok,M |
| 30 | P4567-01 | WC-1 | PL092680.D | 28 Oct 2024 20:57 | | AR\AJ | Ok,M |
| 31 | P4567-05 | WC-2 | PL092681.D | 28 Oct 2024 21:11 | | AR\AJ | Ok |
| 32 | P4567-09 | WC-3 | PL092682.D | 28 Oct 2024 21:24 | | AR\AJ | Ok,M |
| 33 | P4574-01 | GRAVEL-1 | PL092683.D | 28 Oct 2024 21:38 | | AR\AJ | Ok,M |
| 34 | P4574-04 | GRAVEL-2 | PL092684.D | 28 Oct 2024 21:51 | | AR\AJ | Ok,M |
| 35 | P4577-01 | TR-05-102524 | PL092685.D | 28 Oct 2024 22:04 | | AR\AJ | Ok,M |
| 36 | P4561-01 | BP-F-19 | PL092686.D | 28 Oct 2024 22:18 | | AR\AJ | Ok,M |
| 37 | P4561-01MS | BP-F-19MS | PL092687.D | 28 Oct 2024 22:31 | | AR\AJ | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** ECD_L

## Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/29/2024 9:09:59 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 10:02:30 AM | | |
| SubDirectory | PL102824 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | P4561-01MSD | BP-F-19MSD | PL092688.D | 28 Oct 2024 22:44 | | AR\AJ | Ok,M |
| 39 | P4561-05 | BP-F-18 | PL092689.D | 28 Oct 2024 22:58 | | AR\AJ | Ok,M |
| 40 | I.BLK | I.BLK | PL092690.D | 28 Oct 2024 23:11 | | AR\AJ | Ok,M |
| 41 | PSTDCCC050 | PSTDCCC050 | PL092691.D | 29 Oct 2024 00:32 | | AR\AJ | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** ECD_L

## Daily Analysis Runlog For Sequence/QCBatch ID # PL111124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 11/12/2024 3:43:42 PM | | |
| Supervise By | Ankita | Supervise On | 11/12/2024 4:02:24 PM | | |
| SubDirectory | PL111124 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PL092940.D | 11 Nov 2024 09:21 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PL092941.D | 11 Nov 2024 09:35 | | AR\AJ | Ok |
| 3 | PEM | PEM | PL092942.D | 11 Nov 2024 09:49 | | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PSTDCCC050 | PL092943.D | 11 Nov 2024 11:58 | | AR\AJ | Ok |
| 5 | PB164849BL | PB164849BL | PL092944.D | 11 Nov 2024 12:12 | | AR\AJ | Ok |
| 6 | PB164849BS | PB164849BS | PL092945.D | 11 Nov 2024 12:26 | | AR\AJ | Ok |
| 7 | PB164694TB | PB164694TB | PL092946.D | 11 Nov 2024 12:40 | | AR\AJ | Ok |
| 8 | PB164793TB | PB164793TB | PL092947.D | 11 Nov 2024 12:54 | | AR\AJ | Ok |
| 9 | P4660-03MS | WC-TA2-01-CMS | PL092948.D | 11 Nov 2024 13:08 | | AR\AJ | Ok,M |
| 10 | P4660-03MSD | WC-TA2-01-CMSD | PL092949.D | 11 Nov 2024 13:26 | | AR\AJ | Ok,M |
| 11 | P4738-02 | 72-12018 | PL092950.D | 11 Nov 2024 13:40 | | AR\AJ | Ok |
| 12 | PB164859BL | PB164859BL | PL092951.D | 11 Nov 2024 13:53 | | AR\AJ | Ok |
| 13 | PB164859BS | PB164859BS | PL092952.D | 11 Nov 2024 14:07 | | AR\AJ | Ok |
| 14 | P4793-01 | M00-24-00345 | PL092953.D | 11 Nov 2024 14:21 | F flag is coming in surrogate | AR\AJ | Not Ok |
| 15 | P4795-01 | LAW-23-00189 | PL092954.D | 11 Nov 2024 14:35 | | AR\AJ | Ok,M |
| 16 | P4796-01 | TP-1 | PL092955.D | 11 Nov 2024 14:49 | | AR\AJ | Ok,M |
| 17 | P4796-03 | TP-2 | PL092956.D | 11 Nov 2024 15:03 | | AR\AJ | Ok,M |
| 18 | P4796-05 | TP-3 | PL092957.D | 11 Nov 2024 15:16 | | AR\AJ | Ok,M |

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

**Instrument ID:** ECD_L

## Daily Analysis Runlog For Sequence/QCBatch ID # PL111124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 11/12/2024 3:43:42 PM | | |
| Supervise By | Ankita | Supervise On | 11/12/2024 4:02:24 PM | | |
| SubDirectory | PL111124 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P4796-07 | TP-4 | PL092958.D | 11 Nov 2024 15:30 | | AR\AJ | Ok,M |
| 20 | I.BLK | I.BLK | PL092959.D | 11 Nov 2024 16:35 | | AR\AJ | Ok,M |
| 21 | PSTDCCC050 | PSTDCCC050 | PL092960.D | 11 Nov 2024 16:49 | | AR\AJ | Ok |
| 22 | PB164862BL | PB164862BL | PL092961.D | 11 Nov 2024 17:28 | | AR\AJ | Ok |
| 23 | PB164862BS | PB164862BS | PL092962.D | 11 Nov 2024 17:42 | | AR\AJ | Ok |
| 24 | PB164862BSD | PB164862BSD | PL092963.D | 11 Nov 2024 17:55 | | AR\AJ | Ok |
| 25 | P4791-02 | HINCHMAN-OILY-WAT | PL092964.D | 11 Nov 2024 18:09 | Surrogate Fail in both column | AR\AJ | Not Ok |
| 26 | P4792-04 | MANHOLE-WASTE-DR | PL092965.D | 11 Nov 2024 18:23 | Surrogate Fail in both column | AR\AJ | Not Ok |
| 27 | P4796-07MS | TP-4MS | PL092966.D | 11 Nov 2024 18:37 | | AR\AJ | Ok,M |
| 28 | P4796-07MSD | TP-4MSD | PL092967.D | 11 Nov 2024 18:51 | RPD Fail in some compound | AR\AJ | Ok,M |
| 29 | PB164885BL | PB164885BL | PL092968.D | 11 Nov 2024 19:05 | | AR\AJ | Ok |
| 30 | PB164885BS | PB164885BS | PL092969.D | 11 Nov 2024 19:19 | | AR\AJ | Ok |
| 31 | PB164885TB | PB164885TB | PL092970.D | 11 Nov 2024 19:33 | | AR\AJ | Ok |
| 32 | I.BLK | I.BLK | PL092971.D | 11 Nov 2024 19:46 | | AR\AJ | Ok |
| 33 | PEM | PEM | PL092972.D | 11 Nov 2024 20:00 | | AR\AJ | Ok,M |
| 34 | PSTDCCC050 | PSTDCCC050 | PL092973.D | 11 Nov 2024 20:14 | | AR\AJ | Ok |
| 35 | P4722-05 | WC-1(0-6) | PL092974.D | 11 Nov 2024 20:42 | | AR\AJ | Ok |
| 36 | P4722-10 | WC-2(0-6) | PL092975.D | 11 Nov 2024 20:56 | | AR\AJ | Ok |
| 37 | P4722-15 | WC-3(0-6) | PL092976.D | 11 Nov 2024 21:10 | | AR\AJ | Ok |

