284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# DATA PACKAGE

## GC SEMI-VOLATILES

**PROJECT NAME : NJ SOIL PT**

**ALLIANCE TECHNICAL GROUP, LLC - NEWARK**

**284 Sheffiled Stree**

**Suite 1**

**Mountainside, NJ - 07092**

**Phone No: 908-789-8900**

**ORDER ID : Q1872**

**ATTENTION : Mohammad Ahmed**

**Laboratory Certification ID # 20012**

Table Of Contents for Q1872


1) PCB Data 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 13

9) QC Data Summary For PCB 14

- 9.1) Deuterated Monitoring Compound Summary 15
- 9.2) MS/MSD Summary 17
- 9.3) LCS/LCSD Summary 19
- 9.4) Method Blank Summary 21

10) Sample Data 23

- 10.1) HW0425-PT-PCB-SOIL 24
- 10.2) HW0425-PT-PCB-SOILDL 30
- 10.3) HW0425-PT-PCBO-SOIL 36

11) Calibration Data Summary 42

- 11.1) Initial Calibration Data 43
  - 11.1.1) PP051925 43
  - 11.1.2) PP052425 292
- 11.2) Continued Calibration Data 326
  - 11.2.1) PP072307.D 326
  - 11.2.2) PP072322.D 338
  - 11.2.3) PP072347.D 350
  - 11.2.4) PP072348.D 362
  - 11.2.5) PP072356.D 371
  - 11.2.6) PP072357.D 383
  - 11.2.7) PP072404.D 392
  - 11.2.8) PP072405.D 404
  - 11.2.9) PP072419.D 413
  - 11.2.10) PP072420.D 425
- 11.3) Analytical Seq 434

12) Compound Detection Summary 438

13) QC Sample Data 445

13.1) Method Blank Data 446
13.2) PIBLK Data 454
13.3) LCS Data 486
13.4) MS Data 504
13.5) MSD Data 513
14) Manual Integration 522
15) Analytical Runlogs 528
16) Percent Solid 543
17) Extraction Logs 553
17.1) PB168149.pdf 553
17.2) PB168149IC.pdf 555
17.3) PB168154.pdf 556
17.4) PB168154IC.pdf 558
18) Standard Prep Logs 559
19) Shipping Document 645
19.1) Chain Of Custody 646
19.2) Lab Certificate 648

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

# Cover Page

**Order ID :** Q1872

**Project ID :** NJ Soil PT

**Client :** Alliance Technical Group, LLC - Newark

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1872-01 | HW0425-PT-AN-SOIL |
| Q1872-02 | HW0425-PT-CORR-SOIL |
| Q1872-03 | HW0425-PT-CN-SOIL |
| Q1872-04 | HW0425-PT-CN-SOIL |
| Q1872-05 | HW0425-PT-FP-SOIL |
| Q1872-06 | HW0425-PT-CR6-SOIL |
| Q1872-07 | HW0425-PT-NUT-SOIL |
| Q1872-08 | HW0425-PT-NUT-SOIL |
| Q1872-09 | HW0425-PT-OGR-SOIL |
| Q1872-10 | HW0425-PT-MET-SOIL |
| Q1872-11 | HW0425-PT-BNA-SOIL |
| Q1872-12 | HW0425-PT-TRIAZINE-SOIL |
| Q1872-13 | HW0425-PT-PAH-SOIL |
| Q1872-14 | HW0425-PT-DIES-SOIL |
| Q1872-15 | HW0425-PT-GAS-SOIL |
| Q1872-16 | HW0425-PT-NJEPH-SOIL |
| Q1872-17 | HW0425-PT-HERB-SOIL |
| Q1872-18 | HW0425-PT-PCB-SOIL |
| Q1872-19 | HW0425-PT-PCBO-SOIL |
| Q1872-20 | HW0425-PT-PEST-SOIL |
| Q1872-21 | HW0425-PT-CHLR-SOIL |
| Q1872-22 | HW0425-PT-TXP-SOIL |
| Q1872-23 | HW0425-PT-VOA-SOIL |
| Q1872-24 | HW0425-PT-SOL-SOIL |
| Q1872-25 | HW0425-PT-NO2-SOIL |

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: 6/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Alliance Technical Group, LLC - Newark**
**Project Name: NJ Soil PT**
**Project # N/A**
**Order ID # Q1872**
**Test Name: PCB**

**A. Number of Samples and Date of Receipt:**
24 Solid samples were received on 04/24/2025.
1 Solid sample was received on 04/28/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS and VOCMS Group1. This data package contains results for PCB.

**C. Analytical Techniques:**
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for HW0425-PT-PCB-SOILDL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) - 0% and Tetrachloro-m-xylene(2) - 0%]Surrogates were diluted out due to the high dilution. No further corrective action was taken.

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 .

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The Continuous Calibration met the requirements .

Sample HW0425-PT-PCB-SOIL was diluted due to high concentration.

**E. Additional Comments:**
The soil samples results are based on a dry weight basis.

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

---

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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## GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1872 MATRIX: Solid

METHOD: 8082A/3541

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified. | | | ✓ |
| 2. | Standard Summary Submitted. | | | ✓ |
| 3. | Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.<br><br>The Initial Calibration met the requirements .<br><br>The Continuous Calibration met the requirements . | | | ✓ |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 5. | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges.<br><br>The Surrogate recoveries met the acceptable criteria except for HW0425-PT-PCB-SOILDL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) - 0% and Tetrachloro-m-xylene(2) - 0%]Surrogates were diluted out due to the high dilution. No further corrective action was taken. | | ✓ | |
| 6. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br><br>The MS recoveries met the requirements for all compounds .<br><br>The MSD recoveries met the acceptable requirements .<br><br>The Blank Spike met requirements for all samples .<br><br>The RPD met criteria . | | | ✓ |
| 7. | Retention Time Shift Meet Criteria (if applicable)<br><br>Comments: | | | ✓ |
| 8. | Extraction Holding Time Met<br><br>If not met, list number of days exceeded for each sample: | | ✓ | |

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

| | | NA | NO | YES |
|---|---|---|---|---|
| 9. | Analysis Holding Time Met | | ✓ | |

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

Sample HW0425-PT-PCB-SOIL was diluted due to high concentration.

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

_____ _____

QA REVIEW Date

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q1872

| | 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:** 06/26/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1872 | **OrderDate:** | 4/24/2025 1:26:50 PM |
| **Client:** | Alliance Technical Group, LLC - Newark | **Project:** | NJ Soil PT |
| **Contact:** | Mohammad Ahmed | **Location:** | QA Office,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1872-14** | **HW0425-PT-DIES-SOIL** | **SOIL** | | | **04/25/25** | | | **04/28/25** |
| | | | Diesel Range Organics | 8015D | | 05/13/25 | 05/13/25 | |
| **Q1872-15** | **HW0425-PT-GAS-SOIL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | Gasoline Range Organics | 8015D | | | 04/29/25 | |
| **Q1872-16** | **HW0425-PT-NJEPH-SOIL** | **Solid** | | | **04/21/25** | | | **04/24/25** |
| | | | EPH | NJEPH | | 05/07/25 | 05/08/25 | |
| **Q1872-17** | **HW0425-PT-HERB-SOIL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | Herbicide Group1 | 8151A | | 05/30/25 | 06/04/25 | |
| **Q1872-17DL** | **HW0425-PT-HERB-SOILDL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | Herbicide Group1 | 8151A | | 05/30/25 | 06/04/25 | |
| **Q1872-18** | **HW0425-PT-PCB-SOIL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | PCB | 8082A | | 05/23/25 | 05/24/25 | |
| **Q1872-18DL** | **HW0425-PT-PCB-SOILDL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | PCB | 8082A | | 05/23/25 | 05/24/25 | |
| **Q1872-19** | **HW0425-PT-PCBO-SOIL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | PCB | 8082A | | 05/28/25 | 05/28/25 | |
| **Q1872-20** | **HW0425-PT-PEST-SOIL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | PESTICIDE Group1 | 8081B | | 05/23/25 | 05/27/25 | |

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## LAB CHRONICLE

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Q1872-20DL** | **HW0425-PT-PEST-SOI LDL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | PESTICIDE Group1 | 8081B | | 05/23/25 | 05/27/25 | |
| **Q1872-21** | **HW0425-PT-CHLR-SO IL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | PESTICIDE Group2 | 8081B | | 05/23/25 | 05/27/25 | |
| **Q1872-22** | **HW0425-PT-TXP-SOIL** | **SOIL** | | | **04/21/25** | | | **04/24/25** |
| | | | PESTICIDE Group3 | 8081B | | 05/23/25 | 05/29/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1872 **Order ID:** Q1872

**Client:** Alliance Technical Group, LLC - Newark **Project ID:** Q2200

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : HW0425-PT-PCB-SOIL** | | | | | | | | |
| Q1872-18 | HW0425-PT-PCB-SO | SOIL | Aroclor-1221 | 7000 | E | 4.00 | 17.0 | ug/kg |
| | | | **Total Concentration:** | **7,000.000** | | | | |
| **Client ID : HW0425-PT-PCB-SOILDL** | | | | | | | | |
| Q1872-18DL | HW0425-PT-PCB-SO | SOIL | Aroclor-1221 | 9500 | D | 201 | 849 | ug/kg |
| | | | **Total Concentration:** | **9,500.000** | | | | |
| **Client ID : HW0425-PT-PCBO-SOIL** | | | | | | | | |
| Q1872-19 | HW0425-PT-PCBO-S | SOIL | Aroclor-1221 | 7000 | | 115 | 486 | ug/kg |
| | | | **Total Concentration:** | **7,000.000** | | | | |

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q1872

**Client:** Alliance Technical Group, LLC - Newark

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PP072163.D | PIBLK-PP072163.D | Tetrachloro-m-xylene | 1 | 20 | 16.3 | 82 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 16.7 | 84 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 16.6 | 83 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 17.0 | 85 | | 60 | 140 |
| I.BLK-PP072312.D | PIBLK-PP072312.D | Tetrachloro-m-xylene | 1 | 20 | 18.4 | 92 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 20.3 | 101 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.8 | 99 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 21.7 | 109 | | 60 | 140 |
| PB168149BL | PB168149BL | Tetrachloro-m-xylene | 1 | 20 | 21.1 | 106 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 22.3 | 111 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.4 | 112 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 22.6 | 113 | | 32 | 175 |
| PB168149BS | PB168149BS | Tetrachloro-m-xylene | 1 | 20 | 21.5 | 108 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 22.7 | 113 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.2 | 106 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 24.4 | 122 | | 32 | 175 |
| Q2112-01MS | EO-03-05222025MS | Tetrachloro-m-xylene | 1 | 20 | 13.9 | 69 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 14.3 | 71 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.5 | 87 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 17.2 | 86 | | 32 | 175 |
| Q2112-01MSD | EO-03-05222025MSD | Tetrachloro-m-xylene | 1 | 20 | 14.7 | 74 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 14.3 | 72 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.6 | 88 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 17.0 | 85 | | 32 | 175 |
| I.BLK-PP072326.D | PIBLK-PP072326.D | Tetrachloro-m-xylene | 1 | 20 | 17.8 | 89 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 17.0 | 85 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.5 | 98 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 19.2 | 96 | | 60 | 140 |
| I.BLK-PP072340.D | PIBLK-PP072340.D | Tetrachloro-m-xylene | 1 | 20 | 17.7 | 88 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 17.7 | 88 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.9 | 94 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 20.6 | 103 | | 60 | 140 |
| I.BLK-PP072349.D | PIBLK-PP072349.D | Tetrachloro-m-xylene | 1 | 20 | 15.3 | 76 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 15.4 | 77 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 16.6 | 83 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 18.6 | 93 | | 60 | 140 |
| Q1872-18 | HW0425-PT-PCB-SOIL | Tetrachloro-m-xylene | 1 | 20 | 14.0 | 70 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 18.7 | 93 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.5 | 92 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 21.7 | 108 | | 32 | 175 |
| Q1872-18DL | HW0425-PT-PCB-SOILDL | Tetrachloro-m-xylene | 1 | 20 | 0 | 0 | * | 32 | 144 |

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## Surrogate Summary

**SDG No.:** Q1872

**Client:** Alliance Technical Group, LLC - Newark

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| Q1872-18DL | HW0425-PT-PCB-SOILDL | Decachlorobiphenyl | 1 | 20 | 0 | 0 | * | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 0 | 0 | * | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 0 | 0 | * | 32 | 175 |
| I.BLK-PP072358.D | PIBLK-PP072358.D | Tetrachloro-m-xylene | 1 | 20 | 15.3 | 77 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 15.8 | 79 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 16.5 | 82 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 18.3 | 92 | | 60 | 140 |
| I.BLK-PP072410.D | PIBLK-PP072410.D | Tetrachloro-m-xylene | 1 | 20 | 16.7 | 84 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 18.1 | 90 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.3 | 91 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 20.3 | 102 | | 60 | 140 |
| PB168154BL | PB168154BL | Tetrachloro-m-xylene | 1 | 20 | 18.6 | 93 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 19.9 | 99 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.9 | 105 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 21.8 | 109 | | 32 | 175 |
| PB168154BS | PB168154BS | Tetrachloro-m-xylene | 1 | 20 | 18.8 | 94 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 19.6 | 98 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.2 | 96 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 23.0 | 115 | | 32 | 175 |
| Q1872-19 | HW0425-PT-PCBO-SOIL | Tetrachloro-m-xylene | 1 | 20 | 11.2 | 56 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 14.0 | 70 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 13.0 | 65 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 19.1 | 96 | | 32 | 175 |
| I.BLK-PP072423.D | PIBLK-PP072423.D | Tetrachloro-m-xylene | 1 | 20 | 15.8 | 79 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 17.0 | 85 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 16.0 | 80 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 19.0 | 95 | | 60 | 140 |

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Fax : 908 789 8922

## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1872 **Analytical Method:** 8082A

**Client:** Alliance Technical Group, LLC - Newark **DataFile :** PP072319.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:** | **EO-03-05222025MS** | | | | | | | | | | | |
| Q2112-01MS (Column 1) | AR1016 | 174.2 | 0 | 96.0 | ug/kg | 55 | | | | 55 | 146 | |
| | AR1260 | 174.2 | 0 | 94.1 | ug/kg | 54 | | | | 31 | 146 | |
| **Client Sample ID:** | **EO-03-05222025MS** | | | | | | | | | | | |
| Q2112-01MS (Column 2) | AR1016 | 174.2 | 0 | 122 | ug/kg | 70 | | | | 55 | 146 | |
| | AR1260 | 174.2 | 0 | 110 | ug/kg | 63 | | | | 31 | 146 | |

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Fax : 908 789 8922

## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1872 **Analytical Method:** 8082A

**Client:** Alliance Technical Group, LLC - Newark **DataFile :** PP072320.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:** | **EO-03-05222025MSD** | | | | | | | | | | | |
| Q2112-01MSD (Column 1) | AR1016 | 174.3 | 0 | 98.3 | ug/kg | 56 | | 2 | | 55 | 146 | 20 |
| | AR1260 | 174.3 | 0 | 92.4 | ug/kg | 53 | | 2 | | 31 | 146 | 20 |
| **Client Sample ID:** | **EO-03-05222025MSD** | | | | | | | | | | | |
| Q2112-01MSD (Column 2) | AR1016 | 174.3 | 0 | 120 | ug/kg | 69 | | 1 | | 55 | 146 | 20 |
| | AR1260 | 174.3 | 0 | 108 | ug/kg | 62 | | 2 | | 31 | 146 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1872 **Analytical Method:** 8082A

**Client:** Alliance Technical Group, LLC - Newark **Datafile :** PP072314.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168149BS (Column 1) | AR1016 | 166.6 | 124 | ug/kg | 74 | | | | 71 | 120 | |
| | AR1260 | 166.6 | 124 | ug/kg | 74 | | | | 65 | 130 | |
| PB168149BS (Column 2) | AR1016 | 166.6 | 125 | ug/kg | 75 | | | | 71 | 120 | |
| | AR1260 | 166.6 | 135 | ug/kg | 81 | | | | 65 | 130 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1872 **Analytical Method:** 8082A

**Client:** Alliance Technical Group, LLC - Newark **Datafile :** PP072412.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168154BS (Column 1) | AR1016 | 4951 | 3500 | ug/kg | 71 | | | | 71 | 120 | |
| | AR1260 | 4951 | 3500 | ug/kg | 71 | | | | 65 | 130 | |
| PB168154BS (Column 2) | AR1016 | 4951 | 3800 | ug/kg | 77 | | | | 71 | 120 | |
| | AR1260 | 4951 | 3800 | ug/kg | 77 | | | | 65 | 130 | |

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168149BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168149BL Lab File ID: PP072313.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/23/2025

Date Analyzed (1): 05/23/2025 Date Analyzed (2): 05/23/2025

Time Analyzed (1): 13:49 Time Analyzed (2): 13:49

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| PB168149BS | PB168149BS | PP072314.D | 05/23/2025 | 05/23/2025 |
| EO-03-05222025MS | Q2112-01MS | PP072319.D | 05/23/2025 | 05/23/2025 |
| EO-03-05222025MSD | Q2112-01MSD | PP072320.D | 05/23/2025 | 05/23/2025 |
| HW0425-PT-PCB-SOIL | Q1872-18 | PP072352.D | 05/24/2025 | 05/24/2025 |

COMMENTS:

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168154BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168154BL Lab File ID: PP072411.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/28/2025

Date Analyzed (1): 05/28/2025 Date Analyzed (2): 05/28/2025

Time Analyzed (1): 16:37 Time Analyzed (2): 16:37

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| PB168154BS | PB168154BS | PP072412.D | 05/28/2025 | 05/28/2025 |
| HW0425-PT-PCBO-SOIL | Q1872-19 | PP072413.D | 05/28/2025 | 05/28/2025 |

COMMENTS:

# SAMPLE DATA

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 04/21/25 |
| Project: | NJ Soil PT | Date Received: | 04/24/25 |
| Client Sample ID: | HW0425-PT-PCB-SOIL | SDG No.: | Q1872 |
| Lab Sample ID: | Q1872-18 | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072352.D | 1 | 05/23/25 09:18 | 05/24/25 04:31 | PB168149 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.90 | U | 3.90 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 7000 | E | 4.00 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.70 | U | 3.70 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 5.90 | U | 5.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.00 | U | 5.00 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 3.60 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.5 | | 32 - 144 | 92% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.7 | | 32 - 175 | 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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 04:31
Operator : YP\AJ
Sample : Q1872-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOIL

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:06:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.494 | 3.796 | 28125957 | 29523232 | 13.987m | 18.471 # |
| 2) | SA Decachlor... | 10.206 | 8.817 | 30403478 | 22955730 | 18.662 | 21.685 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.702 | 4.006 | 602.9E6 | 551.4E6 | 23063.914 | 20564.902 |
| 9) | L2 AR-1221-2 | 4.787 | 4.092 | 366.4E6 | 342.2E6 | 17959.518 | 16664.077 |
| 10) | L2 AR-1221-3 | 4.864 | 4.168 | 1315.2E6 | 1210.7E6 | 21739.500 | 20559.749 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 04:31
Operator : YP\AJ
Sample : Q1872-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

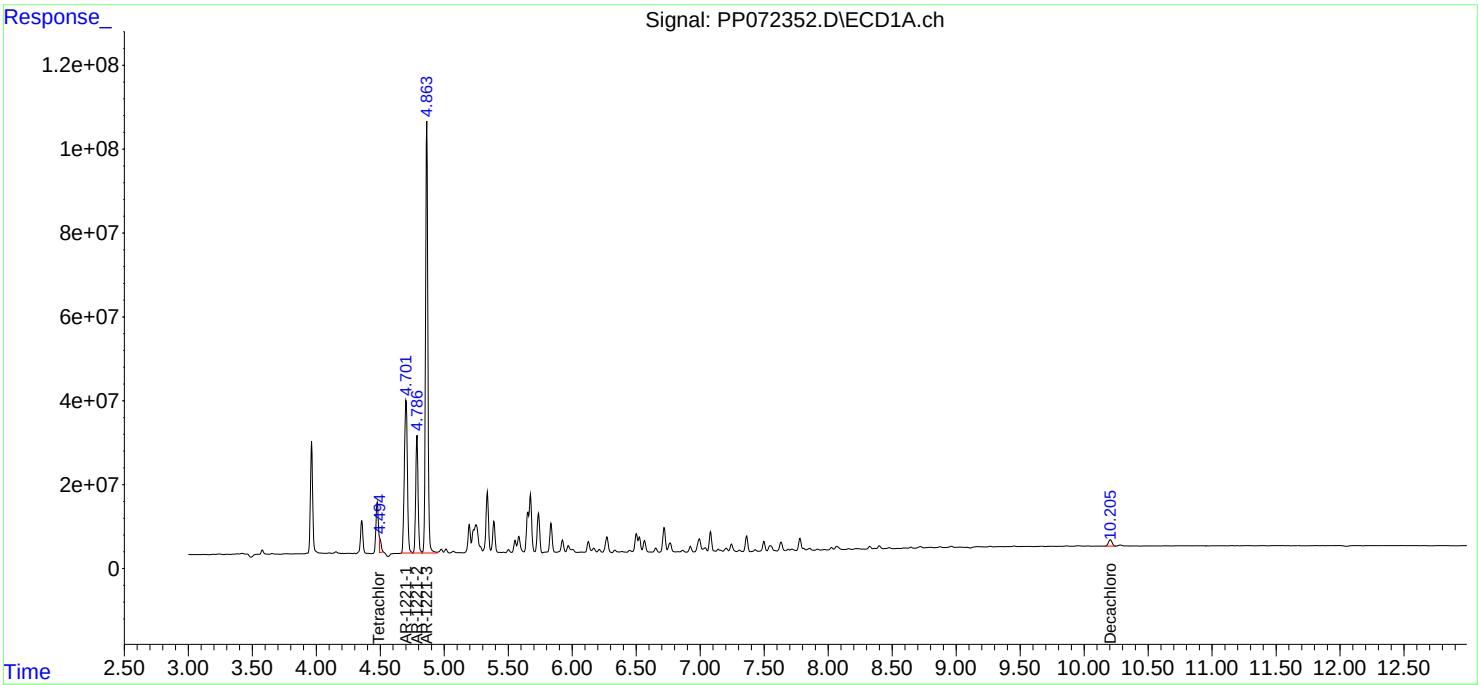
**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOIL

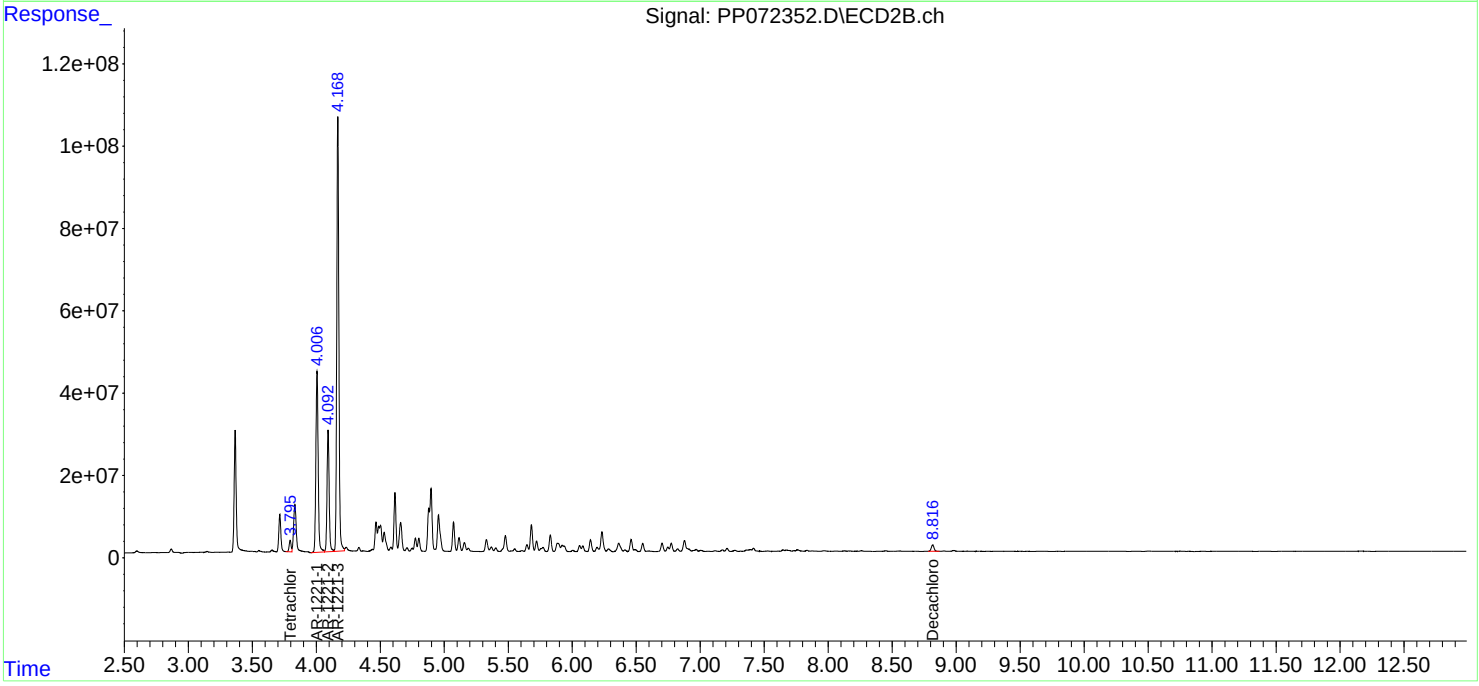
**Manual Integrations APPROVED**

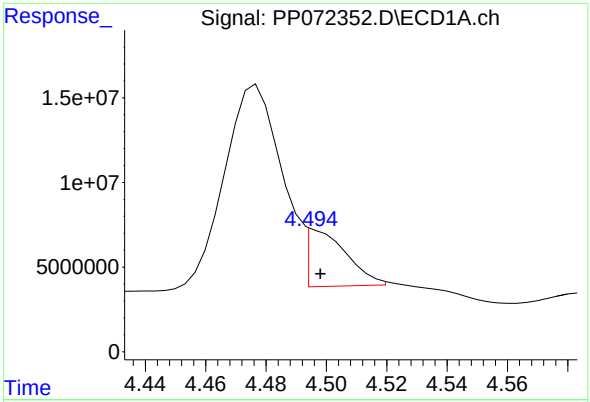
Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:06:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