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

**Instrument ID:** ECD_L

## Daily Analysis Runlog For Sequence/QCBatch ID # PL111124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 11/12/2024 3:43:42 PM | | |
| Supervise By | Ankita | Supervise On | 11/12/2024 4:02:24 PM | | |
| SubDirectory | PL111124 | HP Acquire Method | | HP Processing Method | pl102824 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP23793,PP23517 |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC | PP23686,PP23690,PP23695 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23687,PP23693,PP23698 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | P4722-15MS | WC-3(0-6)MS | PL092977.D | 11 Nov 2024 21:24 | | AR\AJ | Ok,M |
| 39 | P4722-15MSD | WC-3(0-6)MSD | PL092978.D | 11 Nov 2024 21:37 | | AR\AJ | Ok,M |
| 40 | P4788-01 | BP-G3 | PL092979.D | 11 Nov 2024 21:51 | | AR\AJ | Ok,M |
| 41 | P4798-01 | MH-6 | PL092980.D | 11 Nov 2024 22:05 | | AR\AJ | Ok,M |
| 42 | P4792-03 | OILY-STONE-DRUM | PL092981.D | 11 Nov 2024 22:19 | | AR\AJ | Ok,M |
| 43 | P4798-01 | MH-6 | PL092982.D | 11 Nov 2024 22:33 | F flag is coming in surrogate, Already run | AR\AJ | Not Ok |
| 44 | P4748-03 | GCP57 | PL092983.D | 11 Nov 2024 22:47 | Typo P4718-03 | AR\AJ | Ok |
| 45 | P4718-03MS | WB-307-SB02MS | PL092984.D | 11 Nov 2024 23:01 | | AR\AJ | Ok,M |
| 46 | P4718-03MSD | WB-307-SB02MSD | PL092985.D | 11 Nov 2024 23:14 | | AR\AJ | Ok,M |
| 47 | P4722-04 | WC-1(0-6) | PL092986.D | 11 Nov 2024 23:28 | | AR\AJ | Ok |
| 48 | P4722-09 | WC-2(0-6) | PL092987.D | 11 Nov 2024 23:42 | | AR\AJ | Ok |
| 49 | P4722-14 | WC-3(0-6) | PL092988.D | 11 Nov 2024 23:56 | | AR\AJ | Ok |
| 50 | P4732-02 | PPE-COMP | PL092989.D | 12 Nov 2024 00:10 | | AR\AJ | Ok |
| 51 | P4771-06 | P-1 | PL092990.D | 12 Nov 2024 00:24 | | AR\AJ | Ok,M |
| 52 | P4771-08 | P-2 | PL092991.D | 12 Nov 2024 00:38 | | AR\AJ | Ok |
| 53 | I.BLK | I.BLK | PL092992.D | 12 Nov 2024 00:52 | | AR\AJ | Ok |
| 54 | PSTDCCC050 | PSTDCCC050 | PL092993.D | 12 Nov 2024 01:06 | | AR\AJ | Ok,M |

M : Manual Integration

Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB164694

**SOP ID :** M1311-TCLP-15

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-4

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-1 / T-2

**TCLP Filter ID :** 114771

**Start Prep Date :** 11/06/2024 **Time :** 16:45

**End Prep Date :** 11/07/2024 **Time :** 09:35

**Combination Ratio :** 20

**ZHE Cleaning Batch :** N/A

**Initial Room Temperature:** 24 °C

**Final Room Temperature:** 23 °C

**TCLP Technician Signature :**

**Supervisor By :** SJ

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| 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 |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| TCLP-FLUID-1 | N/A | WP108622 |
| HCL-TCLP,1N | N/A | WP108584 |
| HNO3-TCLP,1N | N/A | WP108585 |
| pH Strips | N/A | W1931,W1934,W2350,W2755 |
| pH Strips | N/A | W1937,W1938,W1939,W1940,W1941,W1942 |
| 1 Liter Amber | N/A | 23091 |
| 120ml Plastic bottle | N/A | 21029 |
| 1:1 HNO3 | MP81119 | N/A |

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

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. p4718-03 is used for MS-MSD. Particle size reduction is not required.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/07/24 11:00 | SD / Cold Room | / Metals |
| | Preparation Group | Analysis Group / GC |

Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB164694

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4718-03 | WB-307-SB02 | 01 | 100.02 | 2000 | N/A | N/A | N/A | 6.0 | 1.5 | T-1 |
| P4719-03 | BAYAVE-STOCKPILE | 02 | 100.03 | 2000 | N/A | N/A | N/A | 5.8 | 1.5 | T-1 |
| P4720-05 | JC-701-COMP-01 | 03 | 100.04 | 2000 | N/A | N/A | N/A | 3.5 | 1.0 | T-1 |
| P4722-04 | WC-1(0-6) | 04 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | 1.5 | T-1 |
| P4722-09 | WC-2(0-6) | 05 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-1 |
| P4722-14 | WC-3(0-6) | 06 | 100.03 | 2000 | N/A | N/A | N/A | 6.2 | 1.5 | T-1 |
| P4732-02 | PPE-COMP | 07 | 100.00 | 2000 | N/A | N/A | N/A | 6.0 | 1.0 | T-1 |
| P4738-02 | 72-12018 | 08 | 100.02 | 2000 | N/A | N/A | N/A | 4.5 | 1.5 | T-1 |
| P4739-04 | TP-14 | 09 | 100.03 | 2000 | N/A | N/A | N/A | 5.8 | 1.0 | T-1 |
| P4739-08 | BP-G2 | 10 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| P4739-12 | BP-B2 | 11 | 100.03 | 2000 | N/A | N/A | N/A | 5.8 | 1.0 | T-2 |
| P4739-16 | TP-11 | 12 | 100.04 | 2000 | N/A | N/A | N/A | 8.2 | 1.5 | T-2 |
| PB164694TB | LEB694 | 13 | N/A | 2000 | N/A | N/A | N/A | 4.94 | 1.0 | T-2 |

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| P4718-03 | WB-307-SB02 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4719-03 | BAYAVE-STOCKPILE | N/A | N/A | N/A | N/A | 100 | N/A |
| P4720-05 | JC-701-COMP-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4722-04 | WC-1(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| P4722-09 | WC-2(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| P4722-14 | WC-3(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| P4732-02 | PPE-COMP | N/A | N/A | N/A | N/A | 100 | N/A |
| P4738-02 | 72-12018 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4739-04 | TP-14 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4739-08 | BP-G2 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4739-12 | BP-B2 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4739-16 | TP-11 | N/A | N/A | N/A | N/A | 100 | N/A |
| PB164694TB | LEB694 | N/A | N/A | N/A | N/A | N/A | N/A |

Alliance TECHNICAL GROUP

**TCLP Fluid Determination**

PB164694

**Hot Block ID :** WC S-1 /WC S-2

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| P4718-03 | WB-307-SB02 | 5.02 | 96.5 | 8.4 | 3.0 | #1 | 4.94 |
| P4719-03 | BAYAVE-STOCKPILE | 5.01 | 96.5 | 8.4 | 3.0 | #1 | 4.94 |
| P4720-05 | JC-701-COMP-01 | 5.02 | 96.5 | 6.0 | 2.0 | #1 | 4.94 |
| P4722-04 | WC-1(0-6) | 5.03 | 96.5 | 9.4 | 4.0 | #1 | 4.94 |
| P4722-09 | WC-2(0-6) | 5.02 | 96.5 | 9.0 | 3.5 | #1 | 4.94 |
| P4722-14 | WC-3(0-6) | 5.01 | 96.5 | 8.6 | 3.5 | #1 | 4.94 |
| P4732-02 | PPE-COMP | 5.00 | 96.5 | 8.4 | 3.0 | #1 | 4.94 |
| P4738-02 | 72-12018 | 5.02 | 96.5 | 7.0 | 2.5 | #1 | 4.94 |
| P4739-04 | TP-14 | 5.03 | 96.5 | 7.2 | 2.5 | #1 | 4.94 |
| P4739-08 | BP-G2 | 5.04 | 96.5 | 8.0 | 3.0 | #1 | 4.94 |
| P4739-12 | BP-B2 | 5.02 | 96.5 | 7.6 | 2.5 | #1 | 4.94 |
| P4739-16 | TP-11 | 5.01 | 96.5 | 10.0 | 4.0 | #1 | 4.94 |
| PB164694TB | LEB694 | N/A | N/A | N/A | N/A | #1 | 4.94 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** tclp p4719 **WorkList ID :** 185149 **Department :** TCLP Extraction **Date :** 11-06-2024 07:55:14

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4718-03 | WB-307-SB02 | Solid | TCLP Extraction | Cool 4 deg C | PORT06 | L21 | 11/04/2024 | 1311 |
| P4719-03 | BAYAVE-STOCKPILE | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | K21 | 11/05/2024 | 1311 |
| P4720-05 | JC-701-COMP-01 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | K31 | 11/05/2024 | 1311 |
| P4722-04 | WC-1(0-6) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | L23 | 11/05/2024 | 1311 |
| P4722-09 | WC-2(0-6) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | L23 | 11/05/2024 | 1311 |
| P4722-14 | WC-3(0-6) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | L23 | 11/05/2024 | 1311 |
| P4732-02 | PPE-COMP | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | L23 | 11/05/2024 | 1311 |
| P4738-02 | 72-12018 | Solid | TCLP Extraction | Cool 4 deg C | FURI01 | L11 | 11/06/2024 | 1311 |
| P4739-04 | TP-14 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | L23 | 11/06/2024 | 1311 |
| P4739-08 | BP-G2 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | L21 | 11/06/2024 | 1311 |
| P4739-12 | BP-B2 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | L21 | 11/06/2024 | 1311 |
| P4739-16 | TP-11 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | L21 | 11/06/2024 | 1311 |

**Date/Time** 11/06/24 16:10

**Raw Sample Received by:**

**Raw Sample Relinquished by:** SM

**Date/Time** 11/06/24 18:00

**Raw Sample Received by:** SM

**Raw Sample Relinquished by:**

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB164849

**SOP ID:** M3541-ASE Extraction-14

**Clean Up SOP #:** N/A

**Matrix :** Water

**Weigh By:** N/A

**Balance check:** N/A

**Balance ID:** N/A

**pH Strip Lot#:** N/A

**Extraction By:** RS

**Filter By:** RS

**pH Meter ID:** N/A

**Hood ID:** 4,5,6,7

**Extraction Start Date :** 11/10/2024

**Extraction Start Time :** 08:44

**Extraction End Date :** 11/10/2024

**Extraction End Time :** 13:40

**Concentration By:** EH

**Supervisor By :** rajesh

**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 | PP23928 |
| Surrogate | 1.0ML | 200 PPB | PP23858 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Methylene Chloride | N/A | E3828 |
| Baked Na2SO4 | N/A | EP2556 |
| Hexane | N/A | E3826 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

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

40 ML Vial lot# 03-40 BTS721.

**KD Bath ID:** Water bath -01,02

**KD Bath Temperature:** 60 °C

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/11/24 | RP (Ext Lab) | R Pest/PCB Lab |
| 9:15 | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB164849**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 11/10/2024

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB164694TB | PB164694TB | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | | | SEP-01 |
| PB164793TB | PB164793TB | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | | | 2 |
| PB164849BL | PBLK849 | TCLP Pesticide | 1000 | 6 | RUPESH | rajesh | 10 | | | 3 |
| PB164849BS | PLCS849 | TCLP Pesticide | 1000 | 6 | RUPESH | rajesh | 10 | | | 4 |
| P4718-03 | WB-307-SB02 | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 5 |
| P4718-03MS | WB-307-SB02MS | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 6 |
| P4718-03MSD | WB-307-SB02MSD | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 7 |
| P4722-04 | WC-1(0-6) | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 8 |
| P4722-09 | WC-2(0-6) | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 9 |
| P4722-14 | WC-3(0-6) | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 10 |
| P4732-02 | PPE-COMP | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 11 |
| P4738-02 | 72-12018 | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 12 |
| P4771-06 | P-1 | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 13 |
| P4771-08 | P-2 | TCLP Pesticide | 100 | 6 | RUPESH | rajesh | 10 | A | | 14 |

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

11/10/24

Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB164793

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4756-04 | BP-B4 | 01 | 100.03 | 2000 | N/A | N/A | N/A | 5.5 | 1.5 | T-1 |
| P4771-06 | P-1 | 02 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-1 |
| P4771-08 | P-2 | 03 | 100.01 | 2000 | N/A | N/A | N/A | 5.8 | 1.5 | T-1 |
| P4788-04 | BP-G3 | 04 | 100.02 | 2000 | N/A | N/A | N/A | 5.8 | 1.0 | T-1 |
| P4789-04 | BP-F21 | 05 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| P4792-01 | DIESLE-DRUM | 06 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-1 |
| P4792-06 | OILY-STONE-DRUM | 07 | 100.02 | 2000 | N/A | N/A | N/A | 4.5 | 1.5 | T-1 |
| P4793-02 | M00-24-00345 | 08 | 100.01 | 2000 | N/A | N/A | N/A | 3.0 | 1.5 | T-1 |
| P4795-02 | LAW-23-00189 | 09 | 100.02 | 2000 | N/A | N/A | N/A | 3.5 | 1.0 | T-1 |
| P4798-04 | MH-6 | 10 | 100.03 | 2000 | N/A | N/A | N/A | 5.8 | 1.5 | T-1 |
| PB164793TB | LEB793 | 11 | N/A | 2000 | N/A | N/A | N/A | 4.94 | 1.0 | T-1 |

11/09/2024

11:30

Alliance TECHNICAL GROUP

**SPLP EXTRACTION LOGPAGE**

PB164792

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4722-05 | WC-1(0-6) | 11 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | 1.5 | T-2 |
| P4722-10 | WC-2(0-6) | 12 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-2 |
| P4722-15 | WC-3(0-6) | 13 | 100.02 | 2000 | N/A | N/A | N/A | 7.2 | 1.5 | T-2 |
| PB164792TB | LEB792 | 14 | N/A | 2000 | N/A | N/A | N/A | 4.24 | 1.0 | T-2 |

11/04/2024

11:30

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# Prep Standard - Chemical Standard Summary

**Order ID :** P4732

**Test :** TCLP Pesticide

**Prepbatch ID :** PB164849,

**Sequence ID/Qc Batch ID:** PL111124,

**Standard ID :**
EP2556,PP23517,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23858,PP23928,

**Chemical ID :**
E3551,E3770,E3792,E3805,E3815,E3818,E3826,E3828,P11146,P11896,P13036,P13039,P13244,P13349,P13350,P13351,P13359,P13402,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2556 | 11/03/2024 | 01/03/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | RUPESHKUMAR SHAH 11/03/2024 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4027 | Pesticide resolution Check Mixture 8081 | PP23517 | 07/12/2024 | 01/12/2025 | Abdul Mirza | None | None | Ankita Jodhani 07/16/2024 |

**FROM** 1.00000ml of E3770 + 99.00000ml of P13244 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 84 | Pest/PCB Surrogate Stock 20 PPM | PP23673 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 1.00000ml of P13349 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3629 | 20 PPM PEST stock Solution 1st source(RESTEK) | PP23674 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1472 | 20 PPM Pest Stock Solution 2nd Source | PP23675 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1273 | 20 PPM Mirex Stock (Primary Source) | PP23676 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3663 | 20 PPM MIREX Stock STD (Secondary source) | PP23677 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3630 | 100/100 PPB PEST Working std.1st Source(RESTEK) | PP23678 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 80 | 100/100 PPB Pesticide Working Solution 2nd Source | PP23679 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 386 | 1000/100 PPB Chlordane STD (Restek) | PP23680 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3746 | 1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE | PP23681 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 383 | 1000/100 PPB Toxaphene STD (Restek) | PP23682 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3669 | 1000/100 PPB TOXAPHENE STD 2nd source (RESTEK) | PP23683 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3632 | 50 PPB ICAL PEST STD(RESTEK) | PP23686 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23678 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3988 | 50 PPB PEST ICV STD(RESTEK) | PP23687 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 529 | CHLOR 500 PPB STD | PP23690 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 532 | CHLOR 500 PPB ICV STD | PP23693 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 534 | TOX 500 PPB STD | PP23695 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3670 | TOX 500 PPB ICV std ( RESTEK) | PP23698 | 09/21/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/01/2024 |

**FROM** 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 84 | Pest/PCB Surrogate Stock 20 PPM | PP23733 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 518 | Pest/PCB I.BLK 20 PPB | PP23793 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 465 | 200 PPB Pest/PCB Surrogate Spike | PP23858 | 10/14/2024 | 04/04/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/14/2024 |