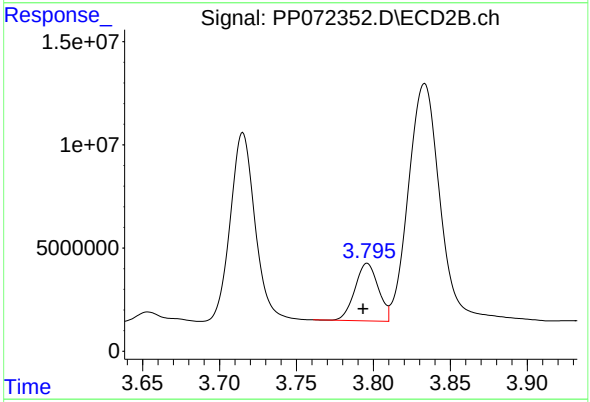

#1 Tetrachloro-m-xylene

R.T.: 4.494 min
Delta R.T.: -0.004 min
Response: 28125957
Conc: 13.99 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOIL

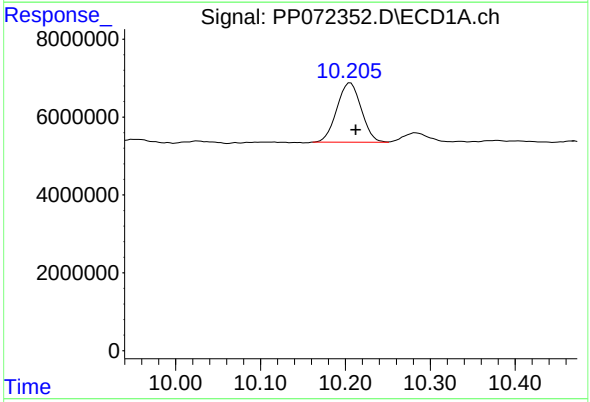
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



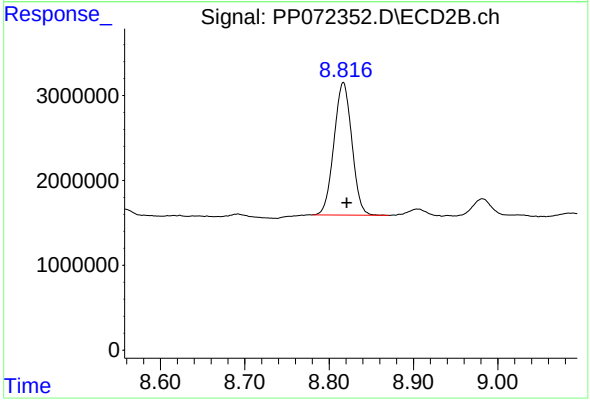

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 29523232
Conc: 18.47 ng/ml



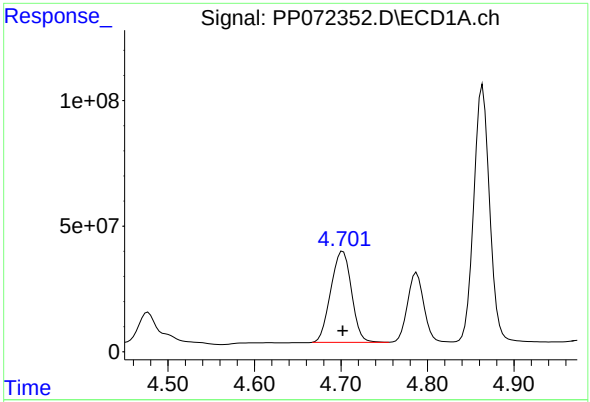

#2 Decachlorobiphenyl

R.T.: 10.206 min
Delta R.T.: -0.006 min
Response: 30403478
Conc: 18.66 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 22955730
Conc: 21.68 ng/ml



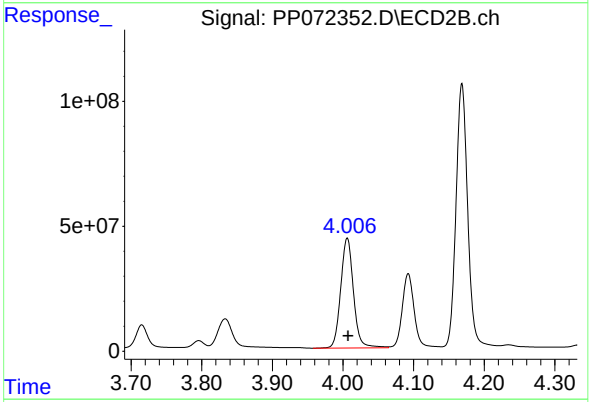

#8 AR-1221-1

R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 602940442
Conc: 23063.91 ng/

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOIL

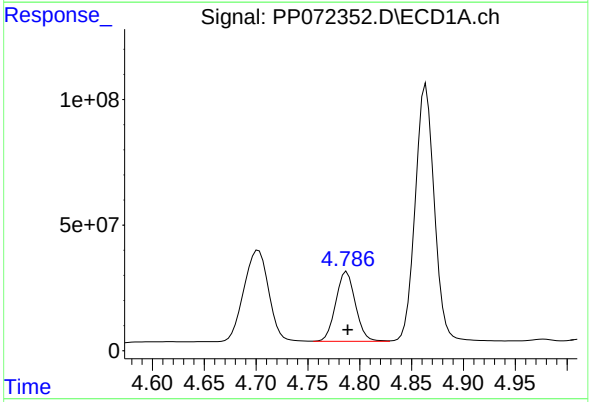
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



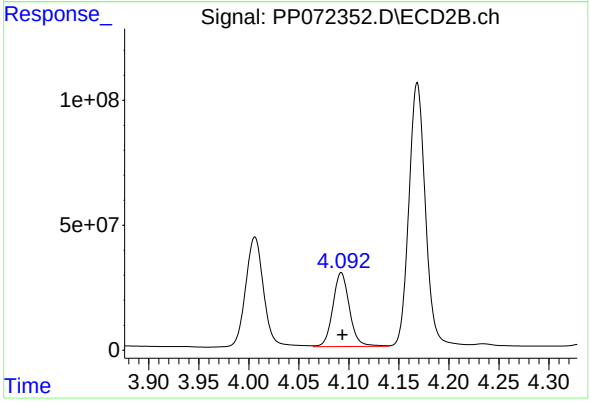

#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: -0.001 min
Response: 551350343
Conc: 20564.90 ng/ml



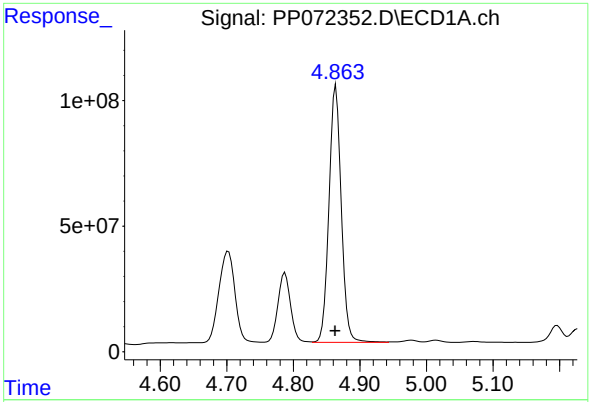

#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 366361443
Conc: 17959.52 ng/ml




#9 AR-1221-2

R.T.: 4.092 min
Delta R.T.: -0.001 min
Response: 342195651
Conc: 16664.08 ng/ml



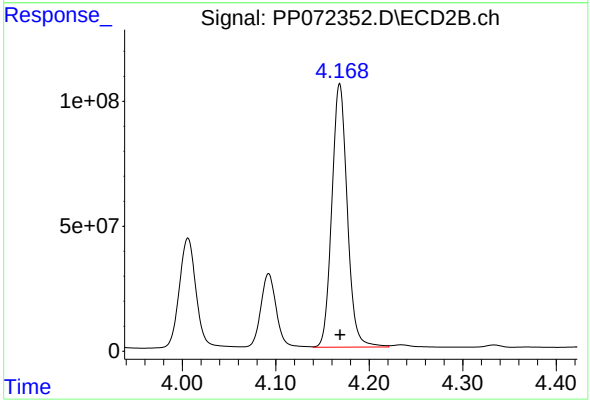

#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.001 min
Response: 1315227591
Conc: 21739.50 ng/

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOIL

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025




#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 1210716441
Conc: 20559.75 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 04/21/25 |
| Project: | NJ Soil PT | Date Received: | 04/24/25 |
| Client Sample ID: | HW0425-PT-PCB-SOILDL | SDG No.: | Q1872 |
| Lab Sample ID: | Q1872-18DL | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072355.D | 50 | 05/23/25 09:18 | 05/24/25 05:20 | PB168149 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 197 | UD | 197 | 849 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 9500 | D | 201 | 849 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 186 | UD | 186 | 849 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 200 | UD | 200 | 849 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 296 | UD | 296 | 849 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 160 | UD | 160 | 849 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 251 | UD | 251 | 849 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 180 | UD | 180 | 849 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 161 | UD | 161 | 849 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 0 | * | 32 - 144 | 0% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 0 | * | 32 - 175 | 0% | 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_P\Data\PP052425\
Data File : PP072355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:20
Operator : YP\AJ
Sample : Q1872-18DL 50X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOILDL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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 | | | | | | |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.702 | 4.006 | 15704733 | 16231771 | 600.744 | 605.431 |
| 9) | L2 AR-1221-2 | 4.787 | 4.092 | 10168186 | 10854007 | 498.458 | 528.563 |
| 10) | L2 AR-1221-3 | 4.863 | 4.168 | 36402360 | 34247952 | 601.697 | 581.581 |

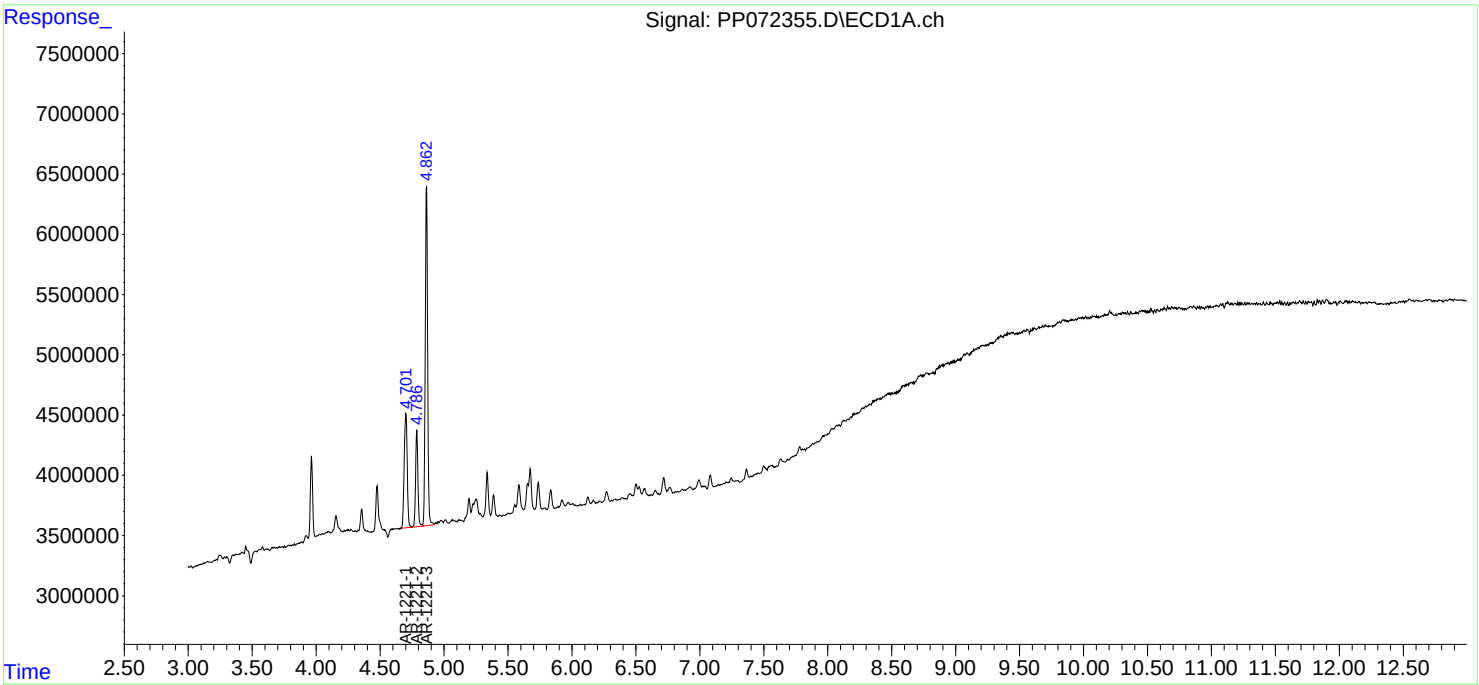
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

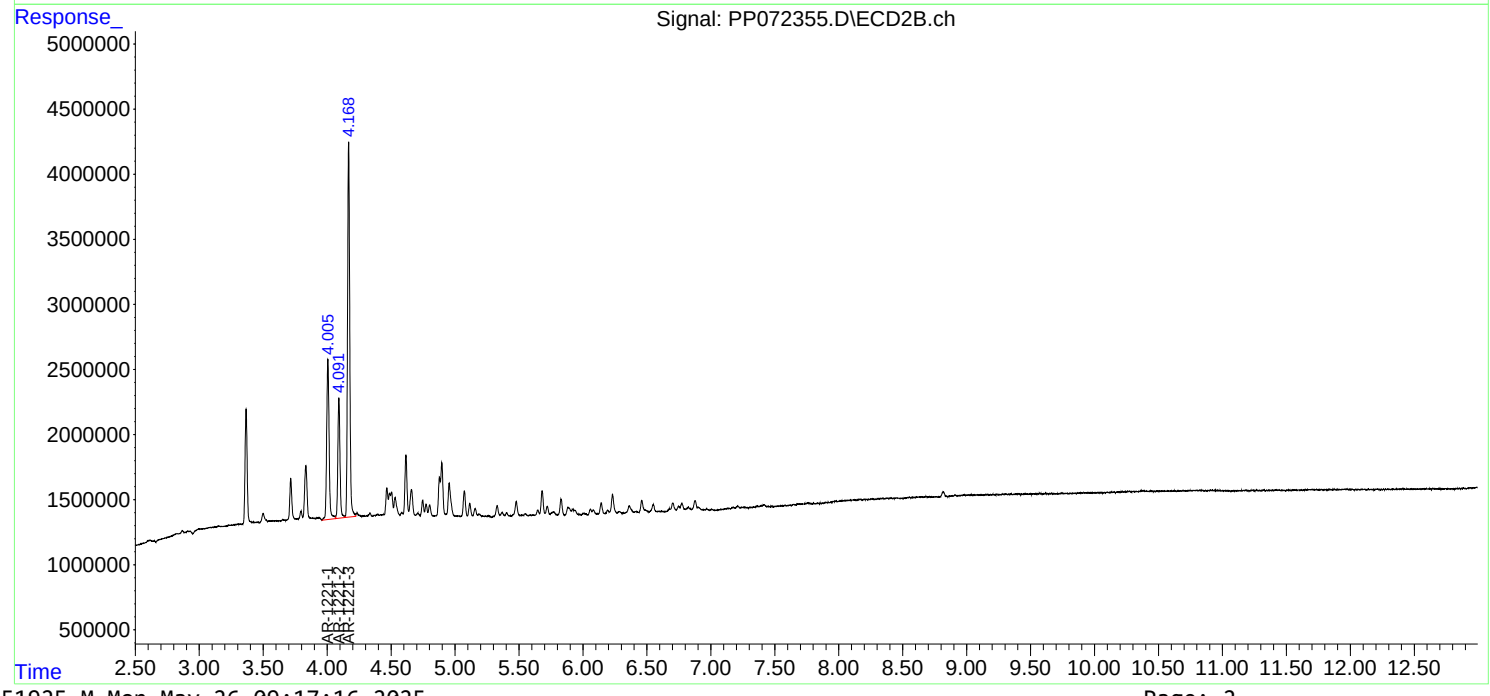
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:20
Operator : YP\AJ
Sample : Q1872-18DL 50X
Misc :
ALS Vial : 38 Sample Multiplier: 1

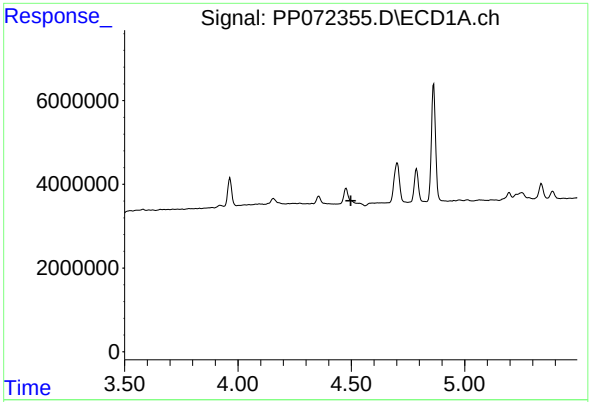
**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOILDL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



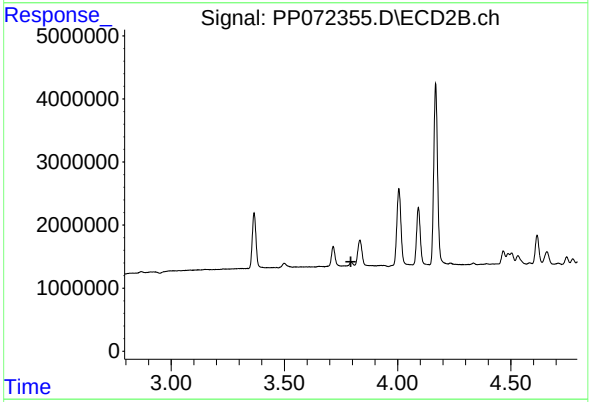






#1 Tetrachloro-m-xylene

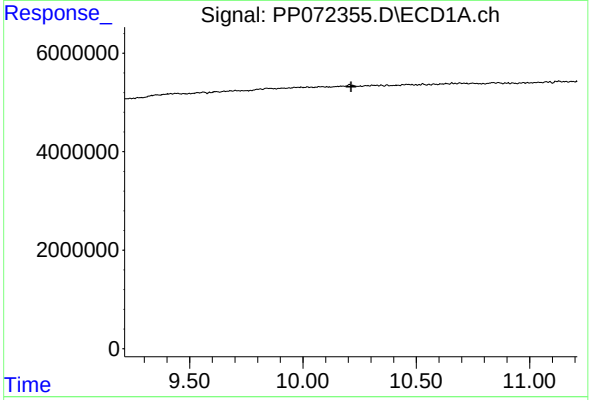
R.T.: 0.000 min
Exp R.T. : 4.498 min
Response: 0
Conc: N.D.

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOILDL



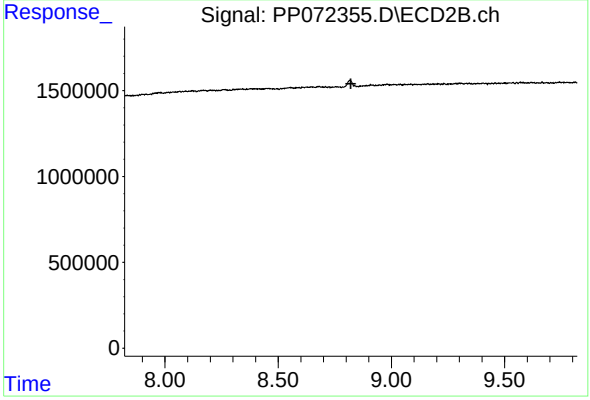

#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.793 min
Response: 0
Conc: N.D.



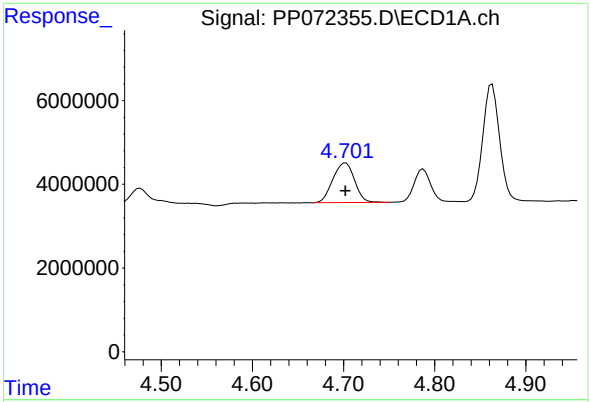

#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.212 min
Response: 0
Conc: N.D.




#2 Decachlorobiphenyl

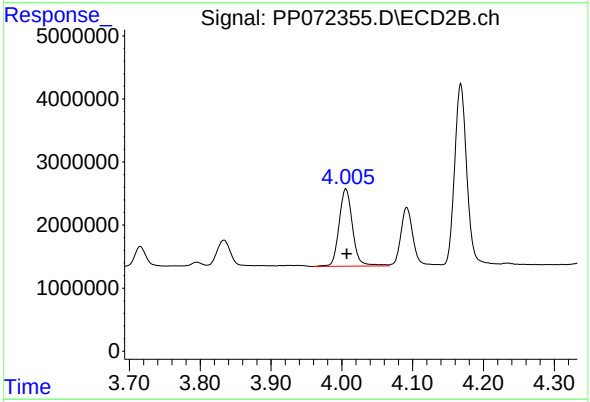
R.T.: 0.000 min
Exp R.T. : 8.821 min
Response: 0
Conc: N.D.




#8 AR-1221-1

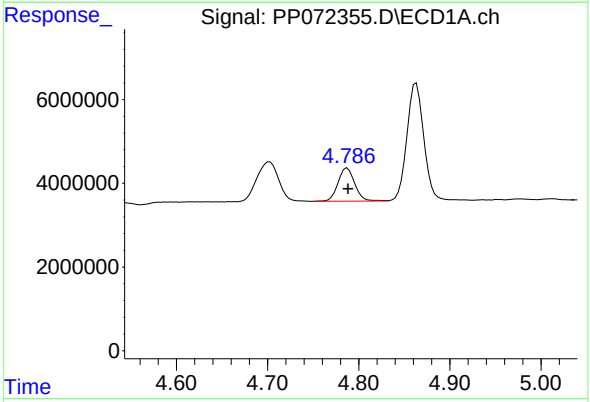
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 15704733
Conc: 600.74 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOILDL



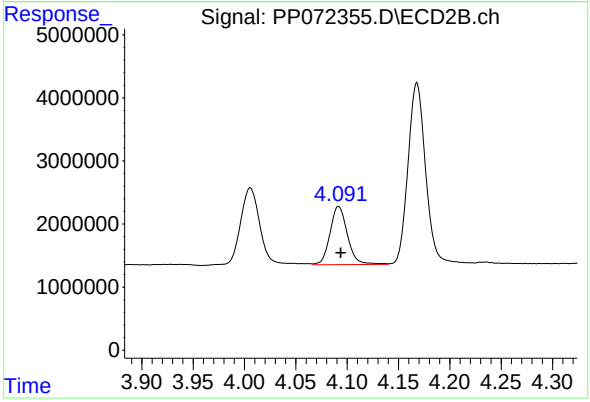

#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: -0.002 min
Response: 16231771
Conc: 605.43 ng/ml



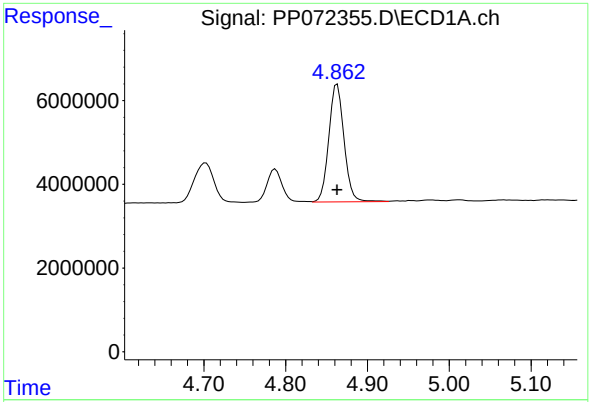

#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 10168186
Conc: 498.46 ng/ml




#9 AR-1221-2

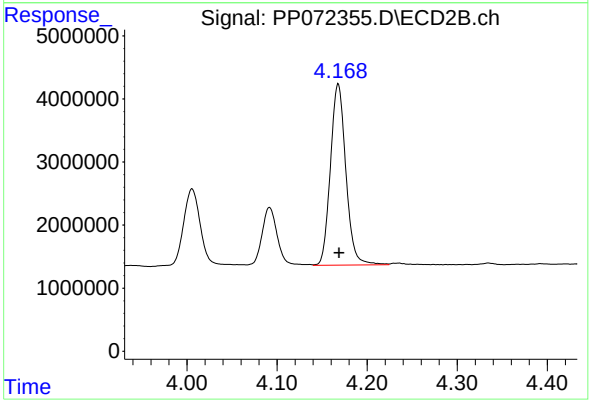
R.T.: 4.092 min
Delta R.T.: -0.002 min
Response: 10854007
Conc: 528.56 ng/ml




#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 36402360
Conc: 601.70 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCB-SOILDL




#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 34247952
Conc: 581.58 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 04/21/25 |
| Project: | NJ Soil PT | Date Received: | 04/24/25 |
| Client Sample ID: | HW0425-PT-PCBO-SOIL | SDG No.: | Q1872 |
| Lab Sample ID: | Q1872-19 | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 1.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072413.D | 1 | 05/28/25 09:40 | 05/28/25 17:10 | PB168154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 113 | U | 113 | 486 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 7000 | | 115 | 486 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 106 | U | 106 | 486 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 115 | U | 115 | 486 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 169 | U | 169 | 486 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 91.7 | U | 91.7 | 486 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 143 | U | 143 | 486 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 103 | U | 103 | 486 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 92.3 | U | 92.3 | 486 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 13.0 | | 32 - 144 | 65% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.1 | | 32 - 175 | 96% | 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_P\Data\PP052825\
Data File : PP072413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 17:10
Operator : YP\AJ
Sample : Q1872-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCBO-SOIL

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.805 | 22510432 | 20707104 | 11.195m | 12.955m |
| 2) | SA Decachlor... | 10.198 | 8.813 | 22784204 | 20242448 | 13.986 | 19.122 # |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.705 | 4.013 | 17759975 | 20204472 | 679.362 | 753.610 |
| 9) | L2 AR-1221-2 | 4.792 | 4.099 | 15373848 | 13882804 | 753.646 | 676.058 |
| 10) | L2 AR-1221-3 | 4.866 | 4.175 | 40834948 | 45665154 | 674.964 | 775.462 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 17:10
Operator : YP\AJ
Sample : Q1872-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