**FROM** 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 79 | 500 PPB Pesticide Spike Solution | PP23928 | 10/30/2024 | 03/11/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/30/2024 |

**FROM** 95.00000ml of E3818 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 01/03/2025 | 01/03/2024 / Rajesh | 07/20/2023 / Rajesh | E3551 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 05/09/2025 | 07/12/2024 / Rajesh | 07/02/2024 / Rajesh | E3770 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/11/2025 | 09/12/2024 / Rajesh | 09/11/2024 / Rajesh | E3792 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/30/2025 | 09/30/2024 / Rajesh | 09/25/2024 / Rajesh | E3805 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 04/04/2025 | 10/04/2024 / Rajesh | 10/04/2024 / Rajesh | E3815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 04/23/2025 | 10/23/2024 / Rajesh | 10/09/2024 / Rajesh | E3818 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 05/09/2025 | 11/09/2024 / Rajesh | 11/07/2024 / Rajesh | E3826 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24G0862003 | 05/09/2025 | 11/09/2024 / Rajesh | 11/04/2024 / Rajesh | E3828 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 102821 | 03/21/2025 | 09/21/2024 / Abdul | 10/29/2021 / Abdul | P11146 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32021 / Chlordane Std. | A0181737 | 03/21/2025 | 09/21/2024 / Abdul | 06/17/2022 / Abdul | P11896 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0200423 | 03/21/2025 | 09/21/2024 / Abdul | 12/26/2023 / Abdul | P13036 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0199099 | 03/21/2025 | 09/21/2024 / Abdul | 12/26/2023 / Abdul | P13039 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 19161 / 8081 pesticide resolution check mixture | 013124 | 01/12/2025 | 07/12/2024 / Abdul | 02/09/2024 / Abdul | P13244 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 03/21/2025 | 09/21/2024 / Abdul | 04/22/2024 / Abdul | P13349 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 04/03/2025 | 10/03/2024 / Ankita | 04/22/2024 / Abdul | P13350 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 04/14/2025 | 10/14/2024 / Abdul | 04/22/2024 / Abdul | P13351 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32005 / Toxaphene Standard | A0203830 | 03/21/2025 | 09/21/2024 / Abdul | 05/03/2024 / Abdul | P13359 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32005 / Toxaphene Standard | A0203038 | 03/21/2025 | 09/21/2024 / Abdul | 05/15/2024 / Abdul | P13402 |

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| PRODUCT : | SODIUM SULFATE CRYSTALS ANHYDROUS | | |
| QUALITY : | ACS (CODE RMB3375) | FORMULA : | $Na_2SO_4$ |
| SPECIFICATION NUMBER : | 6399 | RELEASE DATE: | ABR/21/2023 |
| LOT NUMBER : | 313201 | | |

| TEST | SPECIFICATIONS | LOT VALUES |
|---|---|---|
| Assay ($Na_2SO_4$) | Min. 99.0% | 99.7 % |
| pH of a 5% solution at 25°C | 5.2 - 9.2 | 6.1 |
| Insoluble matter | Max. 0.01% | 0.005 % |
| Loss on ignition | Max. 0.5% | 0.1 % |
| Chloride (Cl) | Max. 0.001% | <0.001 % |
| Nitrogen compounds (as N) | Max. 5 ppm | <5 ppm |
| Phosphate ($PO_4$) | Max. 0.001% | <0.001 % |
| Heavy metals (as Pb) | Max. 5 ppm | <5 ppm |
| Iron (Fe) | Max. 0.001% | <0.001 % |
| Calcium (Ca) | Max. 0.01% | 0.002 % |
| Magnesium (Mg) | Max. 0.005% | 0.001 % |
| Potassium (K) | Max. 0.008% | 0.003 % |
| Extraction-concentration suitability | Passes test | Passes test |
| Appearance | Passes test | Passes test |
| Identification | Passes test | Passes test |
| Solubility and foreing matter | Passes test | Passes test |
| Retained on US Standard No. 10 sieve | Max. 1% | 0.1 % |
| Retained on US Standard No. 60 sieve | Min. 94% | 97.3 % |
| Through US Standard No. 60 sieve | Max. 5% | 2.5 % |
| Through US Standard No. 100 sieve | Max. 10% | 0.1 % |

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.4 % | 99.7 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.3 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.6 | < 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.3 % |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.4 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.4 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/9/24

E 3818

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | 3 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.1 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 2 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32021 **Lot No.:** A0181737

**Description :** Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Chlordane | 1,006.0 µg/mL | +/- 5.9753 | µg/mL | Gravimetric |
| | **CAS #** 57-74-9 (Lot 978545) | | +/- 31.8975 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.6615 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 11892 ↓ P 11896 (5)

06/17/2022

**Tech Tips:**
CAS #57-74-9 nomenclature is based on EPA method 8081B.

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

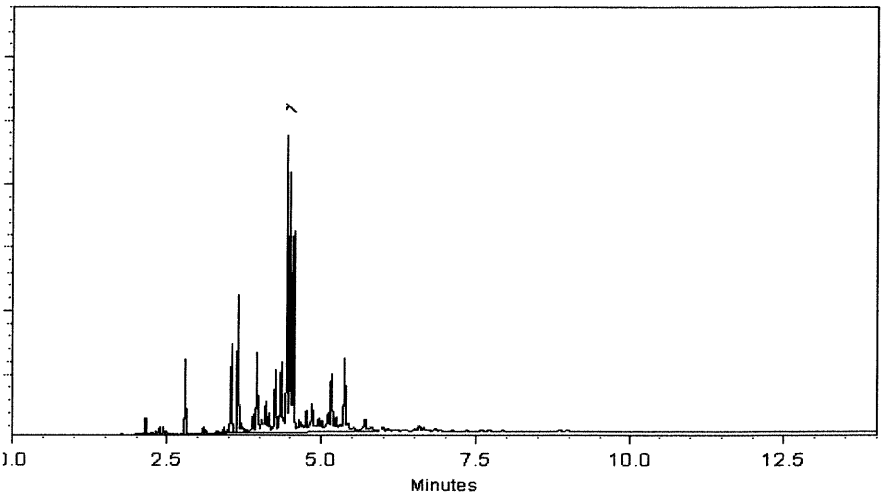
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

**Date Mixed:** 11-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

**Date Passed:** 24-Feb-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P 11892 | (5)
↓
P 11896
1

06/17/2022

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P130397 } 5
↓
P130431

**Catalog No. :** 32291 **Lot No.:** A0199099

**Description :** Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

12.26.2023

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | alpha-BHC | 319-84-6 | 14434500 | 99% | 200.0 µg/mL | +/- 8.9732 |
| 2 | gamma-BHC (Lindane) | 58-89-9 | 14184400 | 98% | 200.1 µg/mL | +/- 8.9762 |
| 3 | beta-BHC | 319-85-7 | BCCC6425 | 99% | 200.3 µg/mL | +/- 8.9844 |
| 4 | delta-BHC | 319-86-8 | 14450800 | 98% | 200.0 µg/mL | +/- 8.9740 |
| 5 | Heptachlor | 76-44-8 | 813251 | 99% | 200.1 µg/mL | +/- 8.9754 |
| 6 | Aldrin | 309-00-2 | 14389400 | 98% | 200.0 µg/mL | +/- 8.9718 |
| 7 | Heptachlor epoxide (isomer B) | 1024-57-3 | 14448800 | 99% | 200.1 µg/mL | +/- 8.9754 |
| 8 | trans-Chlordane | 5103-74-2 | 32943 | 98% | 199.9 µg/mL | +/- 8.9696 |
| 9 | cis-Chlordane | 5103-71-9 | 31766 | 98% | 200.1 µg/mL | +/- 8.9762 |
| 10 | Endosulfan I | 959-98-8 | BCCF4060 | 99% | 200.1 µg/mL | +/- 8.9754 |
| 11 | 4,4'-DDE | 72-55-9 | GHYQG | 99% | 200.1 µg/mL | +/- 8.9777 |
| 12 | Dieldrin | 60-57-1 | 11129900 | 98% | 200.0 µg/mL | +/- 8.9718 |
| 13 | Endrin | 72-20-8 | 14123200 | 98% | 199.9 µg/mL | +/- 8.9696 |
| 14 | 4,4'-DDD | 72-54-8 | HAN02 | 99% | 200.1 µg/mL | +/- 8.9777 |
| 15 | Endosulfan II | 33213-65-9 | 14374700 | 99% | 200.0 µg/mL | +/- 8.9732 |
| 16 | 4,4'-DDT | 50-29-3 | 230410JLMA | 98% | 200.0 µg/mL | +/- 8.9718 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17 | Endrin aldehyde | 7421-93-4 | 30720 | 98% | 200.1 | µg/mL | +/- 8.9784 |
| 18 | Endosulfan sulfate | 1031-07-8 | BCCH9010 | 99% | 200.0 | µg/mL | +/- 8.9732 |
| 19 | Methoxychlor | 72-43-5 | 13668200 | 99% | 200.1 | µg/mL | +/- 8.9777 |
| 20 | Endrin ketone | 53494-70-5 | 1-ABS-16-7 | 98% | 200.0 | µg/mL | +/- 8.9740 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)
**CAS #** 110-54-3/108-88-3
**Purity** 99%