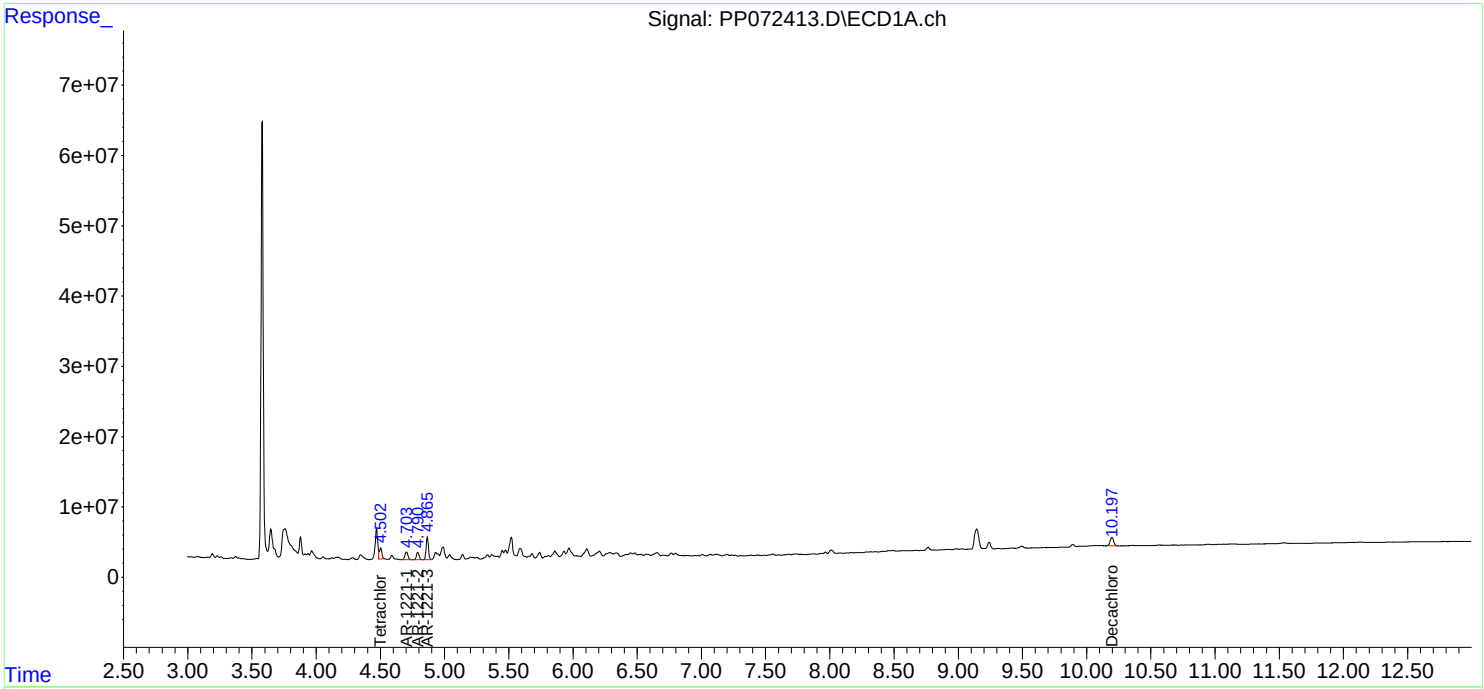
**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCBO-SOIL

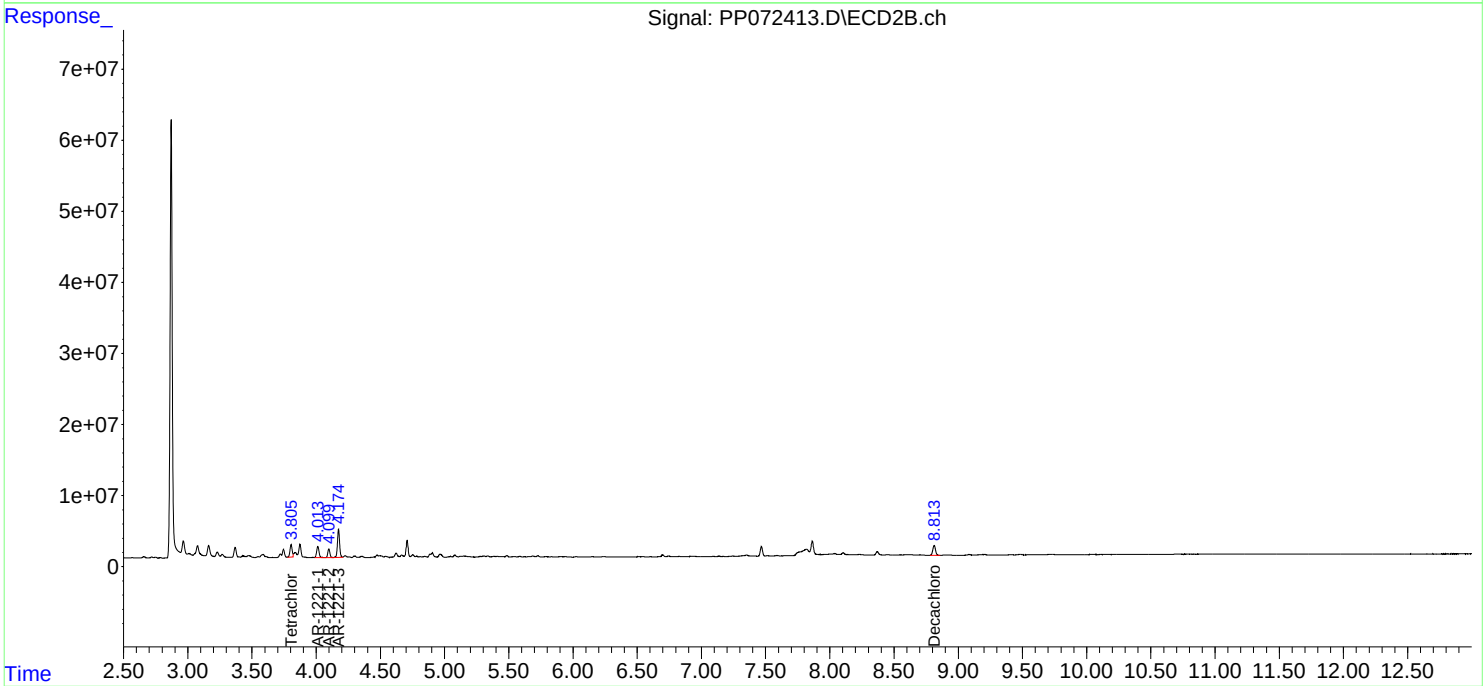
**Manual Integrations APPROVED**

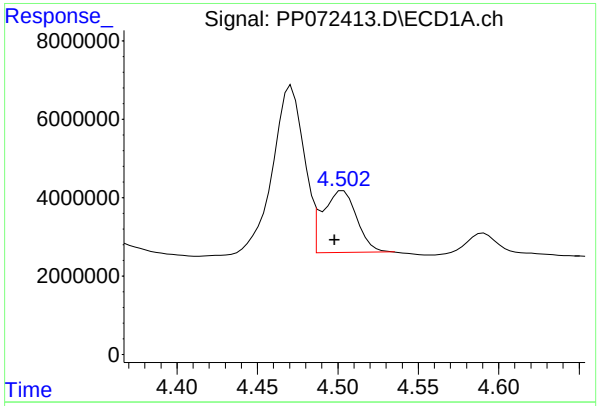
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





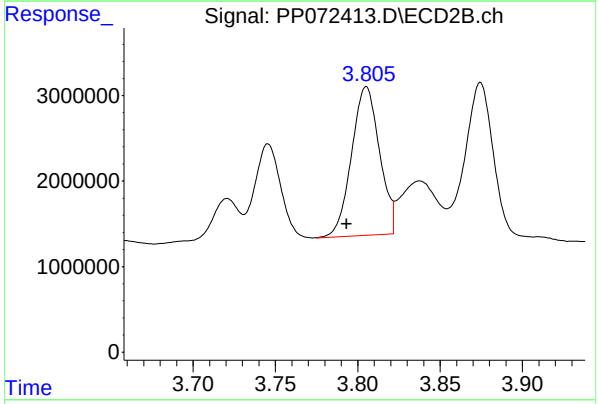

#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 22510432
Conc: 11.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCBO-SOIL

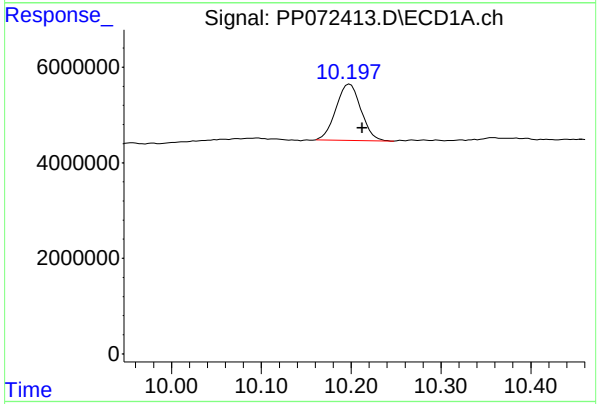
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



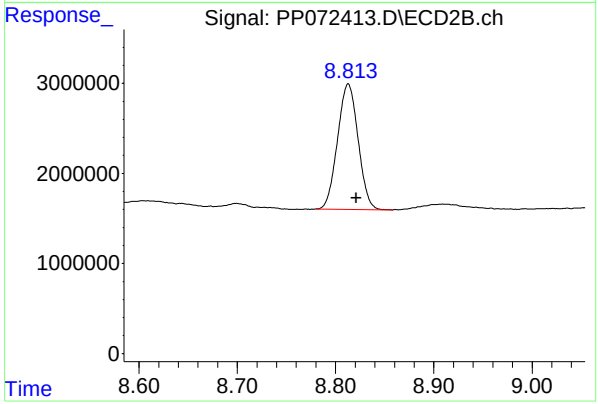

#1 Tetrachloro-m-xylene

R.T.: 3.805 min
Delta R.T.: 0.012 min
Response: 20707104
Conc: 12.96 ng/ml m



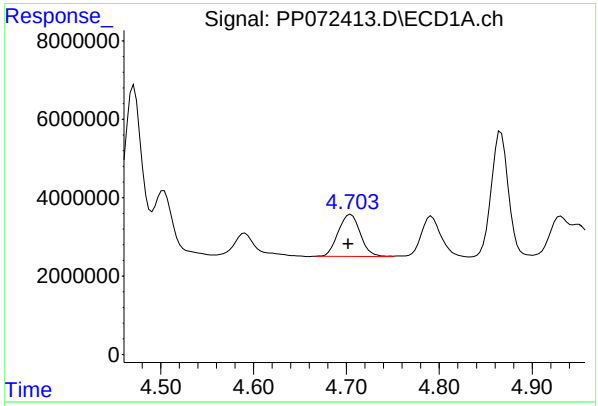

#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 22784204
Conc: 13.99 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.813 min
Delta R.T.: -0.008 min
Response: 20242448
Conc: 19.12 ng/ml



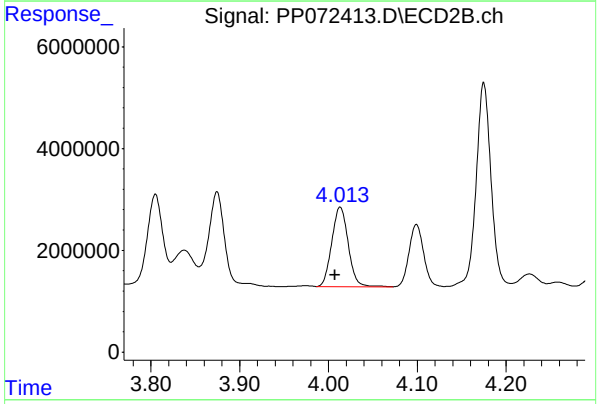

#8 AR-1221-1

R.T.: 4.705 min
Delta R.T.: 0.003 min
Response: 17759975
Conc: 679.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCBO-SOIL

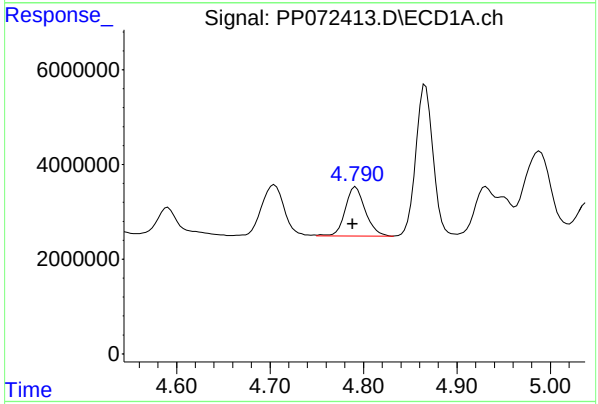
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



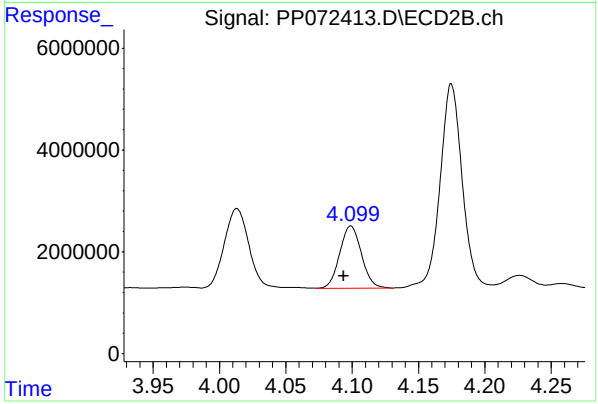

#8 AR-1221-1

R.T.: 4.013 min
Delta R.T.: 0.006 min
Response: 20204472
Conc: 753.61 ng/ml



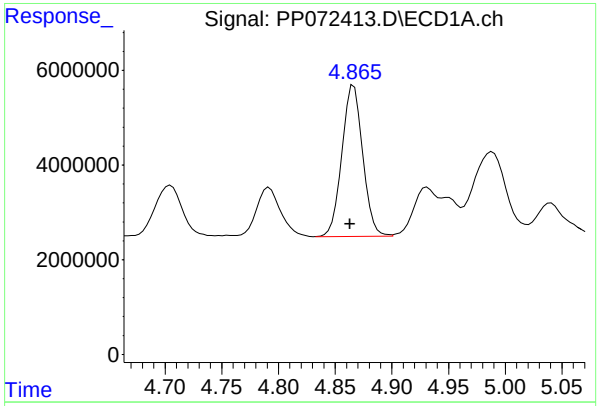

#9 AR-1221-2

R.T.: 4.792 min
Delta R.T.: 0.003 min
Response: 15373848
Conc: 753.65 ng/ml




#9 AR-1221-2

R.T.: 4.099 min
Delta R.T.: 0.005 min
Response: 13882804
Conc: 676.06 ng/ml



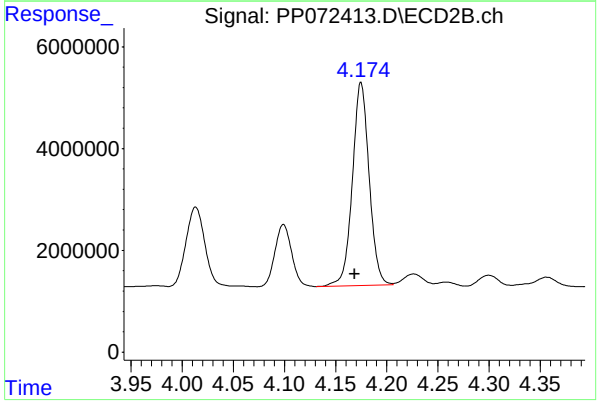

#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 40834948
Conc: 674.96 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
HW0425-PT-PCBO-SOIL

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025




#10 AR-1221-3

R.T.: 4.175 min
Delta R.T.: 0.006 min
Response: 45665154
Conc: 775.46 ng/ml

# CALIBRATION SUMMARY

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

**Calibration Times:** 09:42 18:25

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

**LAB FILE ID:** RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.65 | 5.65 | 5.65 | 5.66 | 5.65 | 5.65 | 5.55 | 5.75 |
| Aroclor-1016-2 | (2) | 5.68 | 5.67 | 5.67 | 5.68 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1016-3 | (3) | 5.74 | 5.74 | 5.74 | 5.74 | 5.73 | 5.74 | 5.64 | 5.84 |
| Aroclor-1016-4 | (4) | 5.84 | 5.83 | 5.83 | 5.84 | 5.83 | 5.83 | 5.73 | 5.93 |
| Aroclor-1016-5 | (5) | 6.13 | 6.13 | 6.13 | 6.13 | 6.13 | 6.13 | 6.03 | 6.23 |
| Aroclor-1260-1 | (1) | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 7.15 | 7.35 |
| Aroclor-1260-2 | (2) | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.40 | 7.60 |
| Aroclor-1260-3 | (3) | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 | 7.76 | 7.96 |
| Aroclor-1260-4 | (4) | 8.09 | 8.08 | 8.09 | 8.09 | 8.08 | 8.09 | 7.99 | 8.19 |
| Aroclor-1260-5 | (5) | 8.40 | 8.40 | 8.40 | 8.41 | 8.40 | 8.40 | 8.30 | 8.50 |
| Decachlorobiphenyl | | 10.21 | 10.21 | 10.21 | 10.21 | 10.21 | 10.21 | 10.11 | 10.31 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.40 | 4.60 |
| Aroclor-1232-1 | (1) | 4.86 | 4.86 | 4.86 | 4.87 | 4.86 | 4.86 | 4.76 | 4.96 |
| Aroclor-1232-2 | (2) | 5.39 | 5.39 | 5.39 | 5.39 | 5.39 | 5.39 | 5.29 | 5.49 |
| Aroclor-1232-3 | (3) | 5.68 | 5.68 | 5.68 | 5.68 | 5.67 | 5.68 | 5.58 | 5.78 |
| Aroclor-1232-4 | (4) | 5.84 | 5.84 | 5.84 | 5.84 | 5.83 | 5.84 | 5.74 | 5.94 |
| Aroclor-1232-5 | (5) | 5.93 | 5.93 | 5.93 | 5.93 | 5.92 | 5.93 | 5.83 | 6.03 |
| Decachlorobiphenyl | | 10.21 | 10.22 | 10.21 | 10.22 | 10.21 | 10.21 | 10.11 | 10.31 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.40 | 4.60 |
| Aroclor-1242-1 | (1) | 5.66 | 5.66 | 5.66 | 5.65 | 5.65 | 5.66 | 5.56 | 5.76 |
| Aroclor-1242-2 | (2) | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.58 | 5.78 |
| Aroclor-1242-3 | (3) | 5.74 | 5.74 | 5.74 | 5.74 | 5.74 | 5.74 | 5.64 | 5.84 |
| Aroclor-1242-4 | (4) | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.74 | 5.94 |
| Aroclor-1242-5 | (5) | 6.57 | 6.57 | 6.57 | 6.57 | 6.57 | 6.57 | 6.47 | 6.67 |
| Decachlorobiphenyl | | 10.22 | 10.22 | 10.22 | 10.21 | 10.22 | 10.22 | 10.12 | 10.32 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.51 | 4.50 | 4.50 | 4.50 | 4.40 | 4.60 |
| Aroclor-1248-1 | (1) | 5.66 | 5.66 | 5.66 | 5.66 | 5.65 | 5.66 | 5.56 | 5.76 |
| Aroclor-1248-2 | (2) | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.83 | 6.03 |
| Aroclor-1248-3 | (3) | 6.13 | 6.13 | 6.13 | 6.13 | 6.13 | 6.13 | 6.03 | 6.23 |
| Aroclor-1248-4 | (4) | 6.53 | 6.53 | 6.53 | 6.53 | 6.53 | 6.53 | 6.43 | 6.63 |
| Aroclor-1248-5 | (5) | 6.57 | 6.57 | 6.57 | 6.57 | 6.57 | 6.57 | 6.47 | 6.67 |
| Decachlorobiphenyl | | 10.22 | 10.21 | 10.22 | 10.22 | 10.21 | 10.22 | 10.12 | 10.32 |
| Tetrachloro-m-xylene | | 4.51 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.40 | 4.60 |
| Aroclor-1254-1 | (1) | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.41 | 6.61 |
| Aroclor-1254-2 | (2) | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.62 | 6.82 |
| Aroclor-1254-3 | (3) | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 | 6.99 | 7.19 |
| Aroclor-1254-4 | (4) | 7.37 | 7.37 | 7.37 | 7.37 | 7.37 | 7.37 | 7.27 | 7.47 |
| Aroclor-1254-5 | (5) | 7.79 | 7.79 | 7.79 | 7.79 | 7.79 | 7.79 | 7.69 | 7.89 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | | 10.22 | 10.22 | 10.22 | 10.22 | 10.22 | 10.22 | 10.12 | 10.32 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.40 | 4.60 |
| Aroclor-1268-1 | (1) | 8.72 | 8.72 | 8.72 | 8.72 | 8.72 | 8.72 | 8.62 | 8.82 |
| Aroclor-1268-2 | (2) | 8.81 | 8.82 | 8.81 | 8.81 | 8.81 | 8.81 | 8.71 | 8.91 |
| Aroclor-1268-3 | (3) | 9.04 | 9.05 | 9.04 | 9.04 | 9.05 | 9.04 | 8.94 | 9.14 |
| Aroclor-1268-4 | (4) | 9.46 | 9.46 | 9.46 | 9.46 | 9.46 | 9.46 | 9.36 | 9.56 |
| Aroclor-1268-5 | (5) | 9.88 | 9.88 | 9.88 | 9.88 | 9.88 | 9.88 | 9.78 | 9.98 |
| Decachlorobiphenyl | | 10.22 | 10.22 | 10.22 | 10.21 | 10.22 | 10.22 | 10.12 | 10.32 |
| Tetrachloro-m-xylene | | 4.50 | 4.51 | 4.50 | 4.50 | 4.50 | 4.50 | 4.40 | 4.60 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

**Calibration Times:** 09:42 18:25

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

**LAB FILE ID:** RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.78 | 4.98 |
| Aroclor-1016-2 | (2) | 4.90 | 4.89 | 4.90 | 4.90 | 4.90 | 4.90 | 4.80 | 5.00 |
| Aroclor-1016-3 | (3) | 5.07 | 5.07 | 5.07 | 5.07 | 5.07 | 5.07 | 4.97 | 5.17 |
| Aroclor-1016-4 | (4) | 5.11 | 5.11 | 5.12 | 5.12 | 5.12 | 5.12 | 5.02 | 5.22 |
| Aroclor-1016-5 | (5) | 5.33 | 5.33 | 5.33 | 5.33 | 5.33 | 5.33 | 5.23 | 5.43 |
| Aroclor-1260-1 | (1) | 6.36 | 6.36 | 6.36 | 6.36 | 6.36 | 6.36 | 6.26 | 6.46 |
| Aroclor-1260-2 | (2) | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.45 | 6.65 |
| Aroclor-1260-3 | (3) | 6.71 | 6.71 | 6.71 | 6.71 | 6.71 | 6.71 | 6.61 | 6.81 |
| Aroclor-1260-4 | (4) | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.08 | 7.28 |
| Aroclor-1260-5 | (5) | 7.42 | 7.42 | 7.42 | 7.42 | 7.42 | 7.42 | 7.32 | 7.52 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.72 | 8.92 |
| Tetrachloro-m-xylene | | 3.79 | 3.79 | 3.79 | 3.79 | 3.79 | 3.79 | 3.69 | 3.89 |
| Aroclor-1232-1 | (1) | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | 4.07 | 4.27 |
| Aroclor-1232-2 | (2) | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.80 | 5.00 |
| Aroclor-1232-3 | (3) | 5.07 | 5.08 | 5.08 | 5.07 | 5.08 | 5.08 | 4.98 | 5.18 |
| Aroclor-1232-4 | (4) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1232-5 | (5) | 5.33 | 5.33 | 5.33 | 5.33 | 5.33 | 5.33 | 5.23 | 5.43 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.72 | 8.92 |
| Tetrachloro-m-xylene | | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.70 | 3.90 |
| Aroclor-1242-1 | (1) | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.78 | 4.98 |
| Aroclor-1242-2 | (2) | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.80 | 5.00 |
| Aroclor-1242-3 | (3) | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 4.98 | 5.18 |
| Aroclor-1242-4 | (4) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1242-5 | (5) | 5.68 | 5.68 | 5.69 | 5.68 | 5.68 | 5.68 | 5.58 | 5.78 |
| Decachlorobiphenyl | | 8.83 | 8.83 | 8.83 | 8.83 | 8.82 | 8.83 | 8.73 | 8.93 |
| Tetrachloro-m-xylene | | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.70 | 3.90 |
| Aroclor-1248-1 | (1) | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.78 | 4.98 |
| Aroclor-1248-2 | (2) | 5.12 | 5.12 | 5.12 | 5.12 | 5.12 | 5.12 | 5.02 | 5.22 |
| Aroclor-1248-3 | (3) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1248-4 | (4) | 5.33 | 5.33 | 5.33 | 5.33 | 5.33 | 5.33 | 5.23 | 5.43 |
| Aroclor-1248-5 | (5) | 5.73 | 5.73 | 5.73 | 5.73 | 5.73 | 5.73 | 5.63 | 5.83 |
| Decachlorobiphenyl | | 8.83 | 8.83 | 8.83 | 8.83 | 8.82 | 8.83 | 8.73 | 8.93 |
| Tetrachloro-m-xylene | | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.70 | 3.90 |
| Aroclor-1254-1 | (1) | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.59 | 5.79 |
| Aroclor-1254-2 | (2) | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.73 | 5.93 |
| Aroclor-1254-3 | (3) | 6.24 | 6.24 | 6.24 | 6.24 | 6.24 | 6.24 | 6.14 | 6.34 |
| Aroclor-1254-4 | (4) | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.37 | 6.57 |
| Aroclor-1254-5 | (5) | 6.88 | 6.88 | 6.88 | 6.88 | 6.88 | 6.88 | 6.78 | 6.98 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | | 8.83 | 8.83 | 8.83 | 8.83 | 8.83 | 8.83 | 8.73 | 8.93 |
| Tetrachloro-m-xylene | | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.70 | 3.90 |
| Aroclor-1268-1 | (1) | 7.70 | 7.70 | 7.70 | 7.70 | 7.70 | 7.70 | 7.60 | 7.80 |
| Aroclor-1268-2 | (2) | 7.77 | 7.77 | 7.77 | 7.77 | 7.77 | 7.77 | 7.67 | 7.87 |
| Aroclor-1268-3 | (3) | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.87 | 8.07 |
| Aroclor-1268-4 | (4) | 8.27 | 8.27 | 8.27 | 8.27 | 8.27 | 8.27 | 8.17 | 8.37 |
| Aroclor-1268-5 | (5) | 8.57 | 8.57 | 8.57 | 8.57 | 8.57 | 8.57 | 8.47 | 8.67 |
| Decachlorobiphenyl | | 8.83 | 8.83 | 8.83 | 8.82 | 8.82 | 8.83 | 8.73 | 8.93 |
| Tetrachloro-m-xylene | | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.70 | 3.90 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

**Calibration Times:** 09:42 18:25

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

**LAB FILE ID:** CF 1000 = PP072164.D CF 750 = PP072165.D

CF 500 = PP072166.D CF 250 = PP072167.D CF 050 = PP072168.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 66878491 | 69828851 | 76010044 | 83211968 | 79488900 | 75083651 | 9 |
| Aroclor-1016-2 | (2) | 99468528 | 104467549 | 110518222 | 118579572 | 101924480 | 106991670 | 7 |
| Aroclor-1016-3 | (3) | 61412187 | 64234915 | 67714060 | 73550892 | 60912680 | 65564947 | 8 |
| Aroclor-1016-4 | (4) | 50363803 | 53404009 | 55311866 | 58220708 | 49049560 | 53269989 | 7 |
| Aroclor-1016-5 | (5) | 45437165 | 47941741 | 49914606 | 51189784 | 50062640 | 48909187 | 5 |
| Aroclor-1260-1 | (1) | 85553757 | 90346417 | 93957158 | 98060904 | 100055640 | 93594775 | 6 |
| Aroclor-1260-2 | (2) | 135650987 | 137755076 | 143609204 | 149400496 | 151032820 | 143489717 | 5 |
| Aroclor-1260-3 | (3) | 109042220 | 112821207 | 117388622 | 121236852 | 108865120 | 113870804 | 5 |
| Aroclor-1260-4 | (4) | 102101329 | 107107725 | 110940768 | 114591832 | 101771400 | 107302611 | 5 |
| Aroclor-1260-5 | (5) | 228876095 | 233706888 | 240834266 | 249937120 | 229956720 | 236662218 | 4 |
| Decachlorobiphenyl | | 1538266220 | 1617591187 | 1654764640 | 1712186920 | 1622812600 | 1629124313 | 4 |
| Tetrachloro-m-xylene | | 1944699760 | 2026562000 | 2072807240 | 2135906680 | 1874026800 | 2010800496 | 5 |
| Aroclor-1232-1 | (1) | 44075653 | 45896815 | 48002922 | 48247276 | 49319600 | 47108453 | 4 |
| Aroclor-1232-2 | (2) | 21717379 | 22928696 | 23244388 | 23029808 | 25495660 | 23283186 | 6 |
| Aroclor-1232-3 | (3) | 46772523 | 50148184 | 51844656 | 54382920 | 47167260 | 50063109 | 6 |
| Aroclor-1232-4 | (4) | 23238504 | 24146713 | 24804390 | 26183196 | 27122440 | 25099049 | 6 |
| Aroclor-1232-5 | (5) | 15752983 | 16470224 | 16442412 | 18109320 | 20822780 | 17519544 | 12 |
| Decachlorobiphenyl | | 1545279190 | 1600827560 | 1672901480 | 1703701720 | 1499866000 | 1604515190 | 5 |
| Tetrachloro-m-xylene | | 1886122400 | 2000973440 | 2054641840 | 2122290120 | 1923172600 | 1997440080 | 5 |
| Aroclor-1242-1 | (1) | 56211553 | 57323072 | 62083360 | 65843868 | 71524840 | 62597339 | 10 |
| Aroclor-1242-2 | (2) | 82973080 | 85971496 | 91883334 | 97584776 | 75486540 | 86779845 | 10 |
| Aroclor-1242-3 | (3) | 51559127 | 52121972 | 55496172 | 57080948 | 59071260 | 55065896 | 6 |
| Aroclor-1242-4 | (4) | 41207603 | 43030657 | 45948576 | 46781836 | 44776460 | 44349026 | 5 |
| Aroclor-1242-5 | (5) | 47977894 | 48696228 | 50879554 | 52435600 | 54934800 | 50984815 | 6 |
| Decachlorobiphenyl | | 1526214180 | 1567133680 | 1645977640 | 1728993240 | 1487418400 | 1591147428 | 6 |
| Tetrachloro-m-xylene | | 1827808490 | 1928927520 | 1991275140 | 2114690400 | 1713029600 | 1915146230 | 8 |
| Aroclor-1248-1 | (1) | 44038397 | 47472432 | 47912646 | 51445364 | 51108500 | 48395468 | 6 |
| Aroclor-1248-2 | (2) | 56984732 | 59400859 | 61165396 | 63476680 | 62172680 | 60640069 | 4 |
| Aroclor-1248-3 | (3) | 64677132 | 65813748 | 68767932 | 70638012 | 61003720 | 66180109 | 6 |
| Aroclor-1248-4 | (4) | 81606824 | 85304428 | 88412180 | 92196600 | 89440360 | 87392078 | 5 |
| Aroclor-1248-5 | (5) | 77587697 | 81003728 | 83211240 | 86851844 | 86474060 | 83025714 | 5 |
| Decachlorobiphenyl | | 1573368300 | 1599269360 | 1663196880 | 1714969280 | 1478724200 | 1605905604 | 6 |
| Tetrachloro-m-xylene | | 1880240370 | 1909383627 | 1990709860 | 2112434560 | 1856348600 | 1949823403 | 5 |
| Aroclor-1254-1 | (1) | 79792123 | 82783284 | 86922424 | 91684028 | 88834440 | 86003260 | 6 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1254-2 | (2) | 120142096 | 124850076 | 131105324 | 134547092 | 142741880 | 130677294 | 7 |
| Aroclor-1254-3 | (3) | 124307316 | 127832729 | 133782854 | 136984312 | 137108200 | 132003082 | 4 |
| Aroclor-1254-4 | (4) | 116304358 | 118550812 | 124418220 | 136069712 | 157210520 | 130510724 | 13 |
| Aroclor-1254-5 | (5) | 107938622 | 112056604 | 116315218 | 117138120 | 102784720 | 111246657 | 5 |
| Decachlorobiphenyl | | 1576500070 | 1614032093 | 1688035380 | 1708021160 | 1475084400 | 1612334621 | 6 |
| Tetrachloro-m-xylene | | 1869066560 | 1948875347 | 2032435420 | 2069900400 | 1617536400 | 1907562825 | 9 |
| Aroclor-1268-1 | (1) | 315692357 | 322966827 | 337626016 | 351356792 | 338115380 | 333151474 | 4 |
| Aroclor-1268-2 | (2) | 265886956 | 272371317 | 285215132 | 296487980 | 279979560 | 279988189 | 4 |
| Aroclor-1268-3 | (3) | 227961300 | 235081659 | 247250176 | 255747588 | 241284760 | 241465097 | 4 |
| Aroclor-1268-4 | (4) | 101392203 | 104765767 | 107968348 | 108360296 | 102254740 | 104948271 | 3 |
| Aroclor-1268-5 | (5) | 651541042 | 667177075 | 686960040 | 706355632 | 672967440 | 677000246 | 3 |
| Decachlorobiphenyl | | 2733685450 | 2815599213 | 2937966700 | 3038738360 | 2636754200 | 2832548785 | 6 |
| Tetrachloro-m-xylene | | 1849618000 | 1900065360 | 1995699220 | 2054630680 | 1744336400 | 1908869932 | 6 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

**Calibration Times:** 09:42 18:25

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

**LAB FILE ID:** **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

**CF 500 =** PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 54525663 | 58849481 | 59632288 | 64515432 | 69624760 | 61429525 | 9 |
| Aroclor-1016-2 | (2) | 79772717 | 86154421 | 85288758 | 92453296 | 95277560 | 87789350 | 7 |
| Aroclor-1016-3 | (3) | 42641318 | 46352395 | 47330430 | 50989192 | 50959120 | 47654491 | 7 |
| Aroclor-1016-4 | (4) | 33654246 | 36754908 | 37811202 | 41521120 | 40485160 | 38045327 | 8 |
| Aroclor-1016-5 | (5) | 43791070 | 47744144 | 49105368 | 53701332 | 54780200 | 49824423 | 9 |
| Aroclor-1260-1 | (1) | 72244144 | 75307759 | 80373306 | 84844232 | 85999160 | 79753720 | 7 |
| Aroclor-1260-2 | (2) | 87664004 | 90365408 | 98490088 | 104924488 | 125666920 | 101422182 | 15 |
| Aroclor-1260-3 | (3) | 79909091 | 81326363 | 88937536 | 92494016 | 91844780 | 86902357 | 7 |
| Aroclor-1260-4 | (4) | 64349922 | 67685321 | 72647720 | 77711116 | 78060640 | 72090944 | 8 |
| Aroclor-1260-5 | (5) | 161315528 | 166937577 | 177635780 | 187517596 | 174713540 | 173624004 | 6 |
| Decachlorobiphenyl | | 920208980 | 1044964960 | 1093136160 | 1163579000 | 1071118200 | 1058601460 | 8 |
| Tetrachloro-m-xylene | | 1547649930 | 1584243107 | 1593704220 | 1639561360 | 1626633000 | 1598358323 | 2 |
| Aroclor-1232-1 | (1) | 37616932 | 40592059 | 45290150 | 47667724 | 45555860 | 43344545 | 9 |
| Aroclor-1232-2 | (2) | 39358353 | 42024527 | 44532022 | 47402620 | 47585980 | 44180700 | 8 |
| Aroclor-1232-3 | (3) | 20796080 | 22347549 | 23808552 | 25172964 | 24790340 | 23383097 | 8 |
| Aroclor-1232-4 | (4) | 17897124 | 19415229 | 20680720 | 21689292 | 23918420 | 20720157 | 11 |
| Aroclor-1232-5 | (5) | 19472370 | 21237964 | 22534450 | 24219412 | 28307940 | 23154427 | 15 |
| Decachlorobiphenyl | | 991061470 | 1069964400 | 1120483020 | 1147415120 | 1151969600 | 1096178722 | 6 |
| Tetrachloro-m-xylene | | 1503650850 | 1560846907 | 1685979140 | 1671096560 | 1578260800 | 1599966851 | 5 |
| Aroclor-1242-1 | (1) | 46123670 | 49902476 | 52843000 | 57237560 | 54435320 | 52108405 | 8 |
| Aroclor-1242-2 | (2) | 66003789 | 71039361 | 75471286 | 80940564 | 74026140 | 73496228 | 8 |
| Aroclor-1242-3 | (3) | 34394227 | 38777200 | 41064482 | 44714476 | 36677280 | 39125533 | 10 |
| Aroclor-1242-4 | (4) | 32146418 | 36854119 | 38826456 | 43192656 | 36894340 | 37582798 | 11 |
| Aroclor-1242-5 | (5) | 41776015 | 46613400 | 48754570 | 54226988 | 49917340 | 48257663 | 9 |
| Decachlorobiphenyl | | 967171680 | 1074707920 | 1046164720 | 1163123680 | 1078294400 | 1065892480 | 7 |
| Tetrachloro-m-xylene | | 1545621850 | 1670448987 | 1600956100 | 1623877080 | 1377345600 | 1563649923 | 7 |
| Aroclor-1248-1 | (1) | 38942472 | 38080832 | 42980810 | 46736940 | 49867020 | 43321615 | 12 |
| Aroclor-1248-2 | (2) | 50685144 | 49386624 | 55814958 | 61079164 | 65420760 | 56477330 | 12 |
| Aroclor-1248-3 | (3) | 53612101 | 51937139 | 58301874 | 64007240 | 67677000 | 59107071 | 11 |
| Aroclor-1248-4 | (4) | 63542852 | 61081784 | 68799052 | 75621092 | 79219440 | 69652844 | 11 |
| Aroclor-1248-5 | (5) | 63751699 | 62374025 | 69241268 | 74501112 | 78829180 | 69739457 | 10 |
| Decachlorobiphenyl | | 1077930460 | 1066864453 | 1129616840 | 1218519160 | 1187538600 | 1136093903 | 6 |
| Tetrachloro-m-xylene | | 1585370290 | 1544149787 | 1686359520 | 1807980440 | 1717995000 | 1668371007 | 6 |
| Aroclor-1254-1 | (1) | 88394708 | 92134828 | 103452628 | 109580892 | 106208260 | 99954263 | 9 |

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Fax : 908 789 8922

## CALIBRATION FACTOR OF INITIAL CALIBRATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1254-2 | (2) | 75158218 | 78808232 | 90151838 | 93786952 | 93629340 | 86306916 | 10 |
| Aroclor-1254-3 | (3) | 118588697 | 123091027 | 137573488 | 140955076 | 122895140 | 128620686 | 8 |
| Aroclor-1254-4 | (4) | 76184182 | 79817879 | 90049888 | 92363636 | 88066400 | 85296397 | 8 |
| Aroclor-1254-5 | (5) | 103321222 | 111630831 | 120507404 | 120857332 | 110441220 | 113351602 | 7 |
| Decachlorobiphenyl | | 1048618240 | 1081081133 | 1110321040 | 1211638680 | 1138223000 | 1117976419 | 6 |
| Tetrachloro-m-xylene | | 1515554540 | 1677026120 | 1758978840 | 1703246040 | 1394379800 | 1609837068 | 9 |
| Aroclor-1268-1 | (1) | 212587803 | 222334836 | 235771254 | 243664628 | 256729280 | 234217560 | 7 |
| Aroclor-1268-2 | (2) | 188526781 | 196925783 | 208389682 | 217661736 | 222594360 | 206819668 | 7 |
| Aroclor-1268-3 | (3) | 155195263 | 161035703 | 174669460 | 176674312 | 179279020 | 169370752 | 6 |
| Aroclor-1268-4 | (4) | 67370219 | 71019111 | 74855072 | 76562592 | 74977520 | 72956903 | 5 |
| Aroclor-1268-5 | (5) | 431064337 | 442819956 | 457037218 | 461770552 | 492119380 | 456962289 | 5 |
| Decachlorobiphenyl | | 1753973260 | 1820277787 | 1902401960 | 1966032280 | 2130248600 | 1914586777 | 8 |
| Tetrachloro-m-xylene | | 1581658390 | 1604094987 | 1649636500 | 1662342440 | 1498230000 | 1599192463 | 4 |

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Fax : 908 789 8922

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 4.70 | 4.60 | 4.80 | 25133000 |
| | | 2 | 4.79 | 4.69 | 4.89 | 17981400 |
| | | 3 | 4.86 | 4.76 | 4.96 | 58509600 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1262 | 500 | 1 | 8.09 | 7.99 | 8.19 | 133245000 |
| | | 2 | 8.41 | 8.31 | 8.51 | 272386000 |
| | | 3 | 8.72 | 8.62 | 8.82 | 185530000 |
| | | 4 | 8.81 | 8.71 | 8.91 | 134281000 |
| | | 5 | 9.46 | 9.36 | 9.56 | 92460600 |

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Fax : 908 789 8922

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 4.01 | 3.91 | 4.11 | 23124400 |
| | | 2 | 4.09 | 3.99 | 4.19 | 17698400 |
| | | 3 | 4.17 | 4.07 | 4.27 | 52270400 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1262 | 500 | 1 | 6.92 | 6.82 | 7.02 | 113028000 |
| | | 2 | 7.18 | 7.08 | 7.28 | 97127000 |
| | | 3 | 7.70 | 7.60 | 7.80 | 81531200 |
| | | 4 | 7.77 | 7.67 | 7.87 | 140624000 |
| | | 5 | 8.27 | 8.17 | 8.37 | 65083800 |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:42
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:58:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.498 | 3.791 | 194.5E6 | 154.8E6 | 96.811 | 98.534 |
| 2) | SA Decachlor... | 10.214 | 8.822 | 153.8E6 | 92020898 | 96.351 | 91.411 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.653 | 4.877 | 66878491 | 54525663 | 936.093 | 955.267 |
| 4) | L1 AR-1016-2 | 5.675 | 4.895 | 99468528 | 79772717 | 947.379 | 966.582 |
| 5) | L1 AR-1016-3 | 5.737 | 5.072 | 61412187 | 42641318 | 951.196 | 947.882 |
| 6) | L1 AR-1016-4 | 5.835 | 5.114 | 50363803 | 33654246 | 953.177 | 941.833 |
| 7) | L1 AR-1016-5 | 6.128 | 5.329 | 45437165 | 43791070 | 953.043 | 942.793 |
| 31) | L7 AR-1260-1 | 7.249 | 6.364 | 85553757 | 72244144 | 953.187 | 946.735 |
| 32) | L7 AR-1260-2 | 7.503 | 6.553 | 135.7E6 | 87664004 | 971.503 | 941.843 |
| 33) | L7 AR-1260-3 | 7.861 | 6.705 | 109.0E6 | 79909091 | 963.139 | 946.529 |
| 34) | L7 AR-1260-4 | 8.085 | 7.177 | 102.1E6 | 64349922 | 958.508 | 939.431 |
| 35) | L7 AR-1260-5 | 8.404 | 7.419 | 228.9E6 | 161.3E6 | 974.541 | 951.851 |

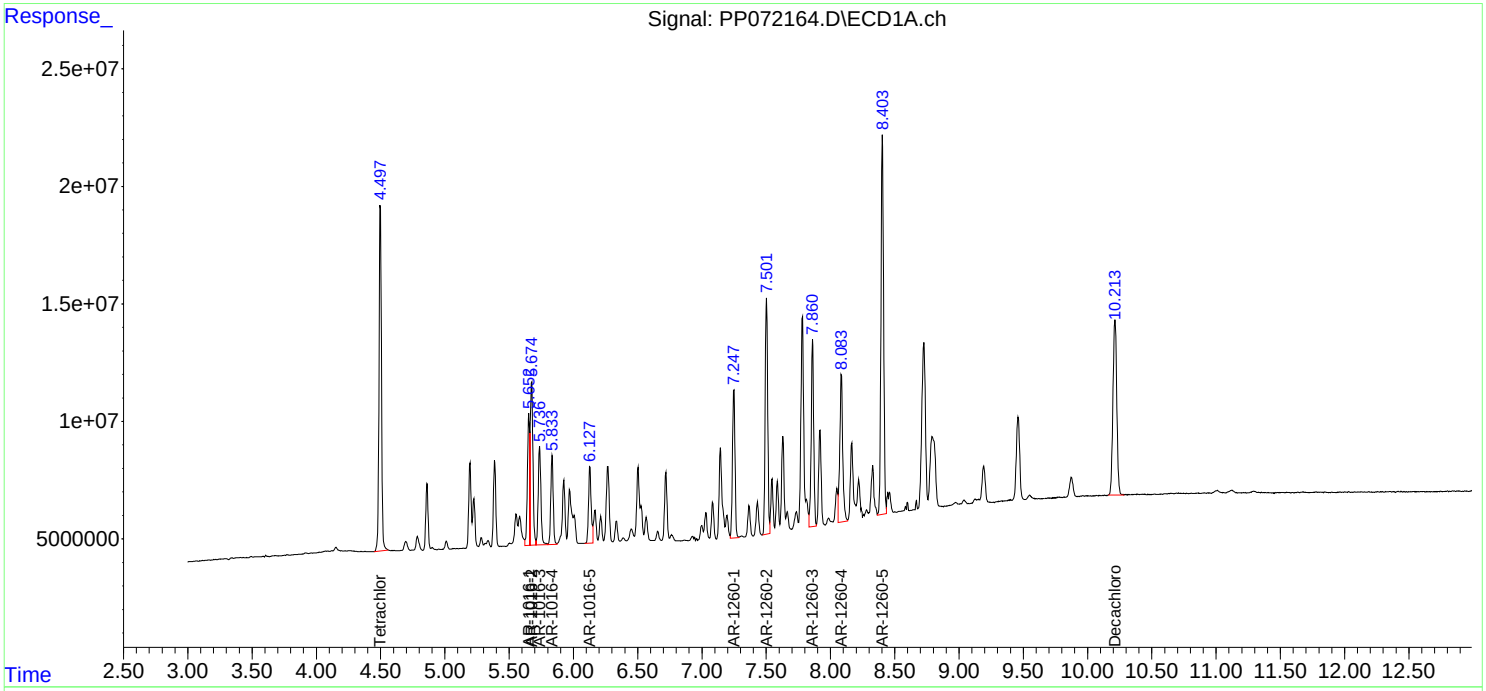
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

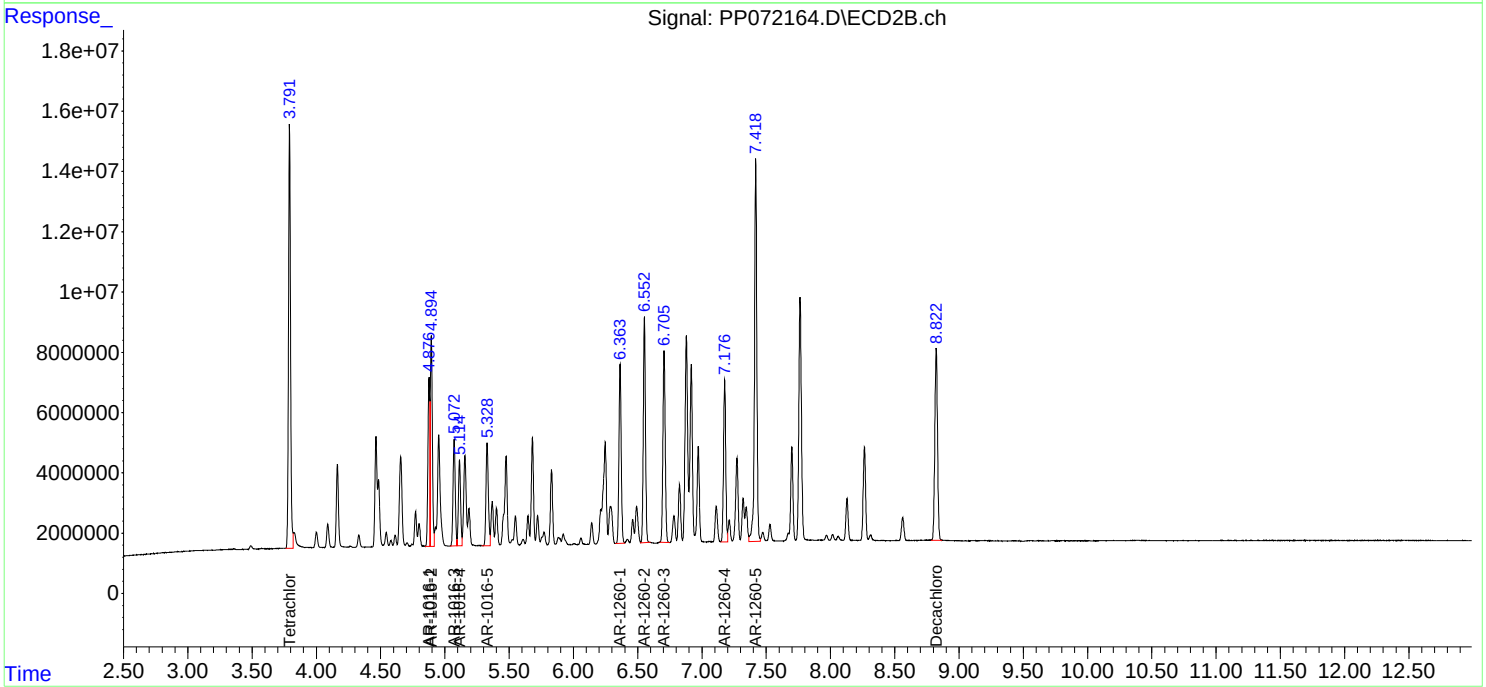
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:42
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

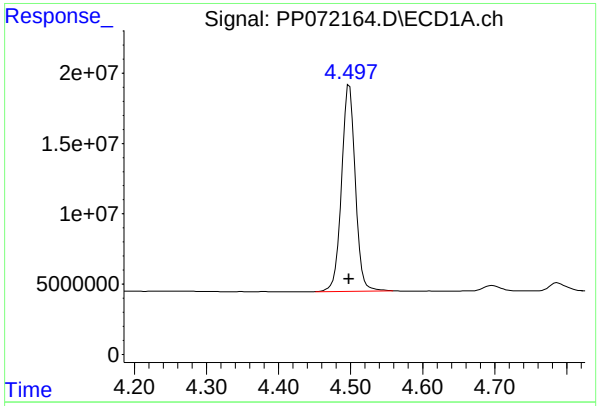
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:58:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



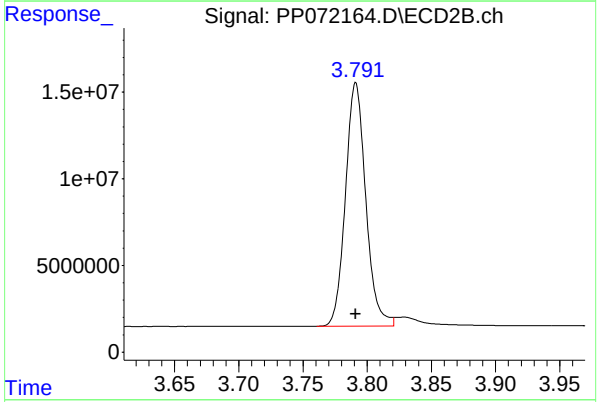






#1 Tetrachloro-m-xylene

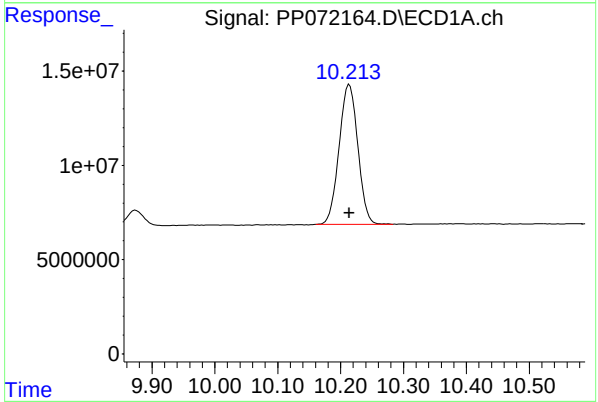
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 194469976
Conc: 96.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000



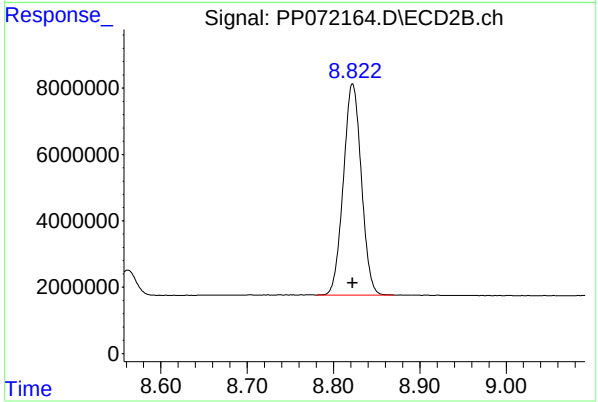

#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: 0.000 min
Response: 154764993
Conc: 98.53 ng/ml