P 13039 5
↓
P 13043 1
12/26/23

## Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
150°C to 300°C
@ 4°C/min. ( hold 5 min.)

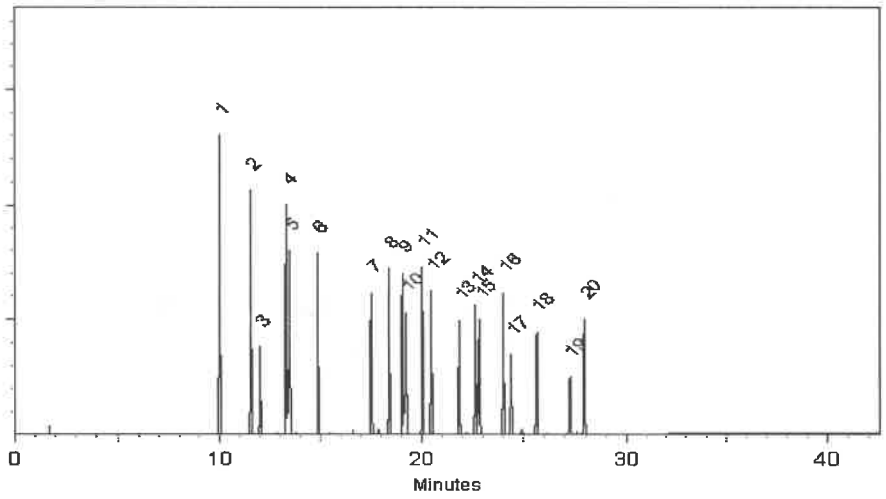
**Inj. Temp:**
200°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
Split ratio 50:1

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

**Date Mixed:** 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 23-Jun-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 79136
Lot Number: 102821
Description: Mirex

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

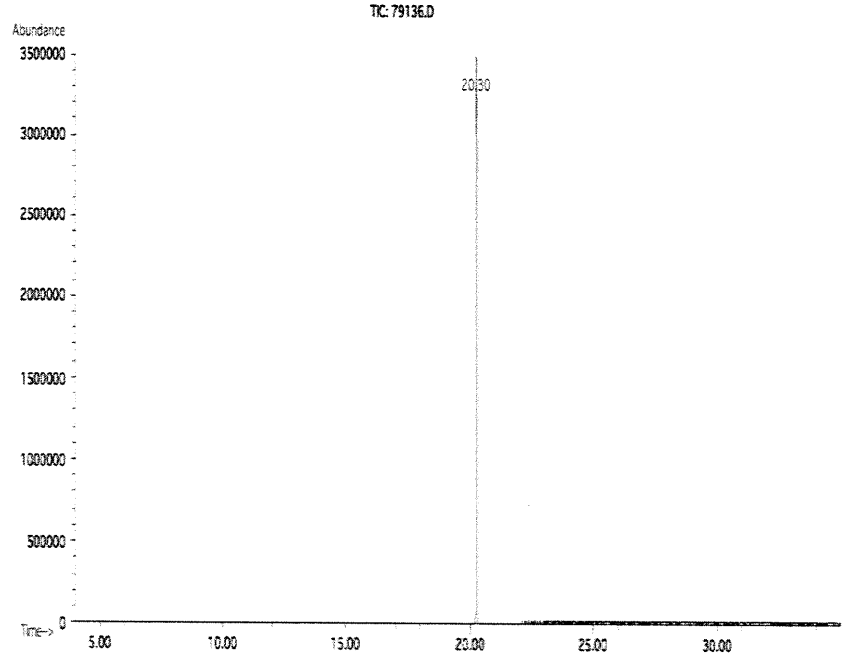
**Solvent(s):** **Lot#**
Acetone 81025

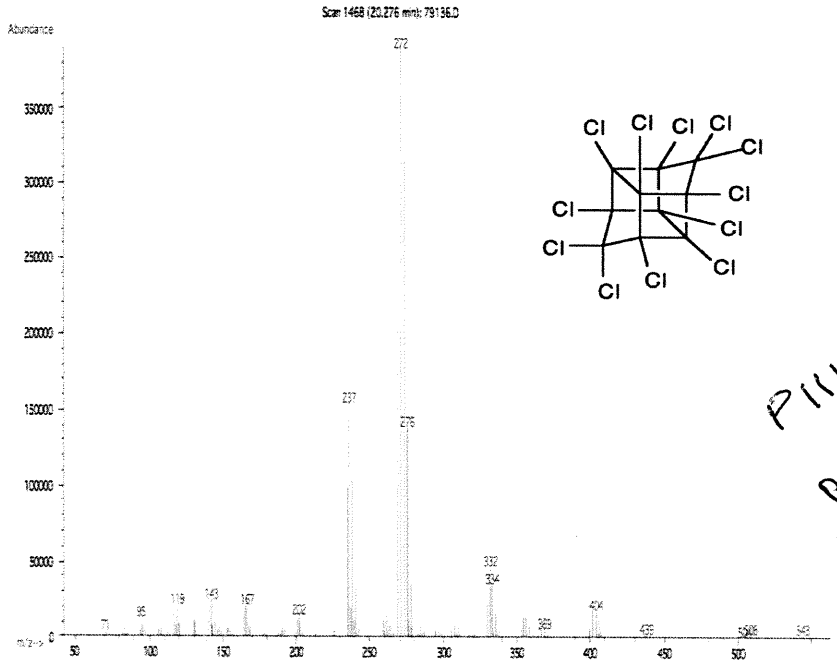
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

| | | |
|---|---|---|
| Eli Aliaga | 102821 |
| Formulated By: Eli Aliaga | DATE |
| Pedro Rentas | 102821 |
| Reviewed By: Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Mirex | 437 | 9492400 | 1000 | 99.4 | 0.5 | 0.05034 | 0.05039 | 1000.9 | 10.3 | 2385-85-5 | N/A | orl-rat 306mg/kg |