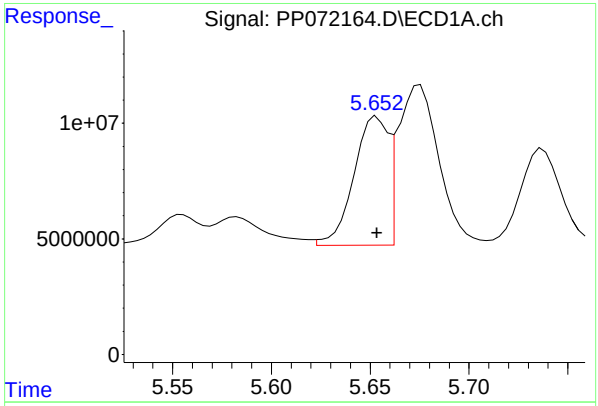

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 153826622
Conc: 96.35 ng/ml




#2 Decachlorobiphenyl

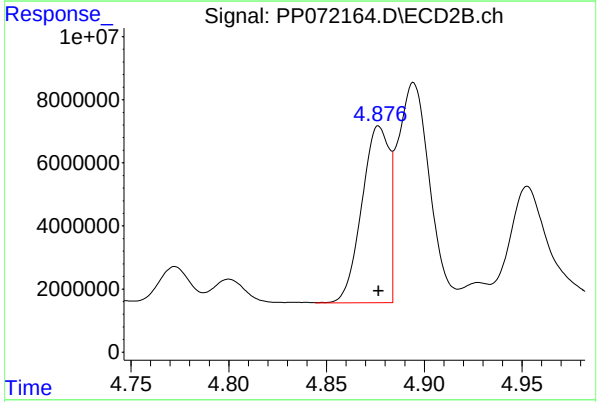
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 92020898
Conc: 91.41 ng/ml




#3 AR-1016-1

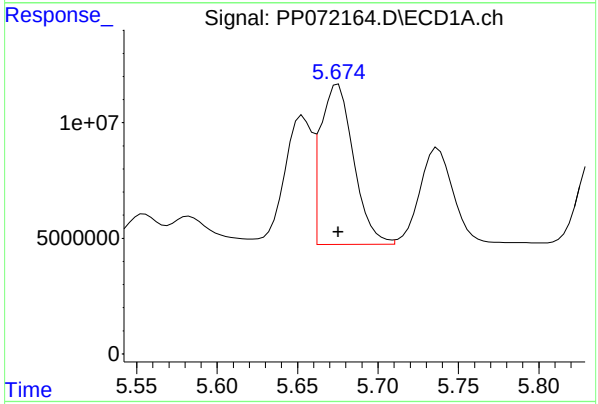
R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 66878491
Conc: 936.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000



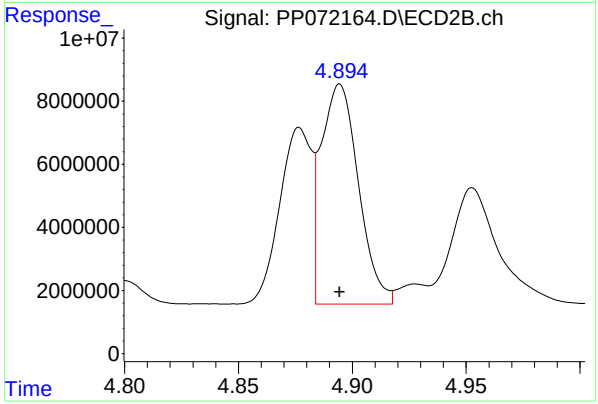

#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 54525663
Conc: 955.27 ng/ml



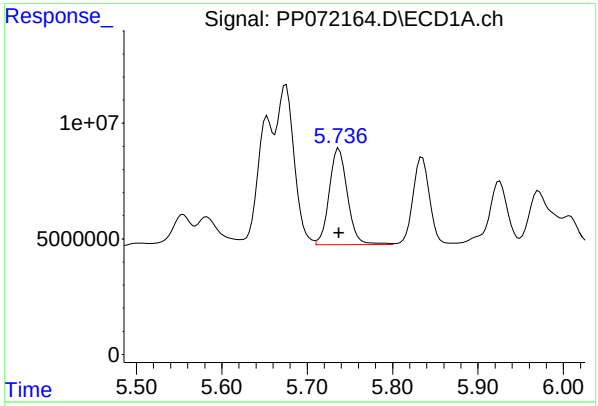

#4 AR-1016-2

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 99468528
Conc: 947.38 ng/ml




#4 AR-1016-2

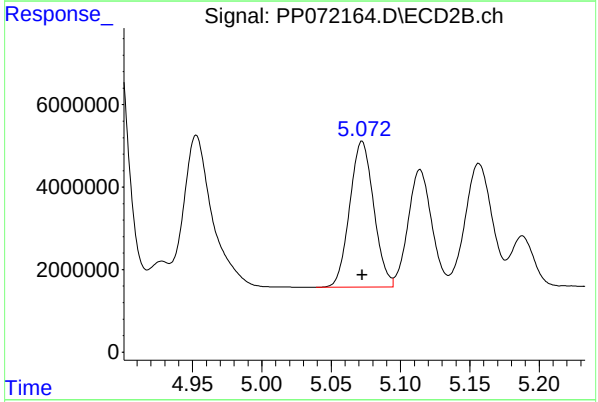
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 79772717
Conc: 966.58 ng/ml




#5 AR-1016-3

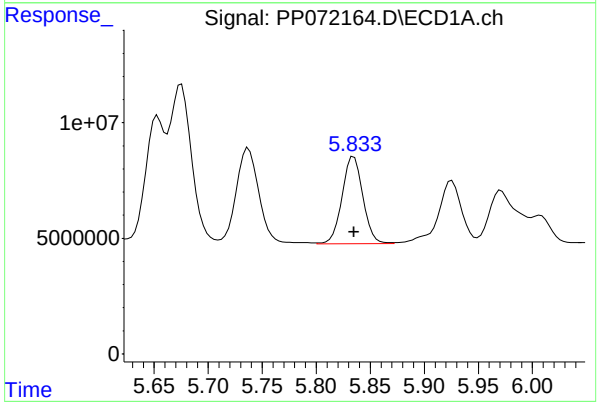
R.T.: 5.737 min
Delta R.T.: 0.000 min
Response: 61412187
Conc: 951.20 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000



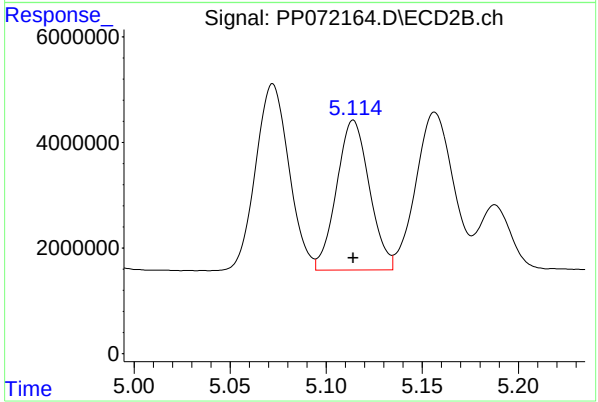

#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: 0.000 min
Response: 42641318
Conc: 947.88 ng/ml



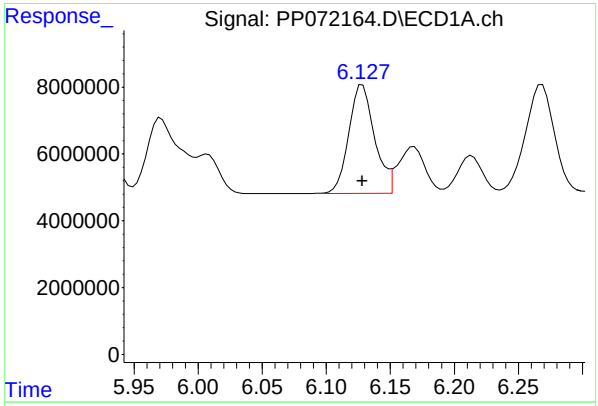

#6 AR-1016-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 50363803
Conc: 953.18 ng/ml




#6 AR-1016-4

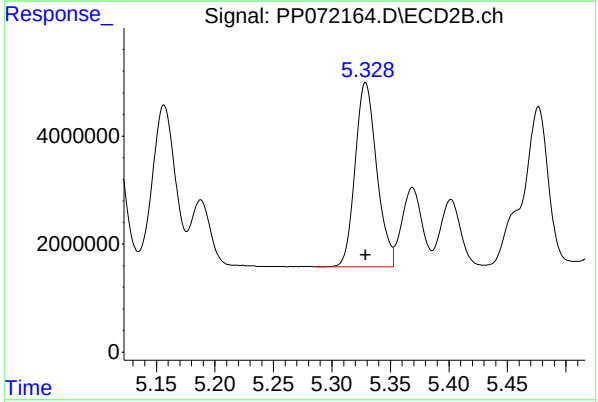
R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 33654246
Conc: 941.83 ng/ml




#7 AR-1016-5

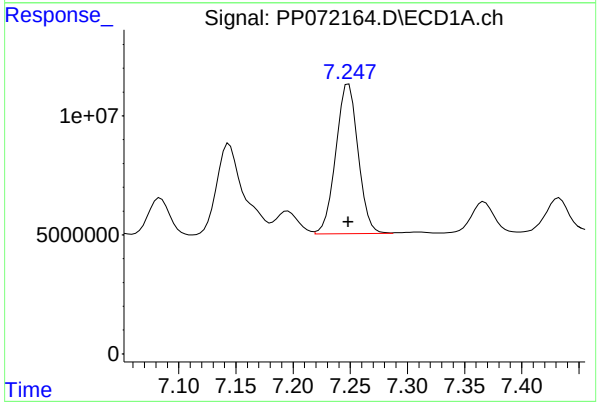
R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 45437165
Conc: 953.04 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000



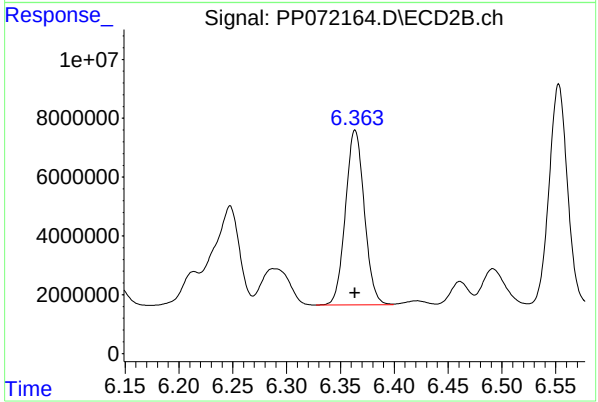

#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 43791070
Conc: 942.79 ng/ml



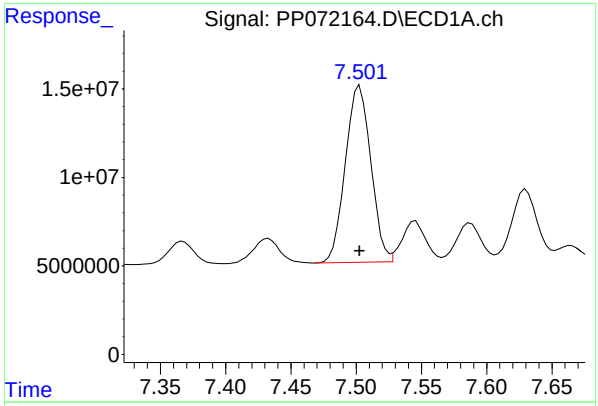

#31 AR-1260-1

R.T.: 7.249 min
Delta R.T.: 0.000 min
Response: 85553757
Conc: 953.19 ng/ml




#31 AR-1260-1

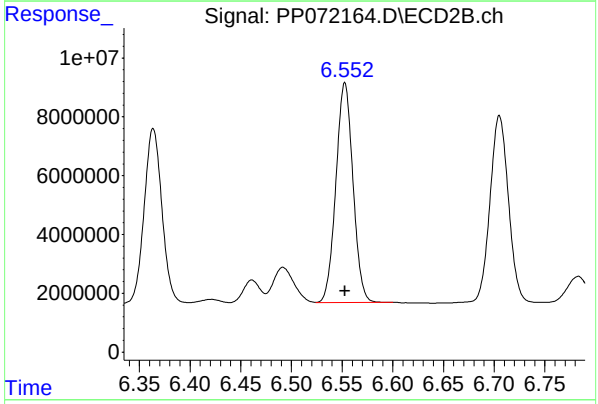
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 72244144
Conc: 946.74 ng/ml




#32 AR-1260-2

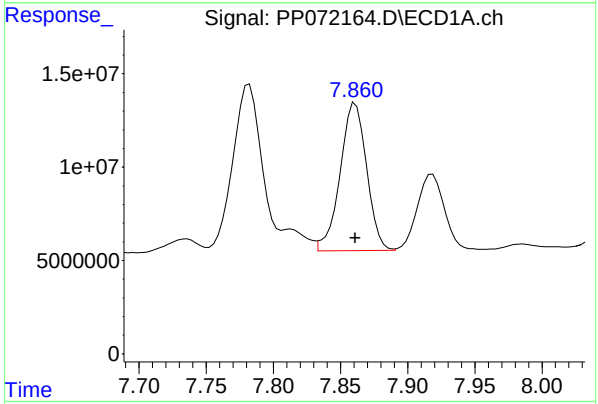
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 135650987
Conc: 971.50 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000



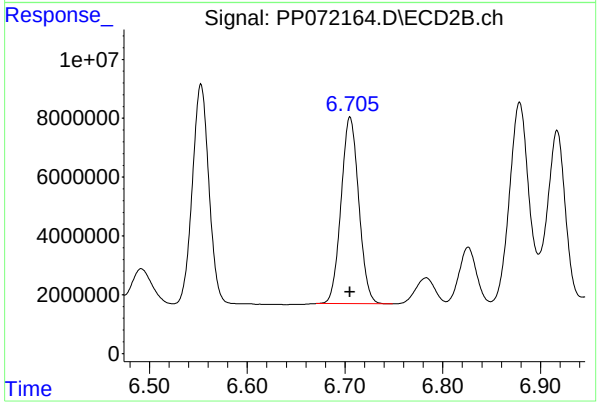

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 87664004
Conc: 941.84 ng/ml



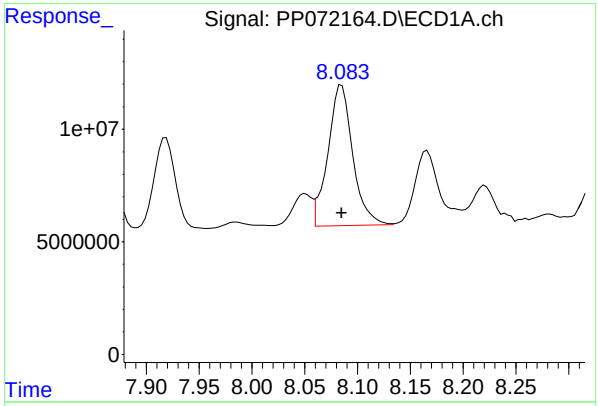

#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 109042220
Conc: 963.14 ng/ml




#33 AR-1260-3

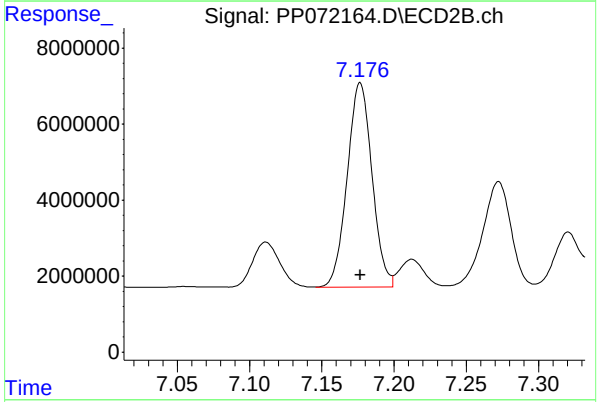
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 79909091
Conc: 946.53 ng/ml




#34 AR-1260-4

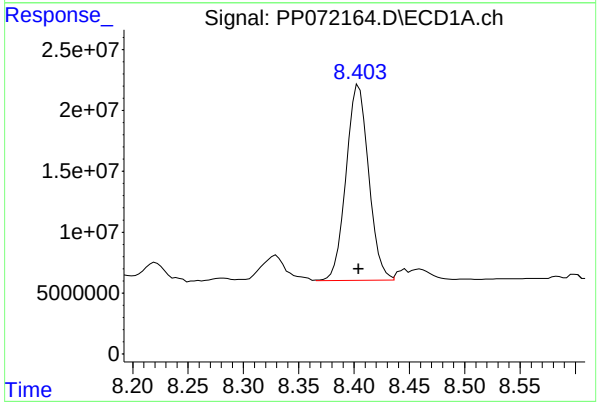
R.T.: 8.085 min
Delta R.T.: 0.000 min
Response: 102101329
Conc: 958.51 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000



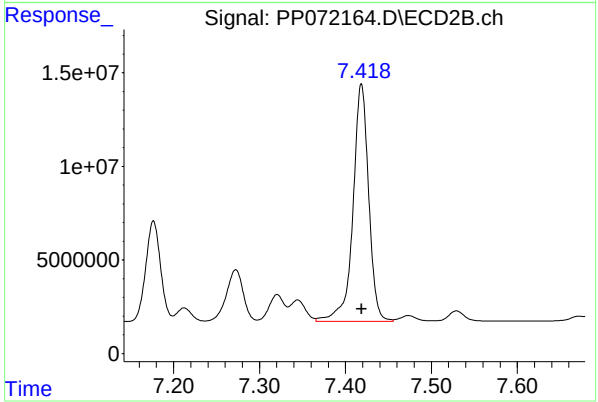

#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 64349922
Conc: 939.43 ng/ml




#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 228876095
Conc: 974.54 ng/ml




#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 161315528
Conc: 951.85 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:59
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.496 | 3.789 | 152.0E6 | 118.8E6 | 75.442 | 75.431 |
| 2) | SA Decachlor... | 10.213 | 8.822 | 121.3E6 | 78372372 | 75.657 | 76.878 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.652 | 4.876 | 52371638 | 44137111 | 738.609 | 765.351 |
| 4) | L1 AR-1016-2 | 5.673 | 4.894 | 78350662 | 64615816 | 747.492 | 771.637 |
| 5) | L1 AR-1016-3 | 5.736 | 5.071 | 48176186 | 34764296 | 747.454 | 765.036 |
| 6) | L1 AR-1016-4 | 5.833 | 5.114 | 40053007 | 27566181 | 755.339 | 764.168 |
| 7) | L1 AR-1016-5 | 6.127 | 5.328 | 35956306 | 35808108 | 752.783 | 763.822 |
| 31) | L7 AR-1260-1 | 7.247 | 6.363 | 67759813 | 56480819 | 753.285 | 743.413 |
| 32) | L7 AR-1260-2 | 7.500 | 6.552 | 103.3E6 | 67774056 | 743.256 | 735.291 |
| 33) | L7 AR-1260-3 | 7.860 | 6.705 | 84615905 | 60994772 | 748.257 | 731.431 |
| 34) | L7 AR-1260-4 | 8.084 | 7.176 | 80330794 | 50763991 | 752.749 | 744.038 |
| 35) | L7 AR-1260-5 | 8.404 | 7.418 | 175.3E6 | 125.2E6 | 747.551 | 742.474 |

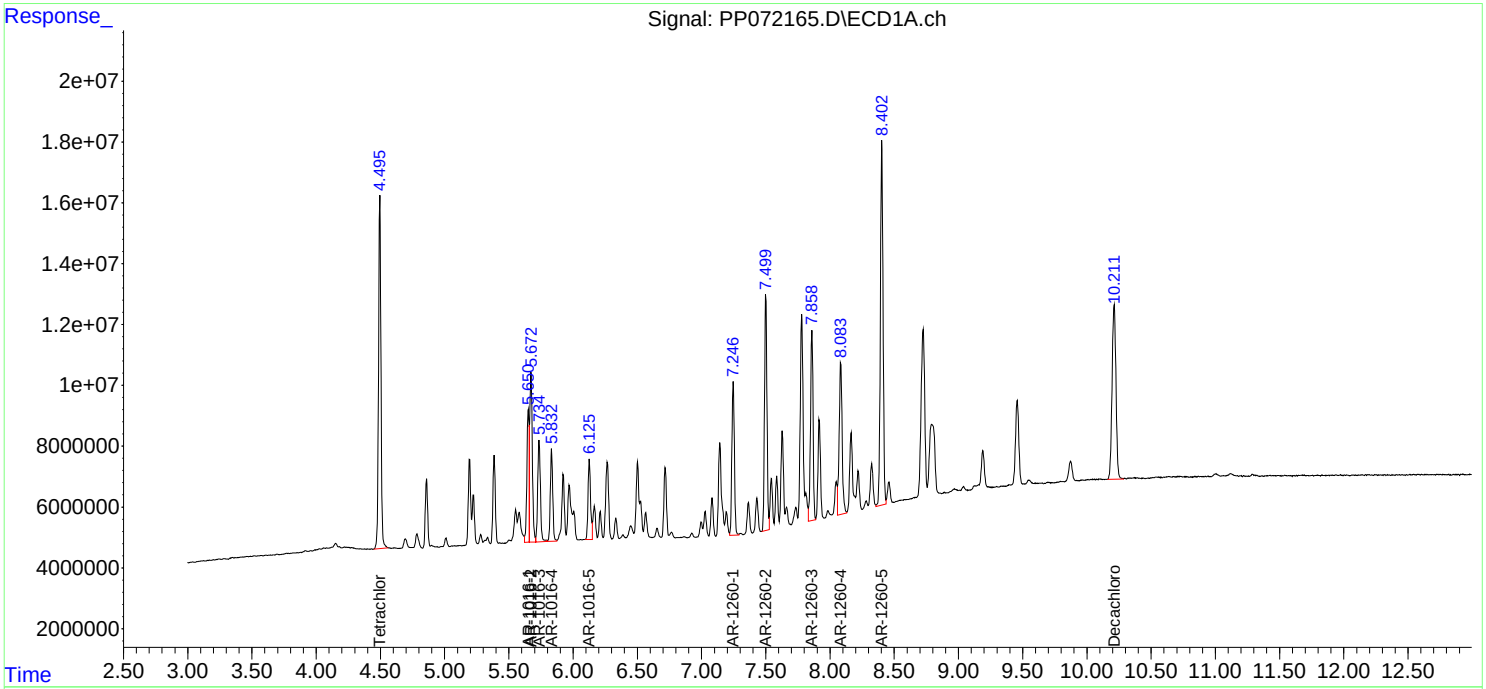
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

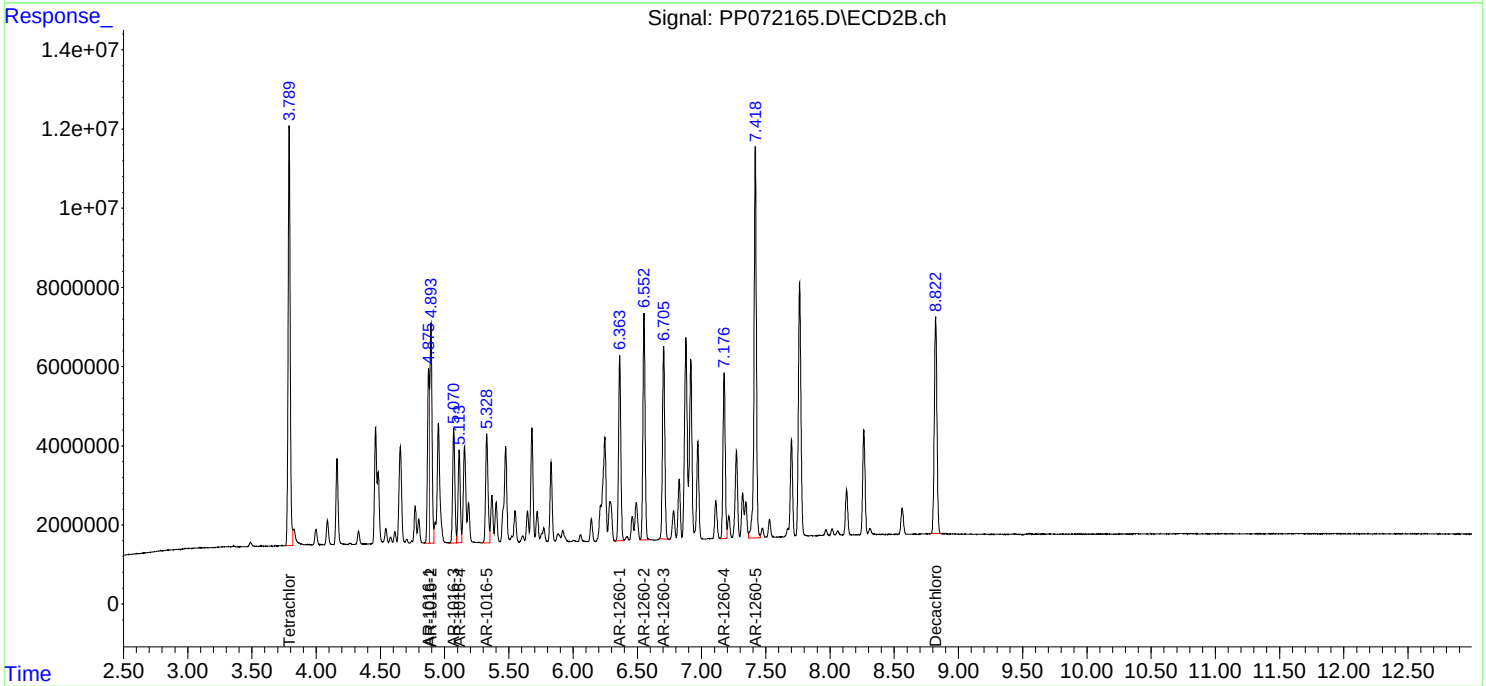
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:59
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

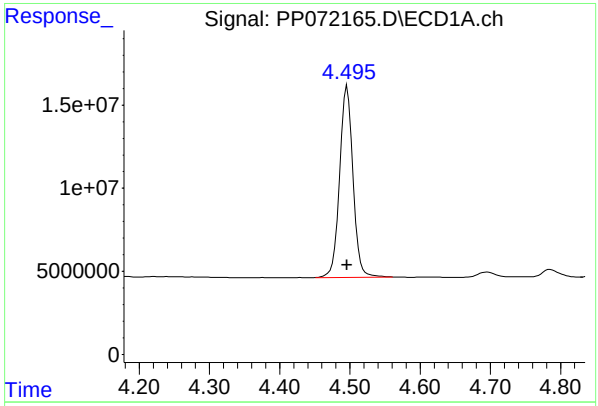
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