**Method GC7MSD-1.M**: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.







P11142 To P11146
AR 11/02/21

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P 13034 ↓ P 13038 5

12.26.2023

**Catalog No. :** 32291 **Lot No.:** A0200423

**Description :** Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | alpha-BHC | 319-84-6 | 14434500 | 99% | 200.5 µg/mL | +/- 8.9956 |
| 2 | gamma-BHC (Lindane) | 58-89-9 | 14184400 | 98% | 199.9 µg/mL | +/- 8.9696 |
| 3 | beta-BHC | 319-85-7 | BCCC6425 | 99% | 200.0 µg/mL | +/- 8.9732 |
| 4 | delta-BHC | 319-86-8 | 14450800 | 98% | 199.9 µg/mL | +/- 8.9696 |
| 5 | Heptachlor | 76-44-8 | 813251 | 99% | 202.0 µg/mL | +/- 9.0629 |
| 6 | Aldrin | 309-00-2 | 14389400 | 98% | 200.9 µg/mL | +/- 9.0136 |
| 7 | Heptachlor epoxide (isomer B) | 1024-57-3 | 14448800 | 99% | 200.0 µg/mL | +/- 8.9732 |
| 8 | trans-Chlordane | 5103-74-2 | 34616 | 99% | 200.5 µg/mL | +/- 8.9956 |
| 9 | cis-Chlordane | 5103-71-9 | 31766 | 98% | 201.4 µg/mL | +/- 9.0356 |
| 10 | Endosulfan I | 959-98-8 | BCCF4060 | 99% | 200.0 µg/mL | +/- 8.9732 |
| 11 | 4,4'-DDE | 72-55-9 | GHYQG | 99% | 201.5 µg/mL | +/- 9.0405 |
| 12 | Dieldrin | 60-57-1 | 14515000 | 98% | 199.9 µg/mL | +/- 8.9696 |
| 13 | Endrin | 72-20-8 | 14485300 | 98% | 200.4 µg/mL | +/- 8.9916 |
| 14 | 4,4'-DDD | 72-54-8 | HAN02 | 99% | 200.5 µg/mL | +/- 8.9956 |
| 15 | Endosulfan II | 33213-65-9 | 14374700 | 99% | 200.0 µg/mL | +/- 8.9732 |
| 16 | 4,4'-DDT | 50-29-3 | 230410JLMA | 98% | 201.9 µg/mL | +/- 9.0575 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17 | Endrin aldehyde | 7421-93-4 | 30720 | 98% | 201.4 | µg/mL | +/- 9.0356 |
| 18 | Endosulfan sulfate | 1031-07-8 | BCCH9010 | 99% | 200.5 | µg/mL | +/- 8.9956 |
| 19 | Methoxychlor | 72-43-5 | 14563200 | 98% | 200.9 | µg/mL | +/- 9.0136 |
| 20 | Endrin ketone | 53494-70-5 | 14537700 | 98% | 199.9 | µg/mL | +/- 8.9696 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)
**CAS #** 110-54-3/108-88-3
**Purity** 99%

P13034 ) 5
↓
P13038 1

12/26/2023

## Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
150°C to 300°C
@ 4°C/min. ( hold 5 min.)

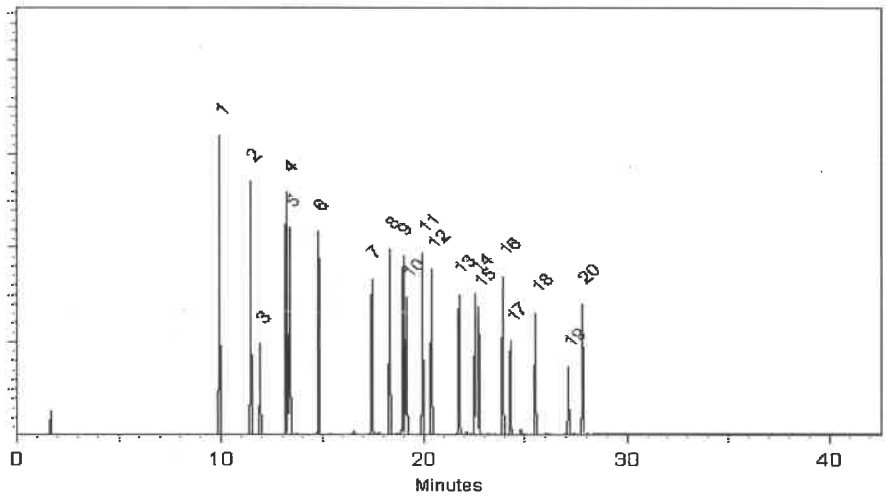
**Inj. Temp:**
200°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
Split ratio 50:1

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 03-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 19161
**Lot Number:** 013124
**Description:** CLP Pesticides & PCB's Resolution Check Standard
9 components

| Solvent(s): | Lot# | |
|---|---|---|
| Hexane | 273615 | (50%) |
| Toluene | 28508 | (50%) |

**Expiration Date:** 013129
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** Varied
**NIST Test ID#:** 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 013124 DATE |
| Reviewed By: | Pedro L. Rentas | 013124 DATE |

| | Compound | Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(ug/mL) | Final Conc.(ug/mL) | Expanded Uncertainty (+/-) µg/mL | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | trans-Chlordane | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 101.3 | 1.0 | 0.02 | 5103-74-2 | 0.5mg/m3 (skin) | orl-rat 500mg/kg |
| 2. | Endosulfan I | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 101.3 | 1.0 | 0.02 | 959-98-8 | 0.1mg/m3 (skin) | orl-rat 18mg/kg |
| 3. | 4,4'-DDE | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 201.6 | 2.0 | 0.03 | 72-55-9 | N/A | orl-rat 880mg/kg |
| 4. | Dieldrin | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.8 | 2.0 | 0.03 | 60-57-1 | 0.25mg/m3 (skin) | orl-rat 38300ug/kg |
| 5. | Endosulfan sulfate | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 204.2 | 2.0 | 0.03 | 1031-07-8 | N/A | orl-rat 18mg/kg |
| 6. | Endrin ketone | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.6 | 2.0 | 0.03 | 53494-70-5 | N/A | N/A |
| 7. | 4,4'-Methoxychlor | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 1000.7 | 10.0 | 0.09 | 72-43-5 | 10mg/m3 | orl-rat 6000mg/kg |
| 8. | 2,4,5,6-Tetrachloro-m-xylene | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.6 | 2.0 | 0.03 | 877-09-8 | N/A | N/A |
| 9. | Decachlorobiphenyl (209) | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.0 | 2.0 | 0.03 | 2051-24-3 | N/A | N/A |

P13243 } (5)
thru
P13247

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P13348 ↓ P13357 (10)

04/25/2024

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8 | RP220407 | 99% | 200.3 µg/mL | +/- 11.1143 |
| 2 | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638 | 99% | 200.6 µg/mL | +/- 11.1298 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone
**CAS #** 67-64-1
**Purity** 99%

**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

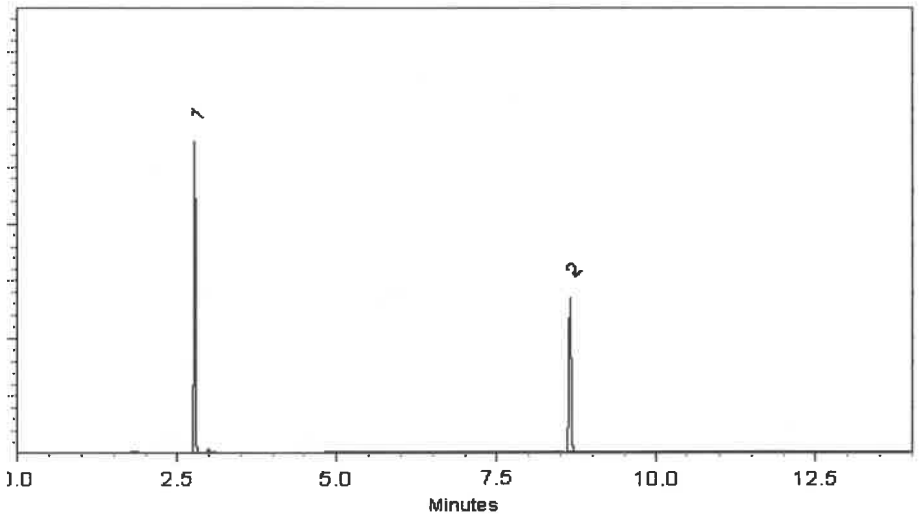
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P13348 (10)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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P13348 ↓ P13357 (10)

04/25/2024

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8 | RP220407 | 99% | 200.3 µg/mL | +/- 11.1143 |
| 2 | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638 | 99% | 200.6 µg/mL | +/- 11.1298 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone
**CAS #** 67-64-1
**Purity** 99%