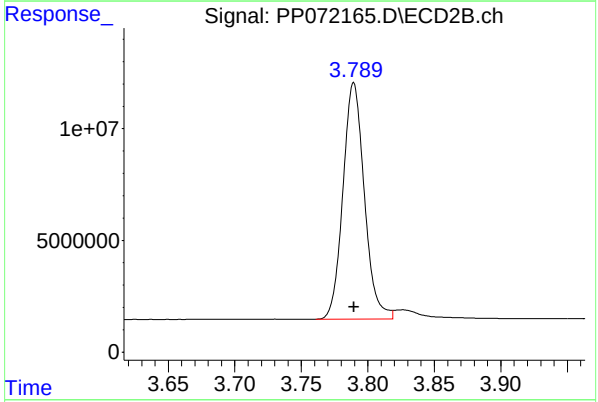






#1 Tetrachloro-m-xylene

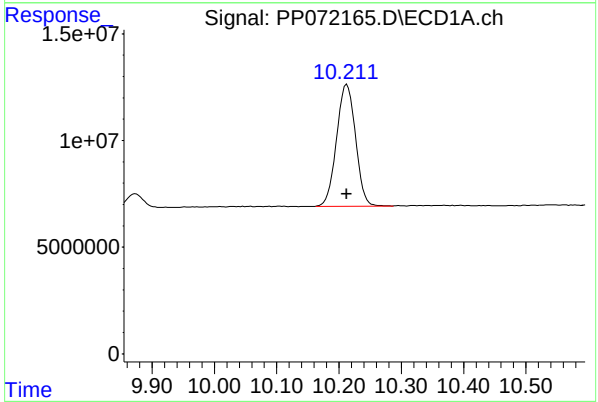
R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 151992150
Conc: 75.44 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750



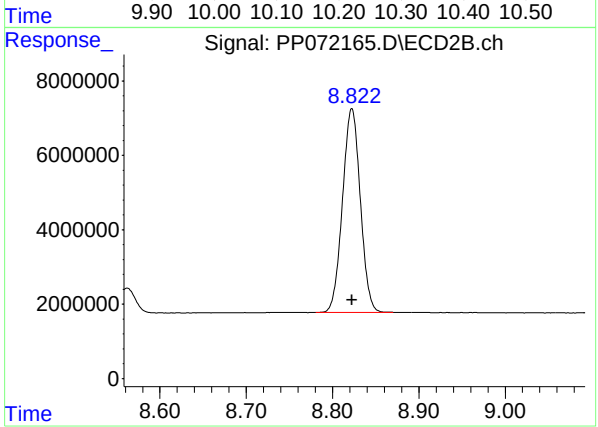

#1 Tetrachloro-m-xylene

R.T.: 3.789 min
Delta R.T.: 0.000 min
Response: 118818233
Conc: 75.43 ng/ml



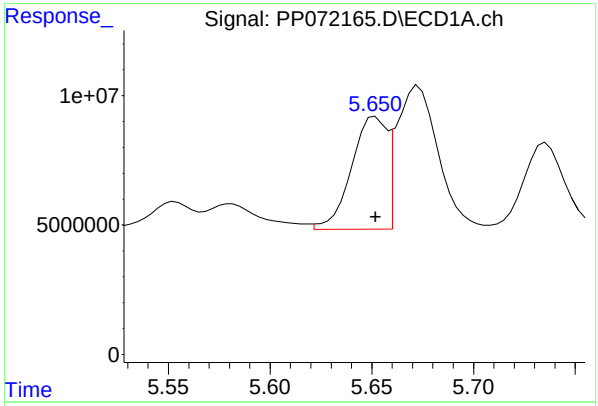

#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 121319339
Conc: 75.66 ng/ml




#2 Decachlorobiphenyl

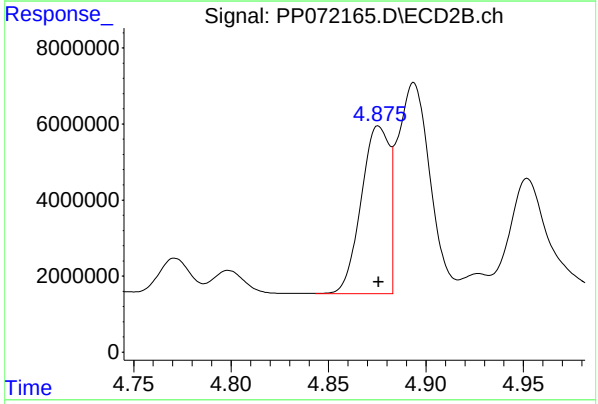
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 78372372
Conc: 76.88 ng/ml




#3 AR-1016-1

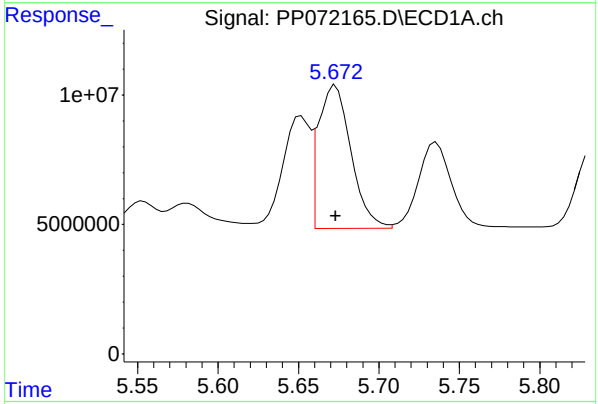
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 52371638
Conc: 738.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750



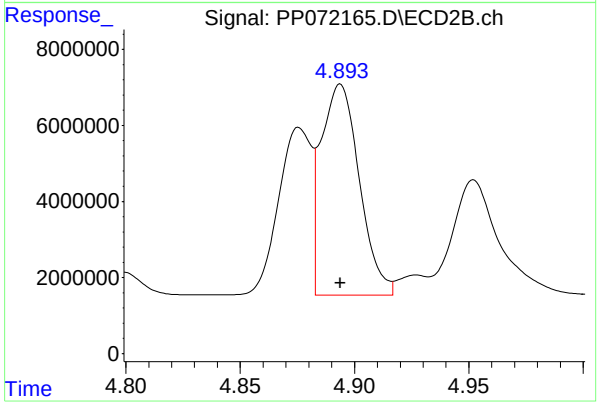

#3 AR-1016-1

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 44137111
Conc: 765.35 ng/ml



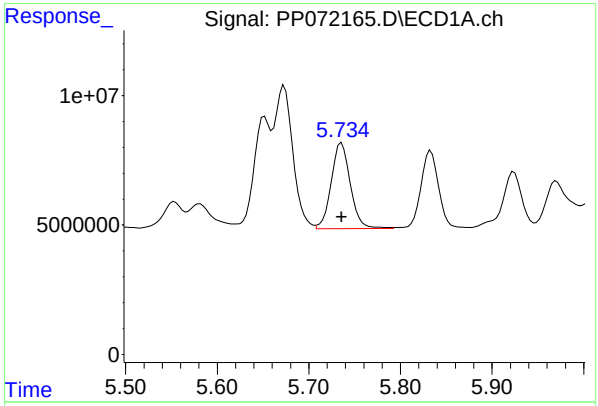

#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 78350662
Conc: 747.49 ng/ml




#4 AR-1016-2

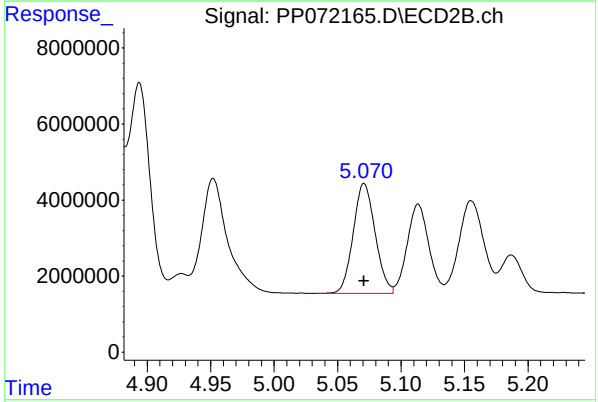
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 64615816
Conc: 771.64 ng/ml




#5 AR-1016-3

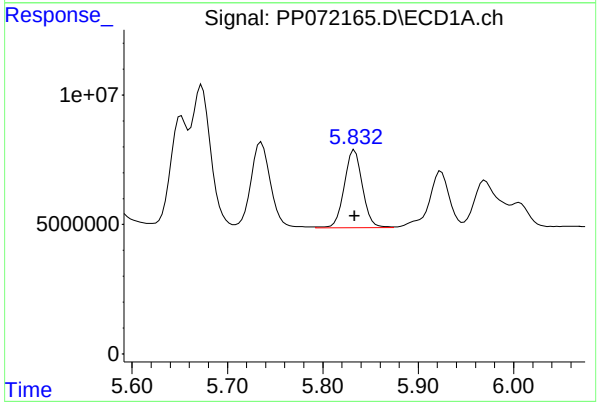
R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 48176186
Conc: 747.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750



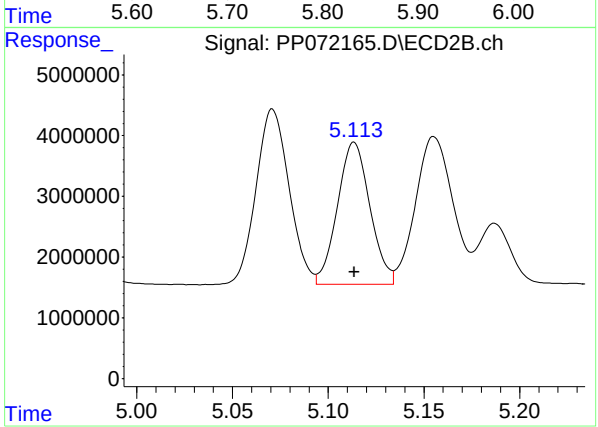

#5 AR-1016-3

R.T.: 5.071 min
Delta R.T.: 0.000 min
Response: 34764296
Conc: 765.04 ng/ml



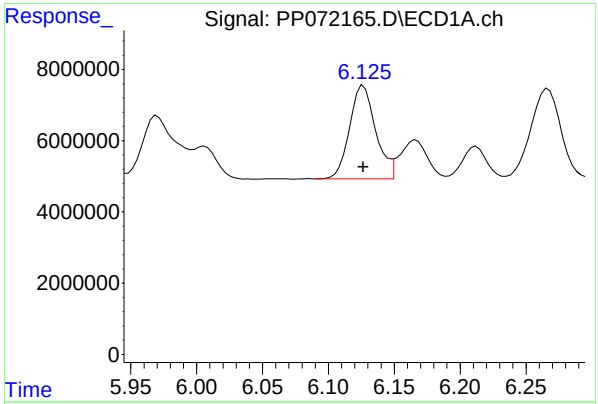

#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 40053007
Conc: 755.34 ng/ml




#6 AR-1016-4

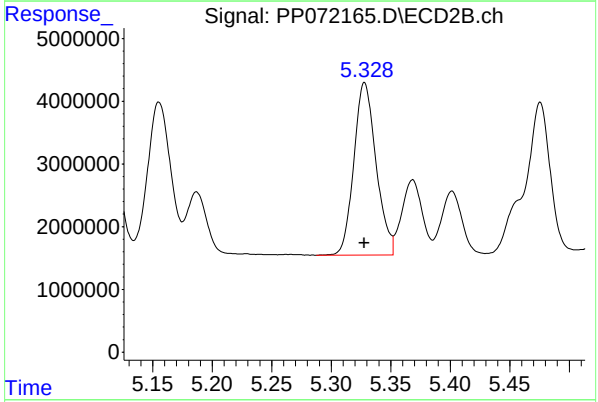
R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 27566181
Conc: 764.17 ng/ml




#7 AR-1016-5

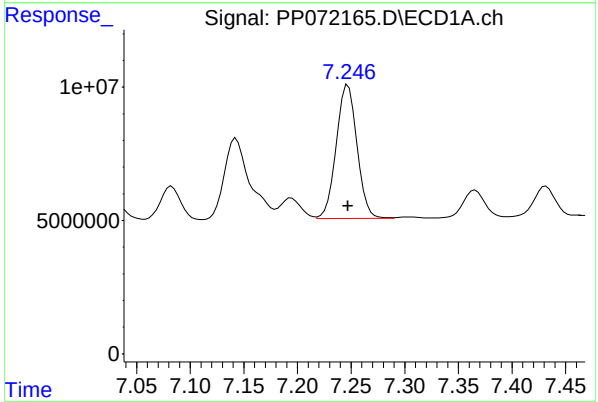
R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 35956306
Conc: 752.78 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750



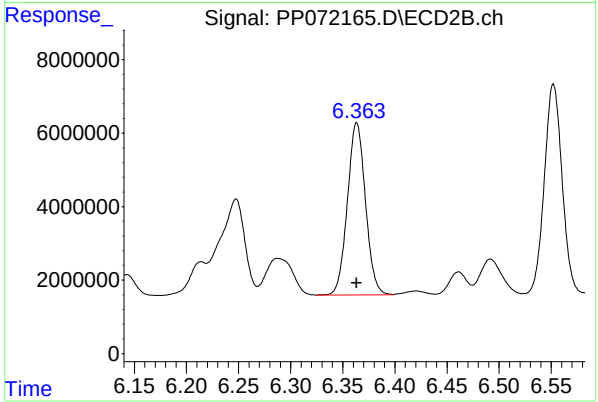

#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: 0.000 min
Response: 35808108
Conc: 763.82 ng/ml



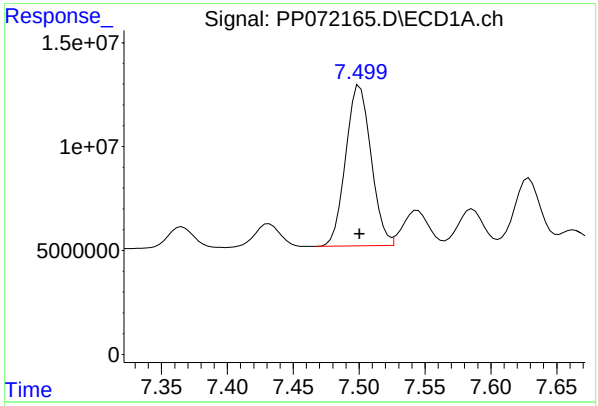

#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 67759813
Conc: 753.28 ng/ml




#31 AR-1260-1

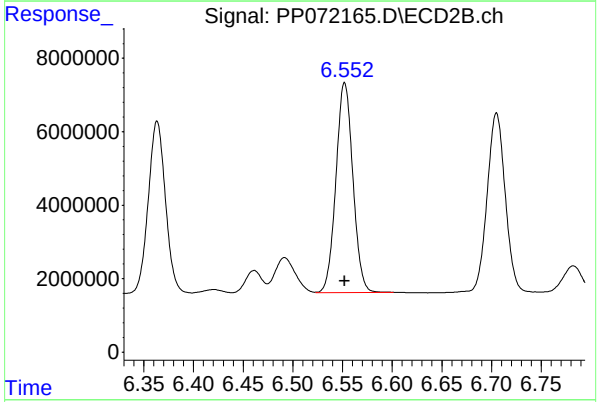
R.T.: 6.363 min
Delta R.T.: 0.000 min
Response: 56480819
Conc: 743.41 ng/ml




#32 AR-1260-2

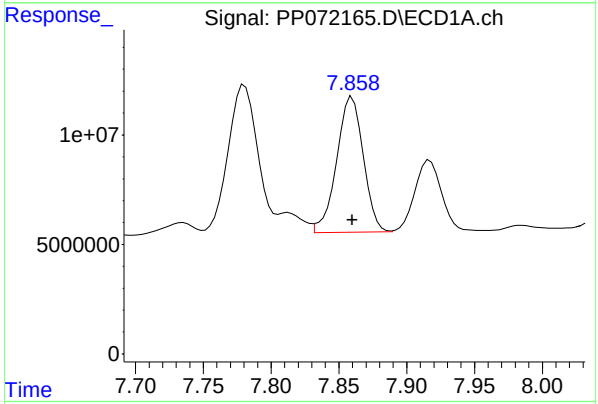
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 103316307
Conc: 743.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750



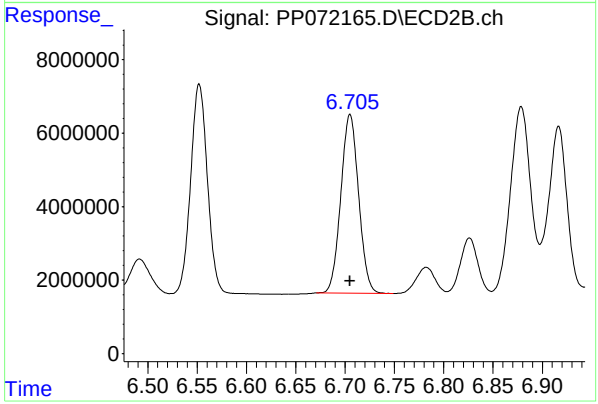

#32 AR-1260-2

R.T.: 6.552 min
Delta R.T.: 0.000 min
Response: 67774056
Conc: 735.29 ng/ml



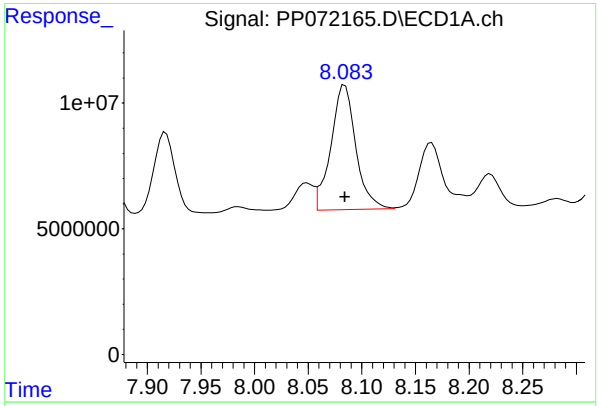

#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: 0.000 min
Response: 84615905
Conc: 748.26 ng/ml




#33 AR-1260-3

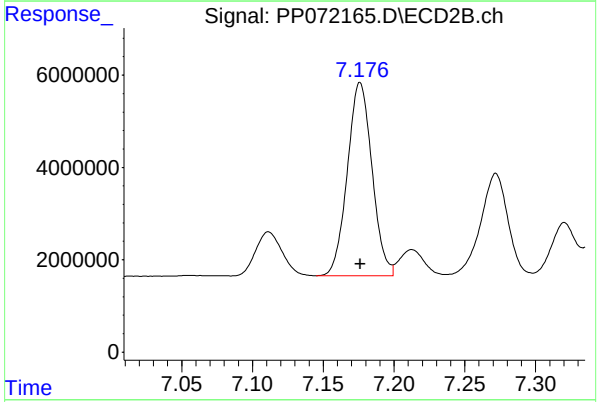
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 60994772
Conc: 731.43 ng/ml




#34 AR-1260-4

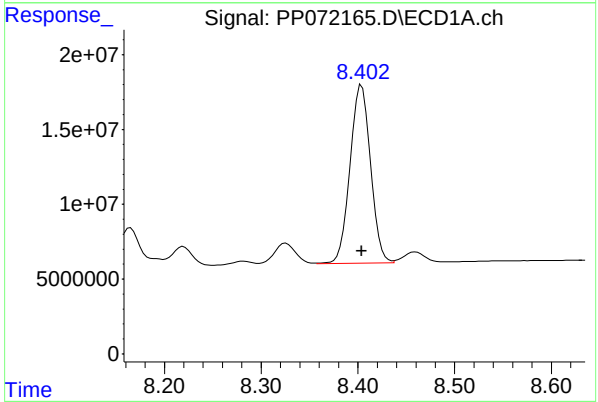
R.T.: 8.084 min
Delta R.T.: 0.000 min
Response: 80330794
Conc: 752.75 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750



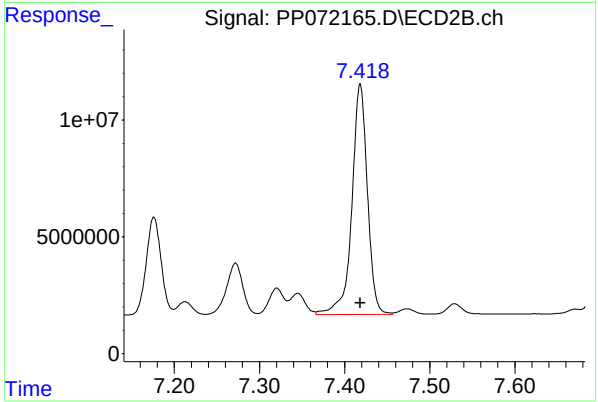

#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 50763991
Conc: 744.04 ng/ml




#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 175280166
Conc: 747.55 ng/ml




#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 125203183
Conc: 742.47 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:15
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:55:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.496 | 3.791 | 103.6E6 | 79685211 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.213 | 8.823 | 82738232 | 54656808 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.652 | 4.877 | 38005022 | 29816144 | 500.000 | 500.000 |
| 4) | L1 AR-1016-2 | 5.674 | 4.895 | 55259111 | 42644379 | 500.000 | 500.000 |
| 5) | L1 AR-1016-3 | 5.736 | 5.073 | 33857030 | 23665215 | 500.000 | 500.000 |
| 6) | L1 AR-1016-4 | 5.834 | 5.115 | 27655933 | 18905601 | 500.000 | 500.000 |
| 7) | L1 AR-1016-5 | 6.127 | 5.329 | 24957303 | 24552684 | 500.000 | 500.000 |
| 31) | L7 AR-1260-1 | 7.247 | 6.364 | 46978579 | 40186653 | 500.000 | 500.000 |
| 32) | L7 AR-1260-2 | 7.501 | 6.553 | 71804602 | 49245044 | 500.000 | 500.000 |
| 33) | L7 AR-1260-3 | 7.860 | 6.706 | 58694311 | 44468768 | 500.000 | 500.000 |
| 34) | L7 AR-1260-4 | 8.085 | 7.177 | 55470384 | 36323860 | 500.000 | 500.000 |
| 35) | L7 AR-1260-5 | 8.403 | 7.419 | 120.4E6 | 88817890 | 500.000 | 500.000 |

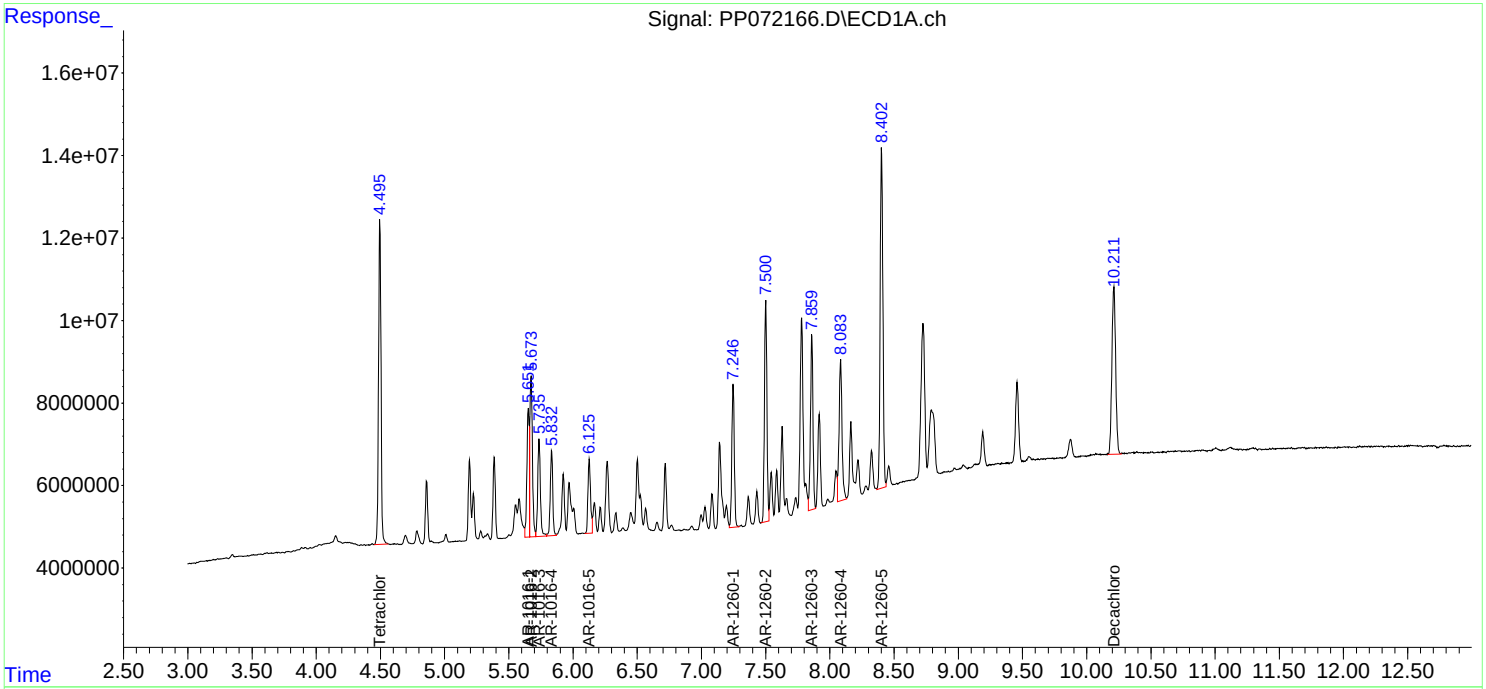
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

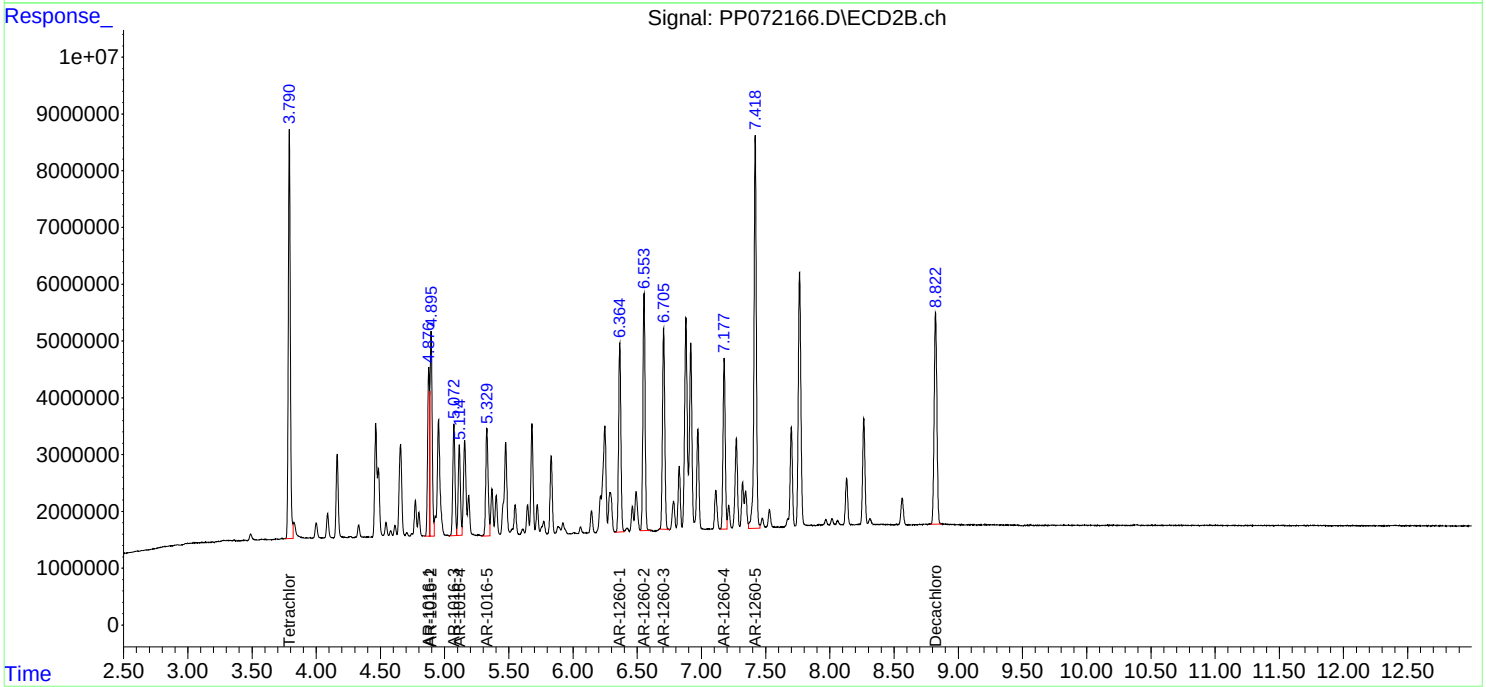
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:15
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

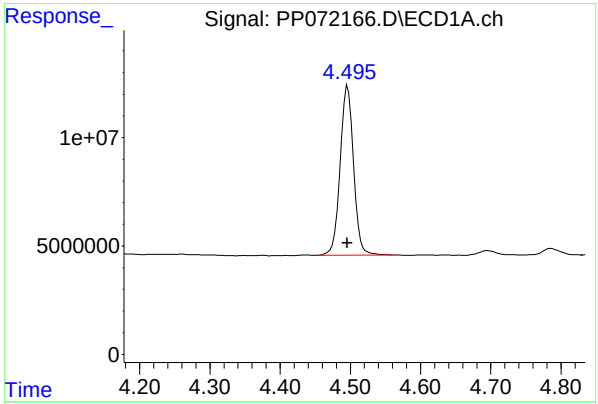
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:55:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



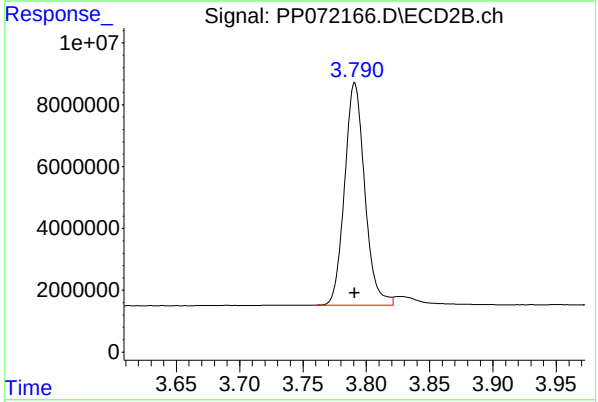






#1 Tetrachloro-m-xylene

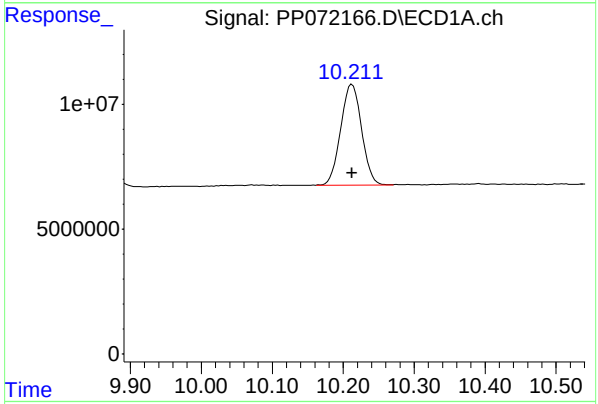
R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 103640362
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500



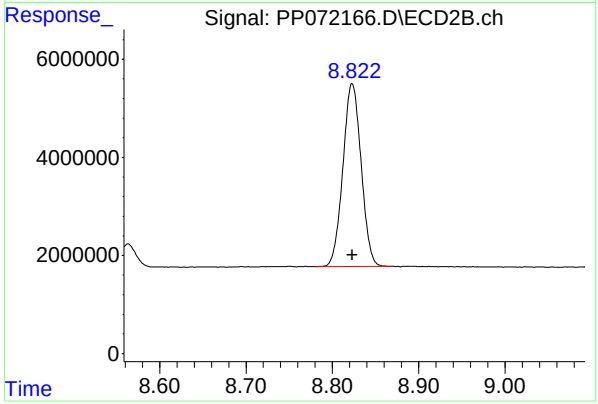

#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: 0.000 min
Response: 79685211
Conc: 50.00 ng/ml



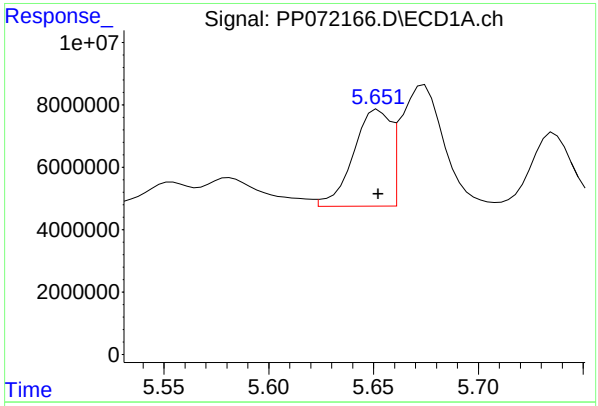

#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 82738232
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

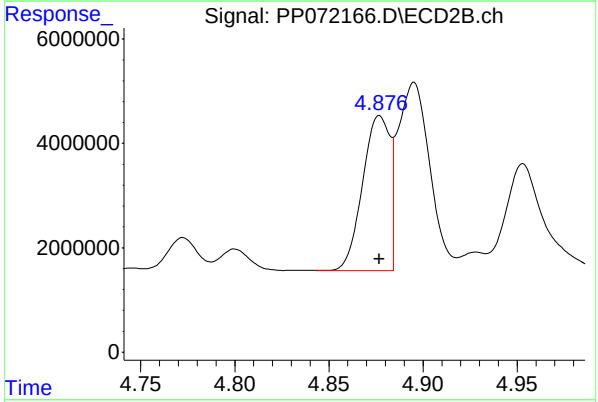
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 54656808
Conc: 50.00 ng/ml




#3 AR-1016-1

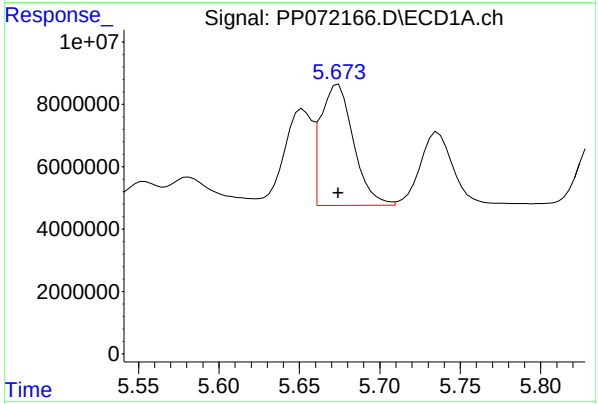
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 38005022
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500



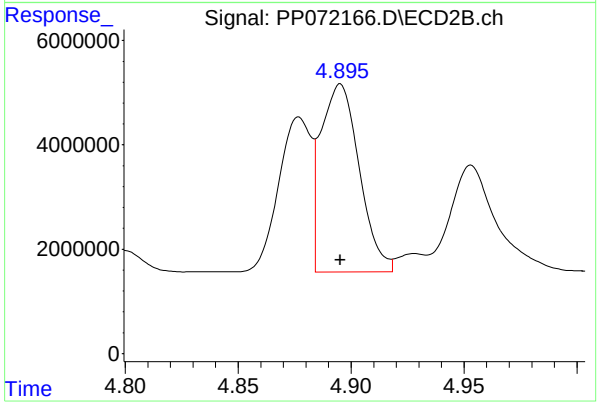

#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 29816144
Conc: 500.00 ng/ml



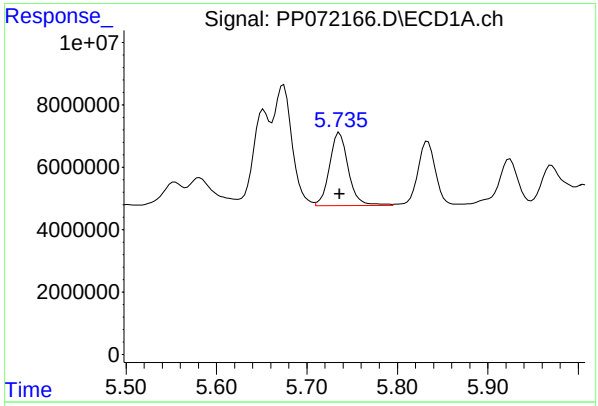

#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 55259111
Conc: 500.00 ng/ml




#4 AR-1016-2

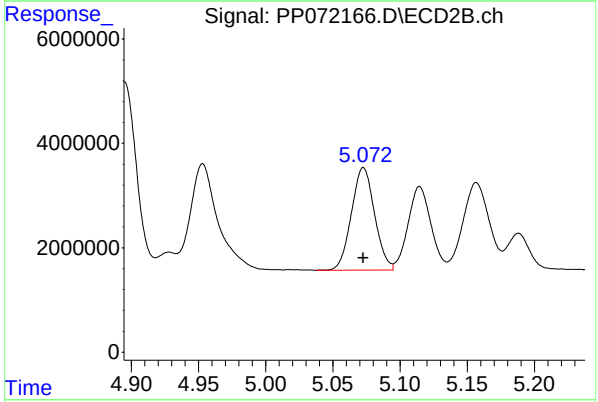
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 42644379
Conc: 500.00 ng/ml




#5 AR-1016-3

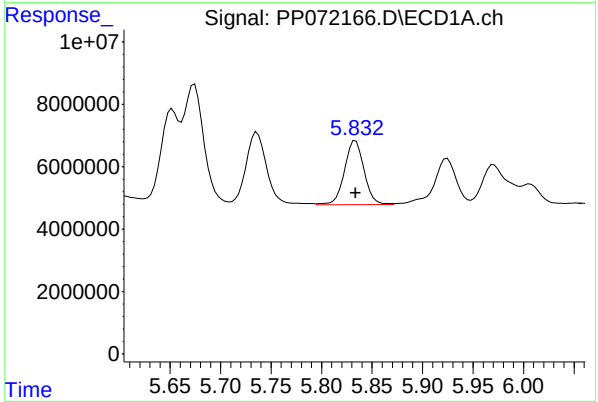
R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 33857030
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500



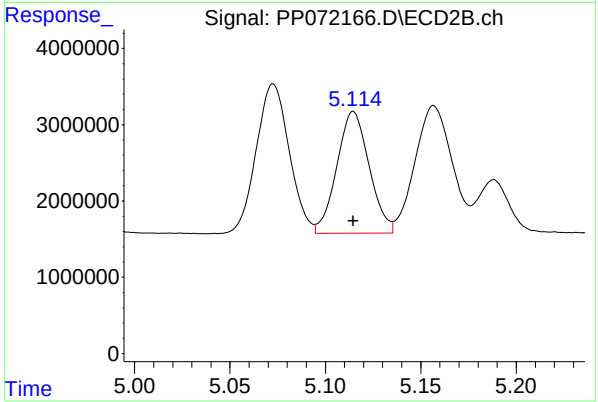

#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 23665215
Conc: 500.00 ng/ml



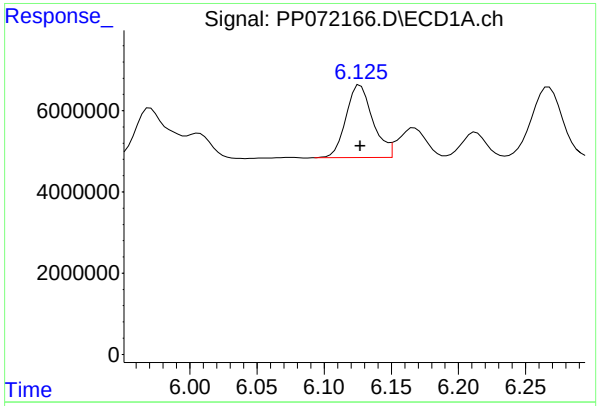

#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 27655933
Conc: 500.00 ng/ml




#6 AR-1016-4

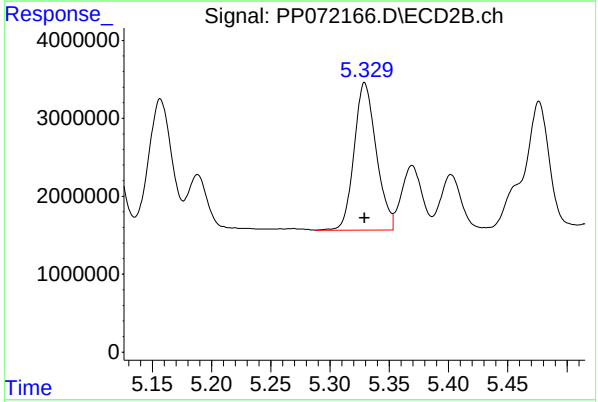
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 18905601
Conc: 500.00 ng/ml




#7 AR-1016-5

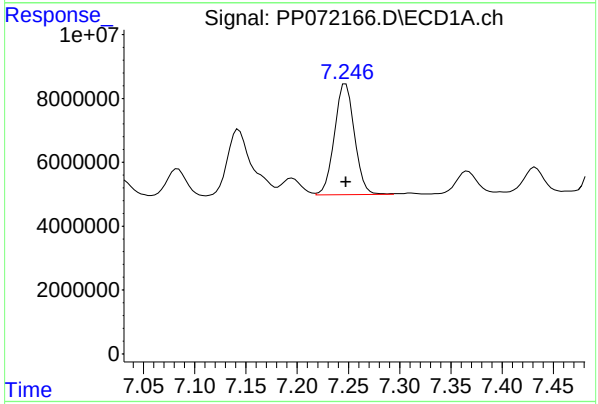
R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 24957303
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500



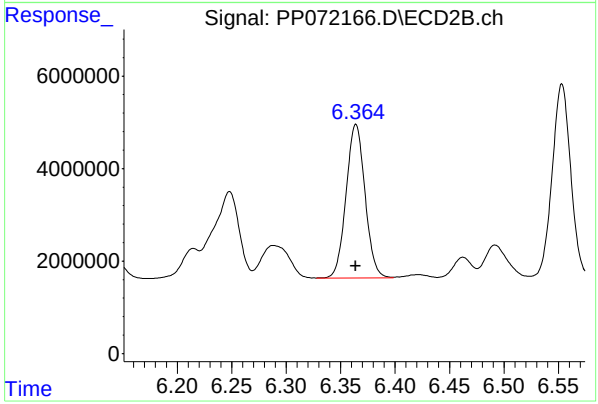

#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 24552684
Conc: 500.00 ng/ml



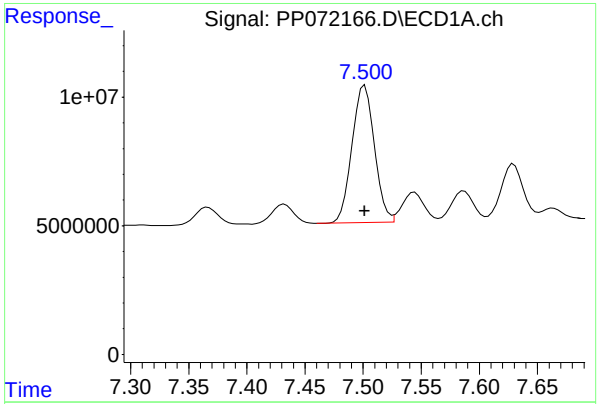

#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 46978579
Conc: 500.00 ng/ml




#31 AR-1260-1

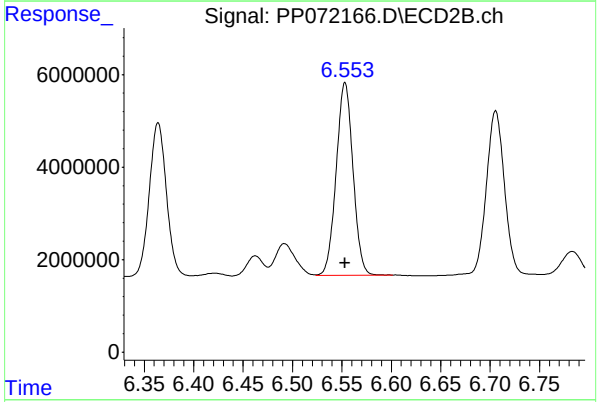
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 40186653
Conc: 500.00 ng/ml




#32 AR-1260-2

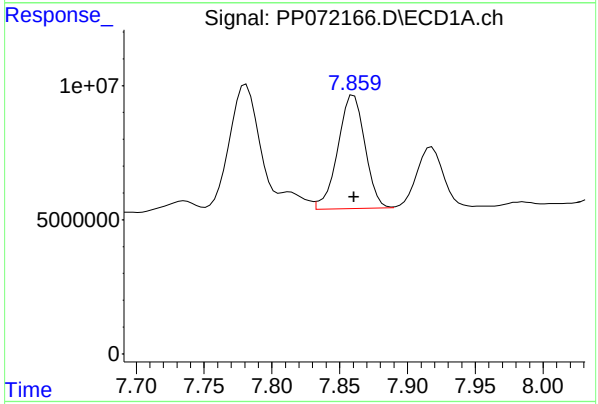
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 71804602
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500



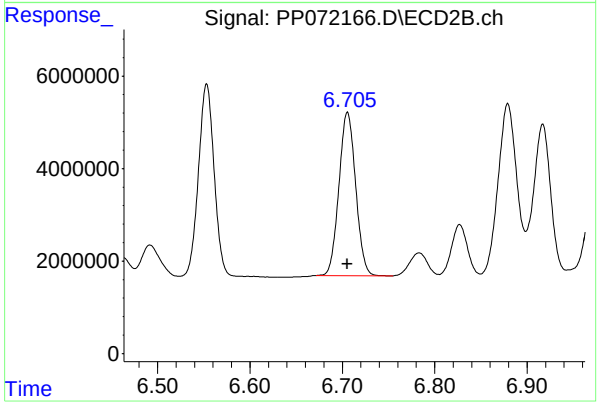

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 49245044
Conc: 500.00 ng/ml



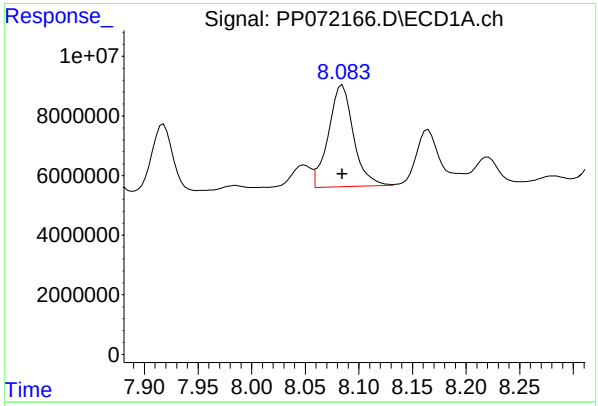

#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: 0.000 min
Response: 58694311
Conc: 500.00 ng/ml




#33 AR-1260-3

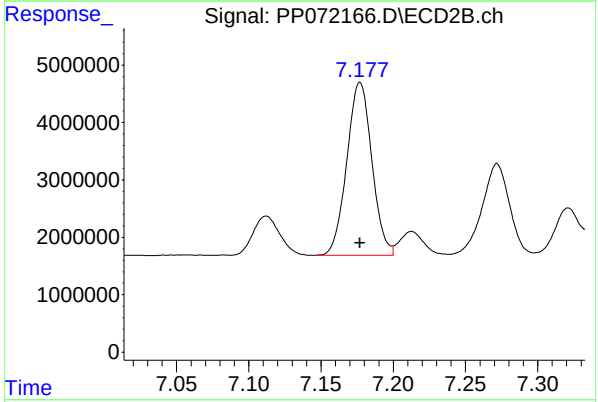
R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 44468768
Conc: 500.00 ng/ml




#34 AR-1260-4

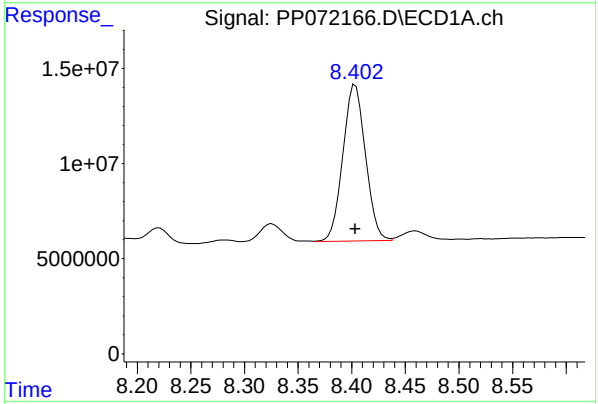
R.T.: 8.085 min
Delta R.T.: 0.000 min
Response: 55470384
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500



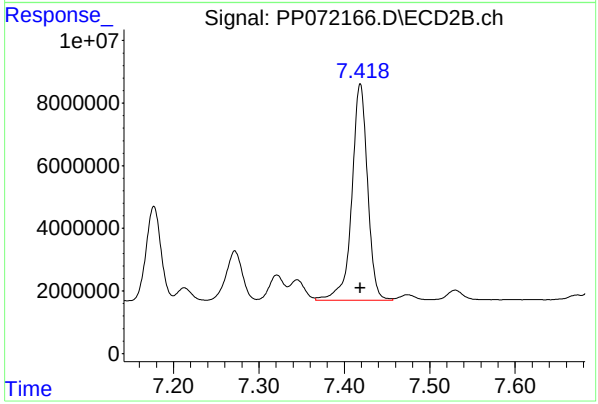

#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 36323860
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 120417133
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 88817890
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:32
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.792 | 53397667 | 40989034 | 26.111 | 25.758 |
| 2) | SA Decachlor... | 10.213 | 8.823 | 42804673 | 29089475 | 26.249 | 27.561 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.655 | 4.878 | 20802992 | 16128858 | 281.189 | 271.618 |
| 4) | L1 AR-1016-2 | 5.676 | 4.896 | 29644893 | 23113324 | 273.834 | 269.018 |
| 5) | L1 AR-1016-3 | 5.739 | 5.073 | 18387723 | 12747298 | 275.562 | 272.213 |
| 6) | L1 AR-1016-4 | 5.837 | 5.115 | 14555177 | 10380280 | 267.927 | 277.285 |
| 7) | L1 AR-1016-5 | 6.130 | 5.330 | 12797446 | 13425333 | 263.209 | 276.324 |
| 31) | L7 AR-1260-1 | 7.248 | 6.364 | 24515226 | 21211058 | 266.529 | 271.268 |
| 32) | L7 AR-1260-2 | 7.504 | 6.553 | 37350124 | 26231122 | 263.765 | 275.072 |
| 33) | L7 AR-1260-3 | 7.862 | 6.705 | 30309213 | 23123504 | 263.279 | 269.924 |
| 34) | L7 AR-1260-4 | 8.086 | 7.177 | 28647958 | 19427779 | 263.586 | 275.187 |
| 35) | L7 AR-1260-5 | 8.406 | 7.418 | 62484280 | 46879399 | 262.166 | 270.430 |

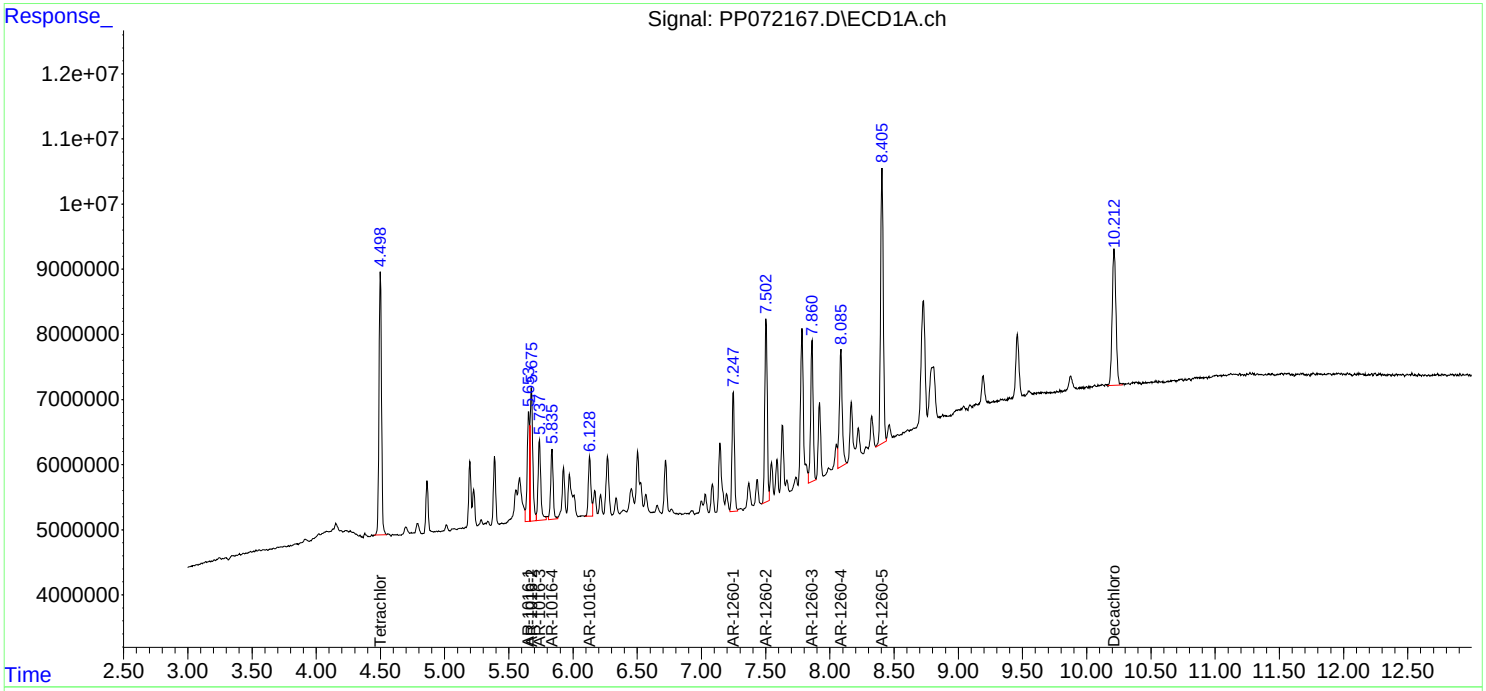
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