**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

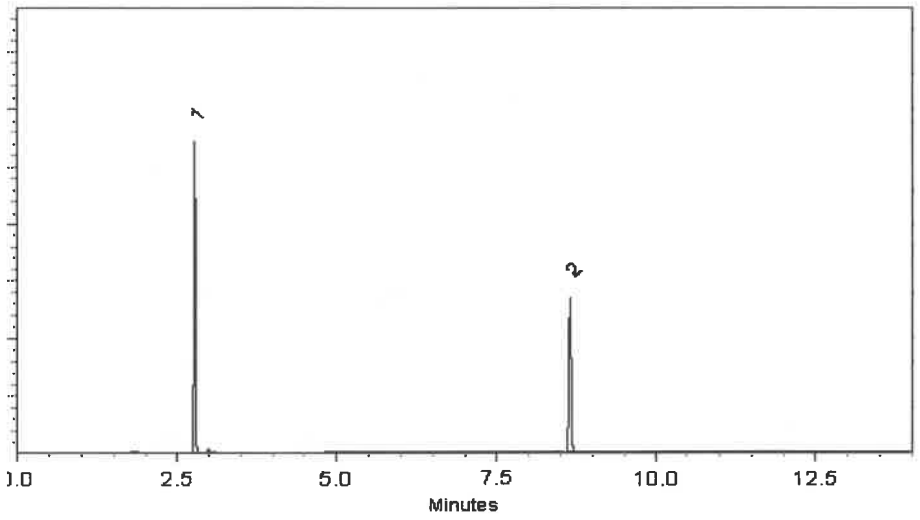
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P13348 (10)

↓

P13357

04/25/2025

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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P13348 ↓ P13357 (10)

04/25/2024

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8 | RP220407 | 99% | 200.3 µg/mL | +/- 11.1143 |
| 2 | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638 | 99% | 200.6 µg/mL | +/- 11.1298 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone
**CAS #** 67-64-1
**Purity** 99%

**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

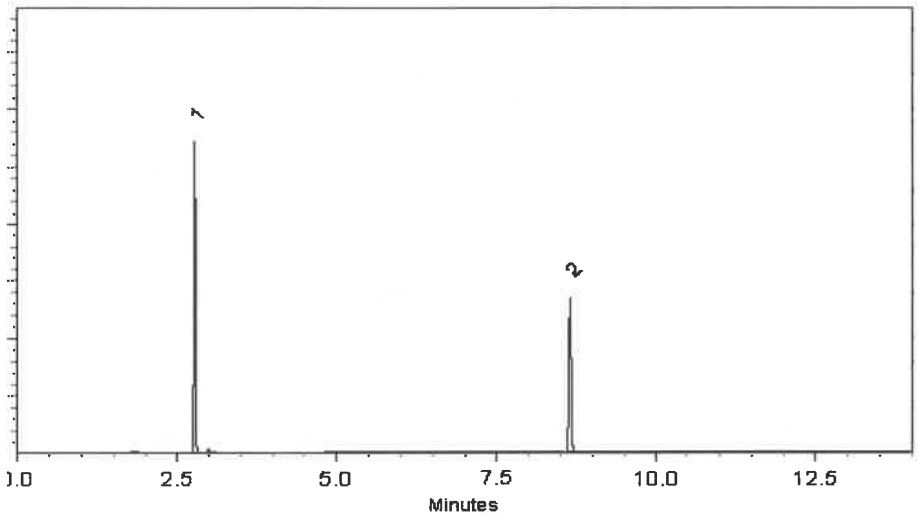
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P13348 (10)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32005 **Lot No.:** A0203038

**Description :** Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Toxaphene | 8001-35-2 | 1051817 | ----% | 1,009.0 µg/mL | +/- 55.9920 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P13358 (12)
↓
P13369

05-06-2024

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

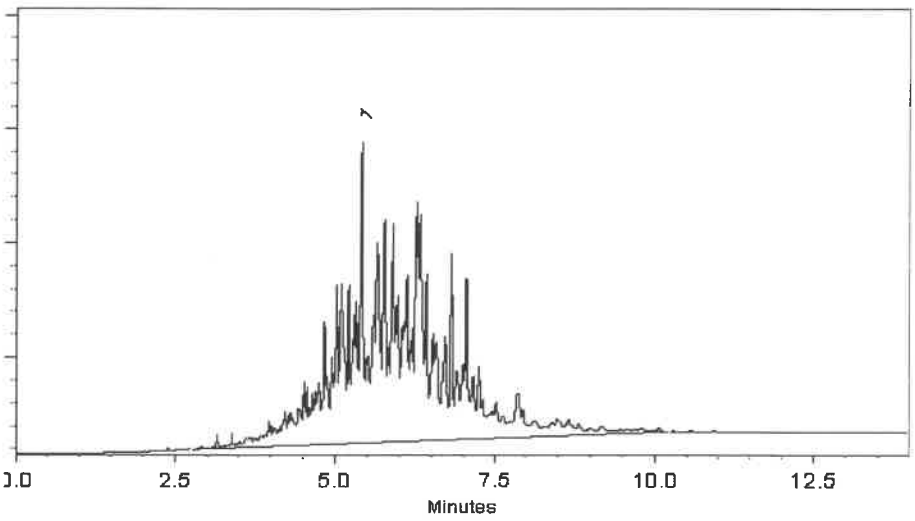
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
300 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P13358 (12)

P13369

05-06-2024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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P13402 & P13406 (5)

5/22/2024

**Catalog No. :** 32005 **Lot No.:** A0203038

**Description :** Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Toxaphene | 8001-35-2 | 1051817 | ----% | 1,009.0 µg/mL | +/- 55.9920 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

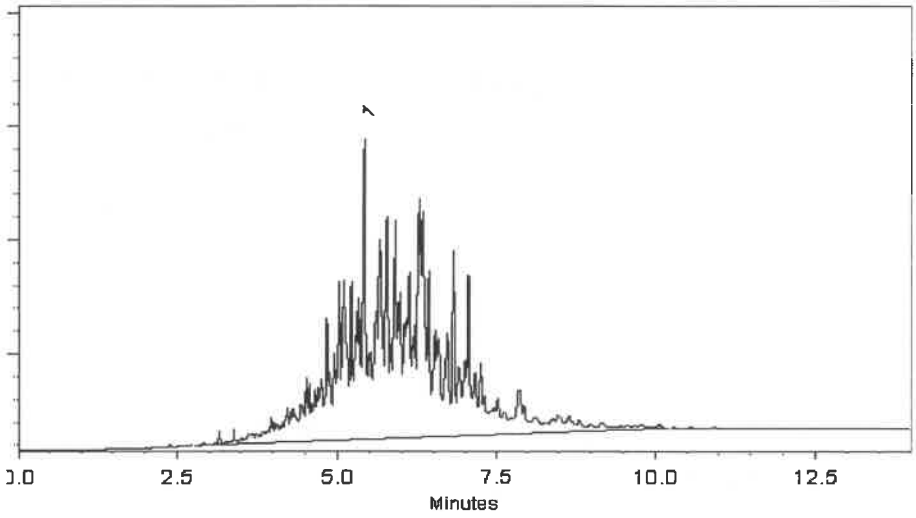
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
300 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P13402
↓
P13406
5

5/22/2024


# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4732
QUOTE NO.
COC Number 2041043

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Fusino & Sons
ADDRESS: 250 Chestnut Ridge Rd
CITY Wood Cliff Lake STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: Tiger - Contaminated PPE
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

### CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX (RUSH) 10 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### 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 / TCLP VOC
2 Total SVOC
3 Total Metals
4 Ignitability/PCB
5 Corrosivity
6 React to Sulfide + CN
7 TCLP Metals/TCLP SVOC
8 TCLP Herbicide
9 TCLP Pesticide

| CHEMTECH 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. | PPE - Grab | Solid | | X | 11.6.24 | 918 | 2 | X | | | | | | | | | A = 26.7 ppm |
| 2. | PPE - Comp | 1 | X | | 1 | 944 | 6 | | X | X | X | X | X | X | X | X | B = 2.5 |
| 3. | | | | | | | | | | | | | | | | | C = 29.8 |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

PRESERVATIVES: E E E E E E E E E
← 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. JT | 1030 11.6.24 | 1. |
| 2. | | 2. |
| 3. JT | 1215 11.6.24 | 3. |

Conditions of bottles or coolers at receipt: ☑ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: 4th Drum was empty
PID Calibrated 11.6.24 - onsite
Extra Material collected if needed

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2023

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Tiger - Contaminated PPE
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site: Furino Cons. Parking lot
Site Address: 250 Chestnut Ridge Rd Woodcliff Lk

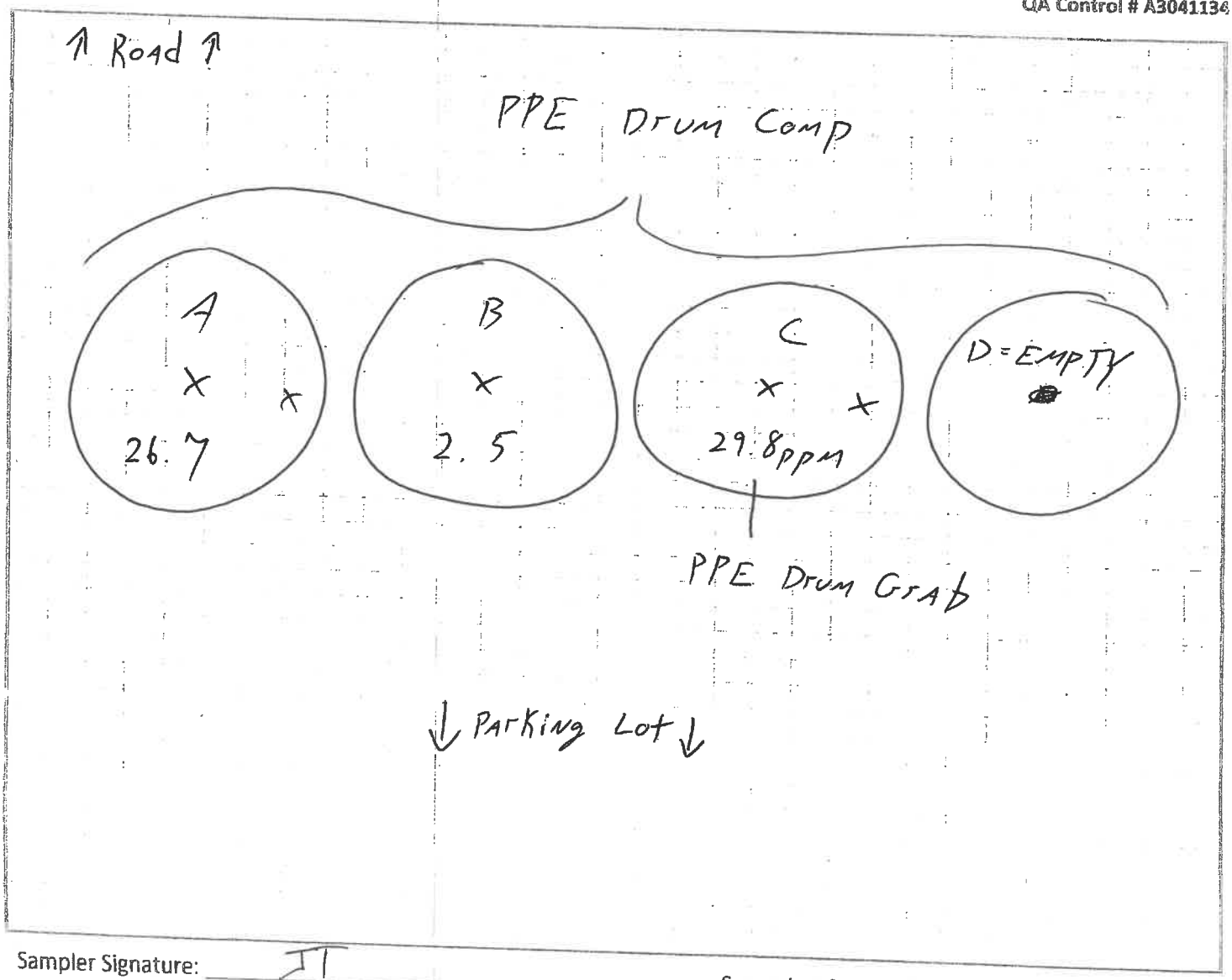
Chemtech Order ID:
Sampler Name: IT
Client Project Coordinator & Phone: Brian
Page #: 1 of 1
Date: 11.6.24
Arrive Time: 900
Depart Time: 1030

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: NA
Dimensions/CY: NA
Temp (range): 3.2 °C PID Readings (range): 2.1 - 29.8 PPM Odor: Y / N Color: Y / N
Sample Description: Used PPE
Field Observations: 3 Drums (4th Drum empty)

Grid/Area Composite Map:

QA Control # A3041134




Sampler Signature: IT
Client Signature:
Supervisor Review/Date:
Date/Time Arrived at Lab:

**Clean Earth Sampling Protocol**
**North Jersey**

| PARAMETERS | | TOTAL VOLATILE ORGANICS | TOTAL SEMI-VOLATILE ORGANICS | TOTAL METALS - 8 RCRA + Be, Ni, Cu, Zn and Cr+6 | TCLP METALS - 8 RCRA + Be, Ni, Cu & Zn) | IGNITABILITY | CORROSIVITY (pH) | REACTIVITY - SULFIDE AND CYANIDE | PCBs | TCLP VOLATILE ORGANICS | TCLP SEMI-VOLATILE ORGANICS | TCLP HERBICIDES | TCLP PESTICIDES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **METHODS (1)** | | 8260B | 8270D | 6010/7471/ 7196 | 1311/6010/ 7470A | 1030 or 1010A | 9040C or 9045D | SW846 CHAPTER 7.3 | 8082A | 1311/ 8260B | 1311/ 8270D | 1311/ 8151A | 1311/ 8081B |
| | **FREQUENCY** | | | | | | | | | | | | |
| **CENJ Waste Streams** | Grab Sample every 750 tons | X | | | | | | | | X | | | |
| | 5 point composite sample every 750 tons | | X | X | X | X | X | X | X | | X | X | X |

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should be utilized by the laboratory.
This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based on items such as site history, levels of contamination and/or source of contamination, etc..

**CENJ Specific compounds - ** Please note that Clean Earth of North Jersey (CENJ) requires that the compounds identified below be assessed/reported for all projects. The concentrations of the compounds cannot exceed the limits identified below. The analysis must include the compounds below OR the generator must certify that the compounds do not exceed the limits below based on generator knowledge.**

| COMPOUND | Concentration (PPMW) |
|---|---|
| Arsenic | ≤ 4,000 |
| Cadmium | ≤ 4,000 |
| Lead | ≤ 80,000 |
| Mercury | ≤ 80 |
| Beryllium | ≤ 800 |
| Nickel | ≤ 80,000 |
| Benzene | ≤ 400 |
| Chlorobenzene | ≤ 400 |
| Cumene (isopropylbenzene) | ≤ 960 |
| Ethylene Glycol | ≤ 56,000 |
| Methanol | ≤ 4,800 |
| Methylene Chloride (Dichloromethane) | ≤880 |
| Methyl Ethyl Ketone (2-Butanone, MEK) | ≤ 800 |
| Methyl Isobutyl Ketone (MIBK, 4-methyl-2-Pentanone) | ≤ 1,360 |
| Phenol | ≤ 1,360 |
| Tetrachloroethylene (PCE, perchloroethylene) | ≤ 400 |
| Toluene | ≤ 560 |
| Trichloroethylene (TCE) | ≤ 480 |
| Xylene | ≤ 1,200 |
| Hexavalent Chromium (Chromium +6, Cr+6, CrVI) | ≤ 21,400 |

CHEMTECH 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 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P4732 FURI01
**Client Name :** Furino and Sons, Inc.
**Client Contact :** Brian Ferranti
**Invoice Name :** Furino and Sons, Inc.
**Invoice Contact :** Brian Ferranti

**Order Date :** 11/6/2024 12:32:55 PM
**Project Name :** PPE Contamination
**Receive DateTime :** 11/6/2024 12:15:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 1
**EDD Type :** ADR
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| P4732-04 | PPE-Grab | Solid | 11/06/2024 | 09:18 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |

**Relinguished By :** JT
**Date / Time :** 11·6·24 1350

**Received By :**
**Date / Time :** 11·6·24 13:50
**Storage Area :** VOA Refridgerator Room