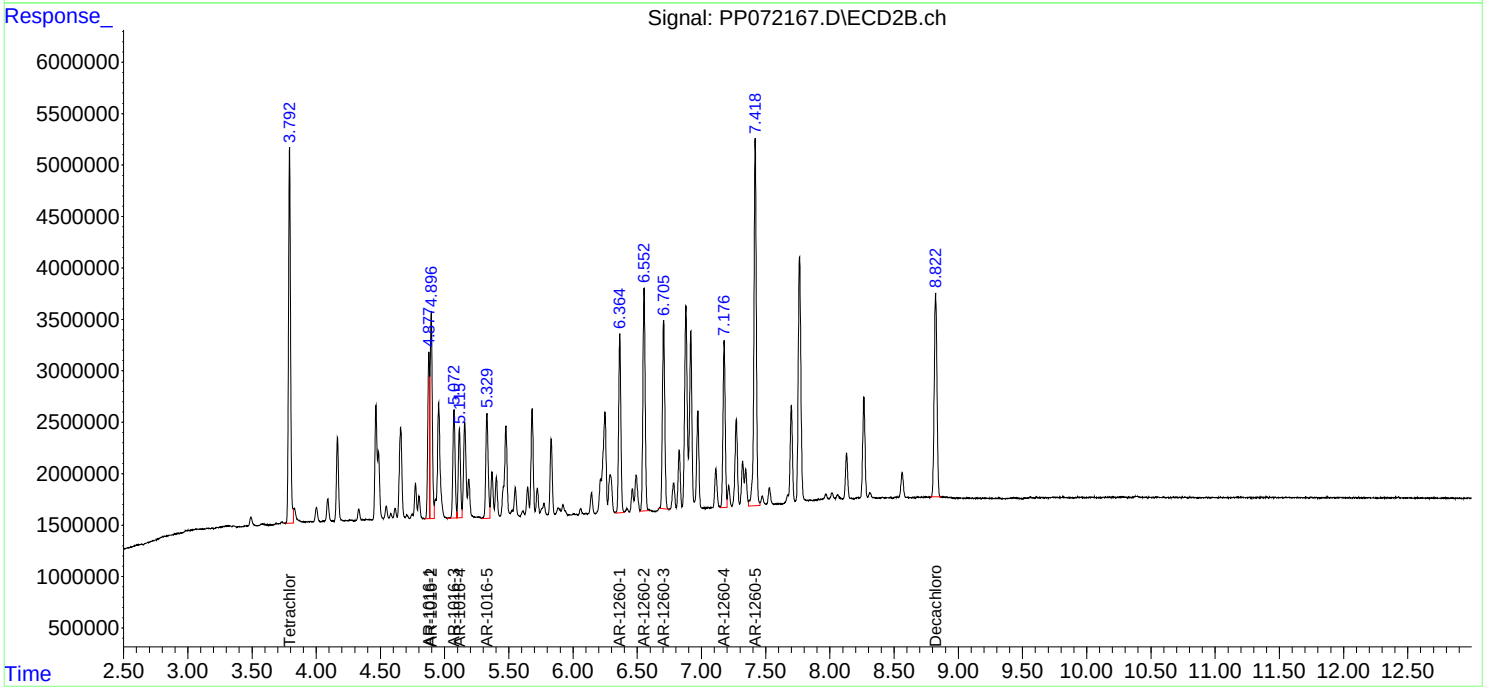
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:32
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

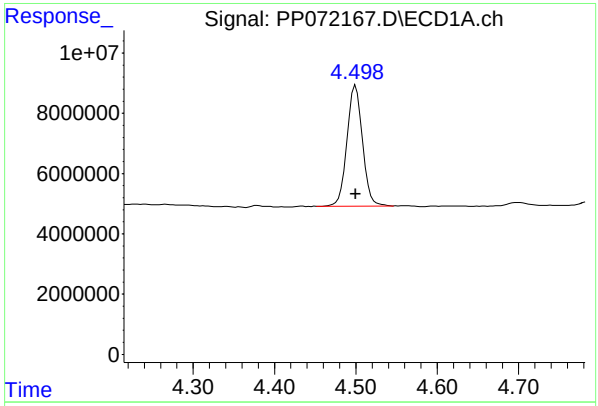
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



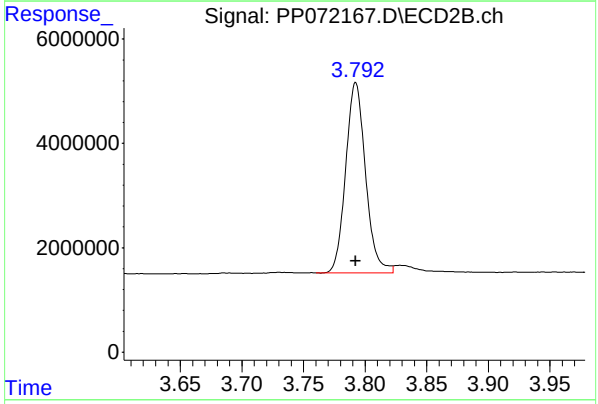






#1 Tetrachloro-m-xylene

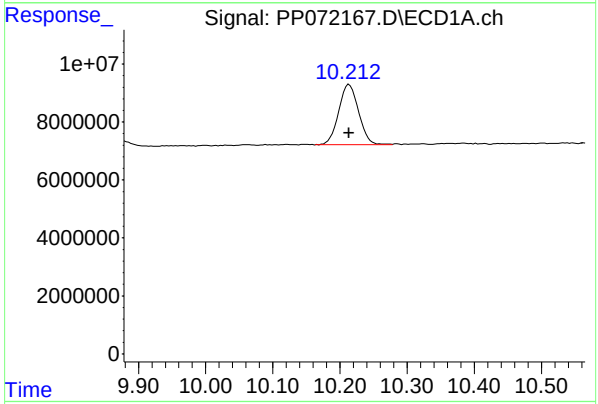
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 53397667
Conc: 26.11 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250



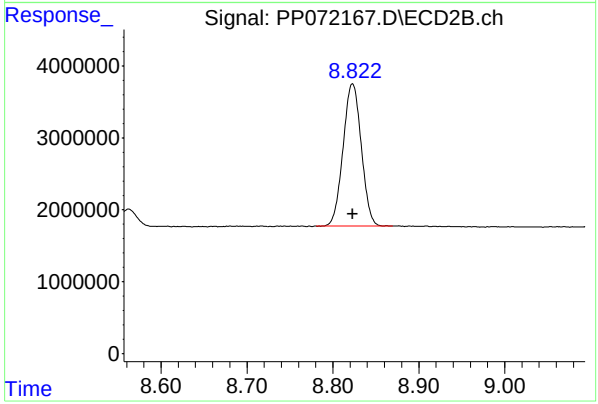

#1 Tetrachloro-m-xylene

R.T.: 3.792 min
Delta R.T.: 0.000 min
Response: 40989034
Conc: 25.76 ng/ml



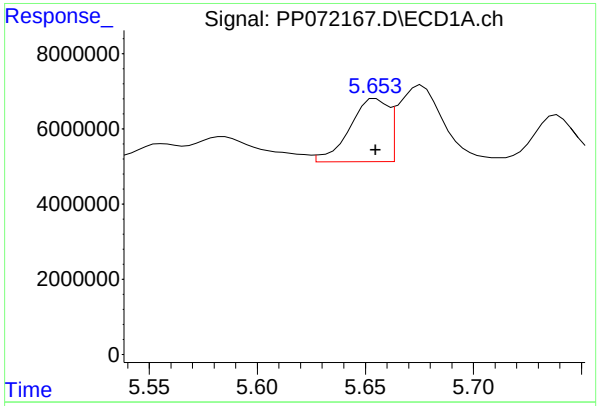

#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 42804673
Conc: 26.25 ng/ml




#2 Decachlorobiphenyl

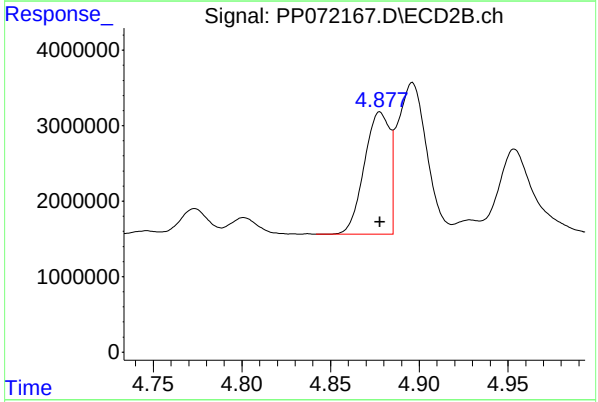
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 29089475
Conc: 27.56 ng/ml




#3 AR-1016-1

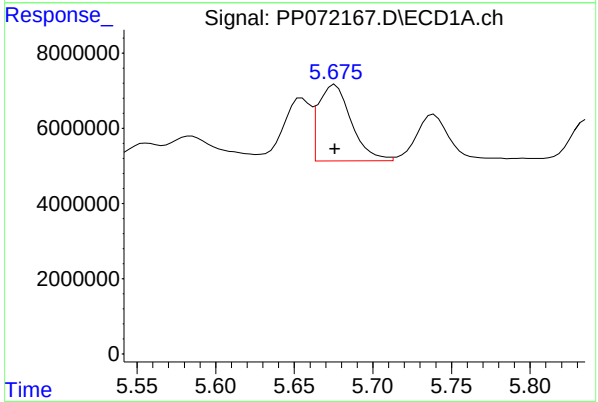
R.T.: 5.655 min
Delta R.T.: 0.000 min
Response: 20802992
Conc: 281.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250



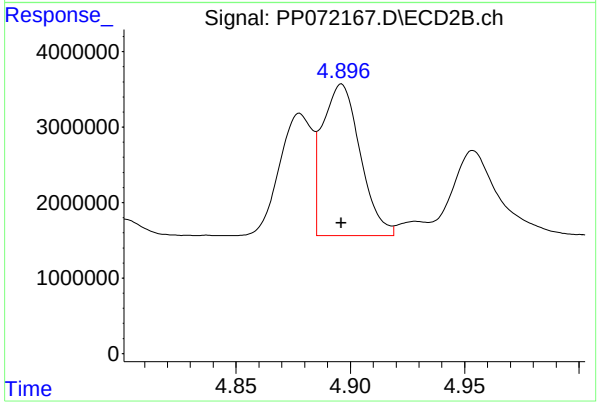

#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 16128858
Conc: 271.62 ng/ml



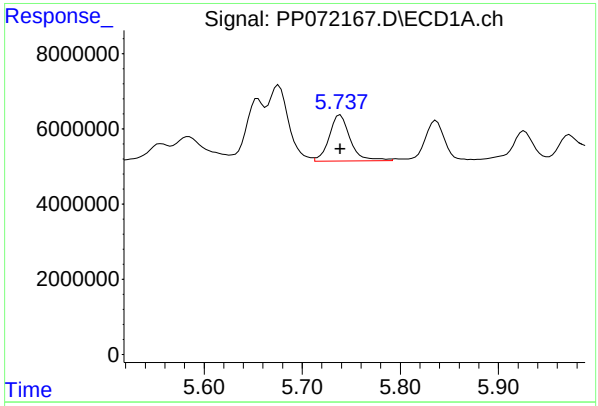

#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 29644893
Conc: 273.83 ng/ml




#4 AR-1016-2

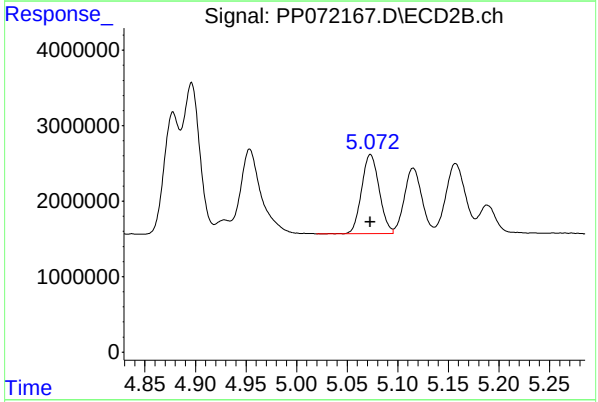
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 23113324
Conc: 269.02 ng/ml




#5 AR-1016-3

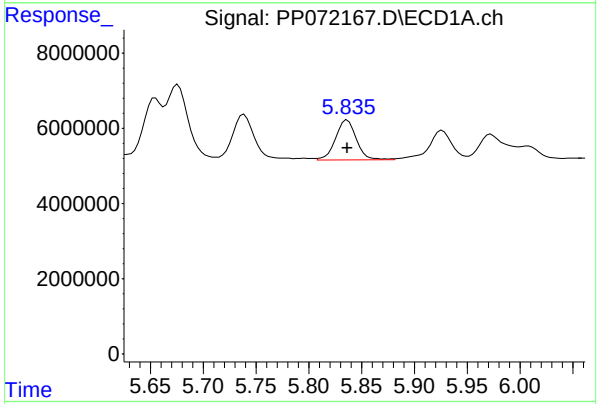
R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 18387723
Conc: 275.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250



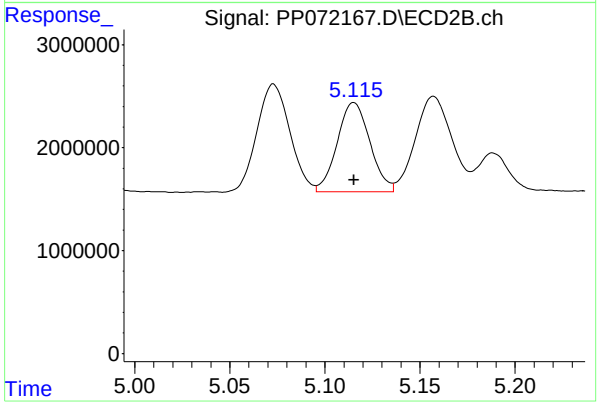

#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 12747298
Conc: 272.21 ng/ml



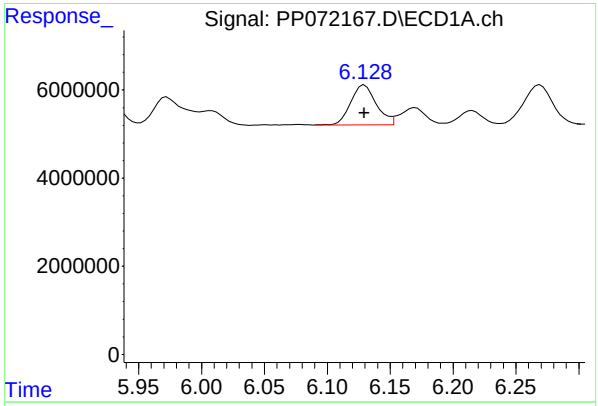

#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 14555177
Conc: 267.93 ng/ml




#6 AR-1016-4

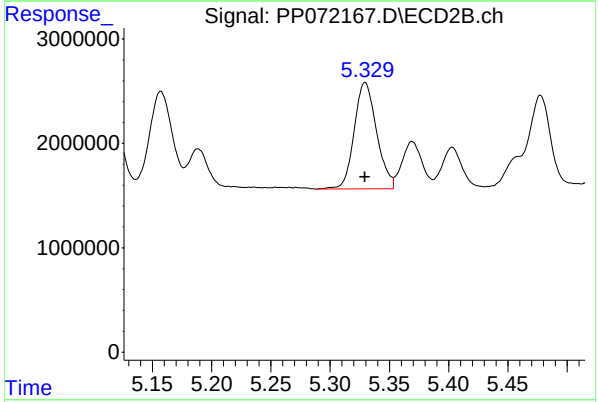
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 10380280
Conc: 277.29 ng/ml




#7 AR-1016-5

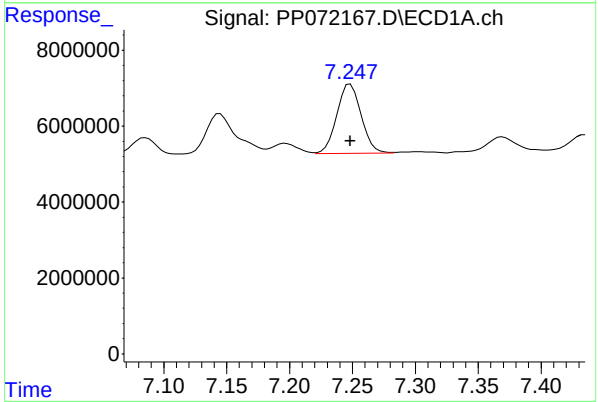
R.T.: 6.130 min
Delta R.T.: 0.000 min
Response: 12797446
Conc: 263.21 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250



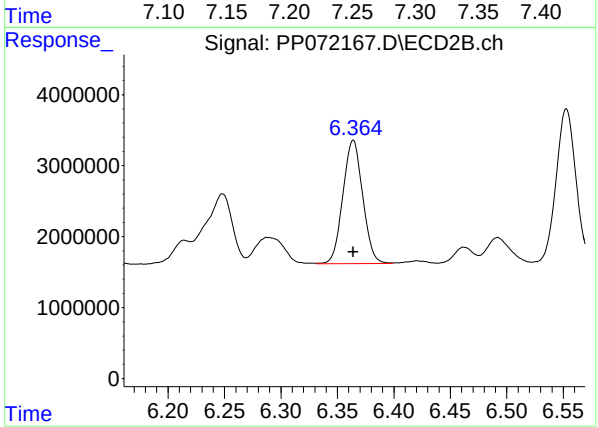

#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 13425333
Conc: 276.32 ng/ml



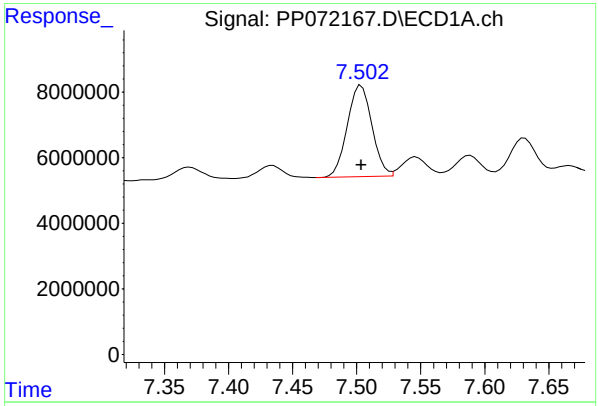

#31 AR-1260-1

R.T.: 7.248 min
Delta R.T.: 0.000 min
Response: 24515226
Conc: 266.53 ng/ml




#31 AR-1260-1

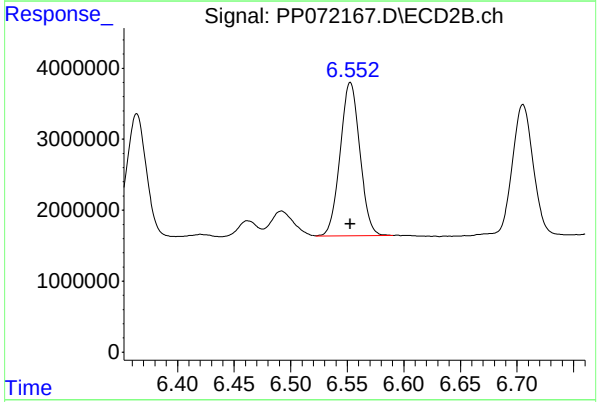
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 21211058
Conc: 271.27 ng/ml




#32 AR-1260-2

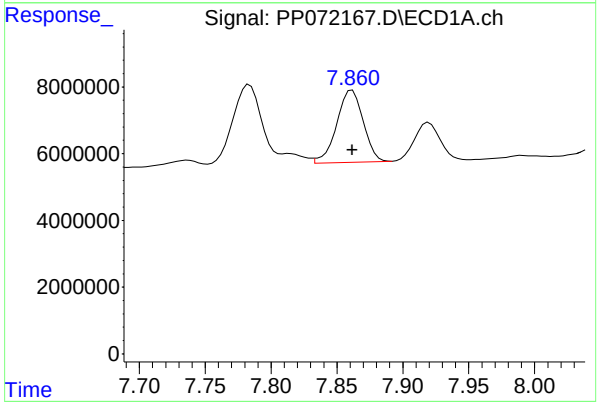
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 37350124
Conc: 263.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250



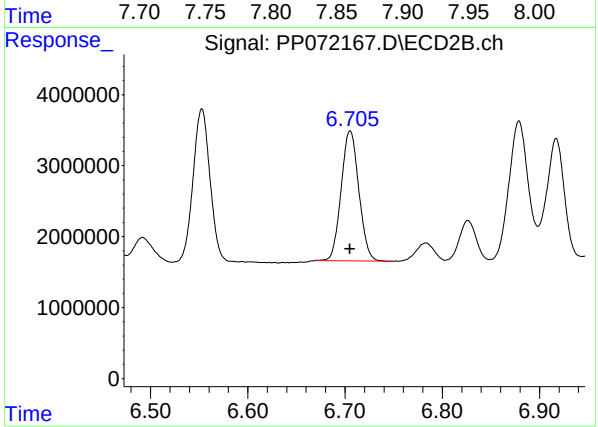

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 26231122
Conc: 275.07 ng/ml



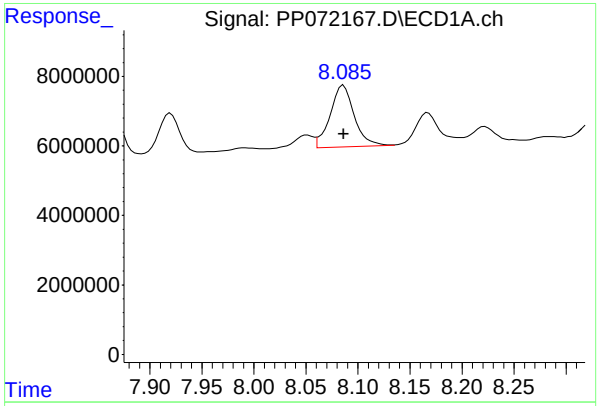

#33 AR-1260-3

R.T.: 7.862 min
Delta R.T.: 0.000 min
Response: 30309213
Conc: 263.28 ng/ml




#33 AR-1260-3

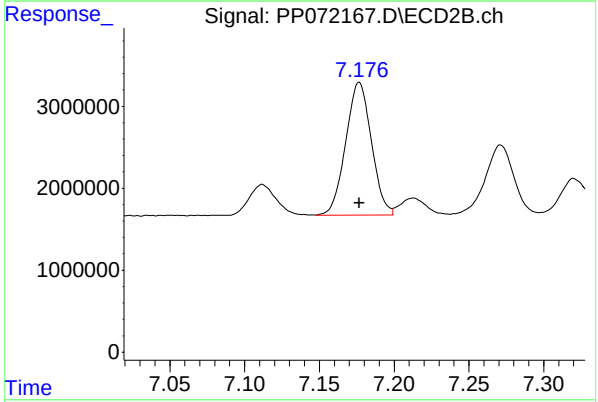
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 23123504
Conc: 269.92 ng/ml




#34 AR-1260-4

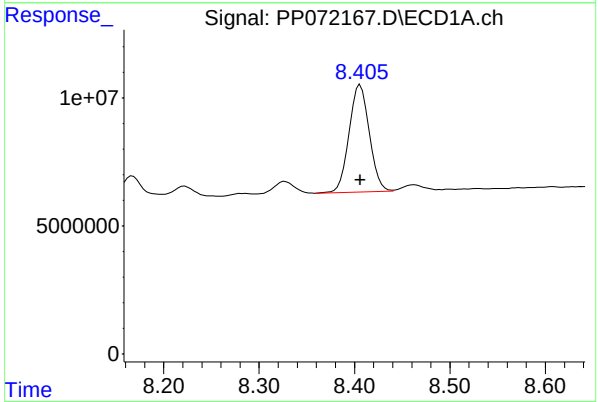
R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 28647958
Conc: 263.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250



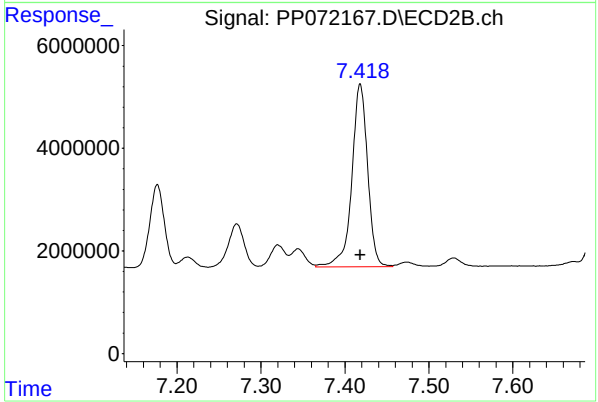

#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 19427779
Conc: 275.19 ng/ml




#35 AR-1260-5

R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 62484280
Conc: 262.17 ng/ml




#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 46879399
Conc: 270.43 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.498 | 3.793 | 9370134 | 8133165 | 4.660 | 5.088 |
| 2) | SA Decachlor... | 10.212 | 8.821 | 8114063 | 5355591 | 4.981 | 5.059 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.650 | 4.878 | 3974445 | 3481238 | 53.538m | 56.670 |
| 4) | L1 AR-1016-2 | 5.672 | 4.896 | 5096224 | 4763878 | 47.816m | 54.265 |
| 5) | L1 AR-1016-3 | 5.734 | 5.073 | 3045634 | 2547956 | 47.236m | 53.467 |
| 6) | L1 AR-1016-4 | 5.832 | 5.115 | 2452478 | 2024258 | 45.948m | 53.206 |
| 7) | L1 AR-1016-5 | 6.127 | 5.330 | 2503132 | 2739010 | 51.179 | 54.973 |
| 31) | L7 AR-1260-1 | 7.247 | 6.364 | 5002782 | 4299958 | 53.452 | 53.915 |
| 32) | L7 AR-1260-2 | 7.500 | 6.553 | 7551641 | 6283346 | 52.628 | 61.952 |
| 33) | L7 AR-1260-3 | 7.859 | 6.705 | 5443256 | 4592239 | 47.802 | 52.844 |
| 34) | L7 AR-1260-4 | 8.083 | 7.176 | 5088570 | 3903032 | 47.423 | 54.140 |
| 35) | L7 AR-1260-5 | 8.403 | 7.418 | 11497836 | 8735677 | 48.583 | 50.314 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

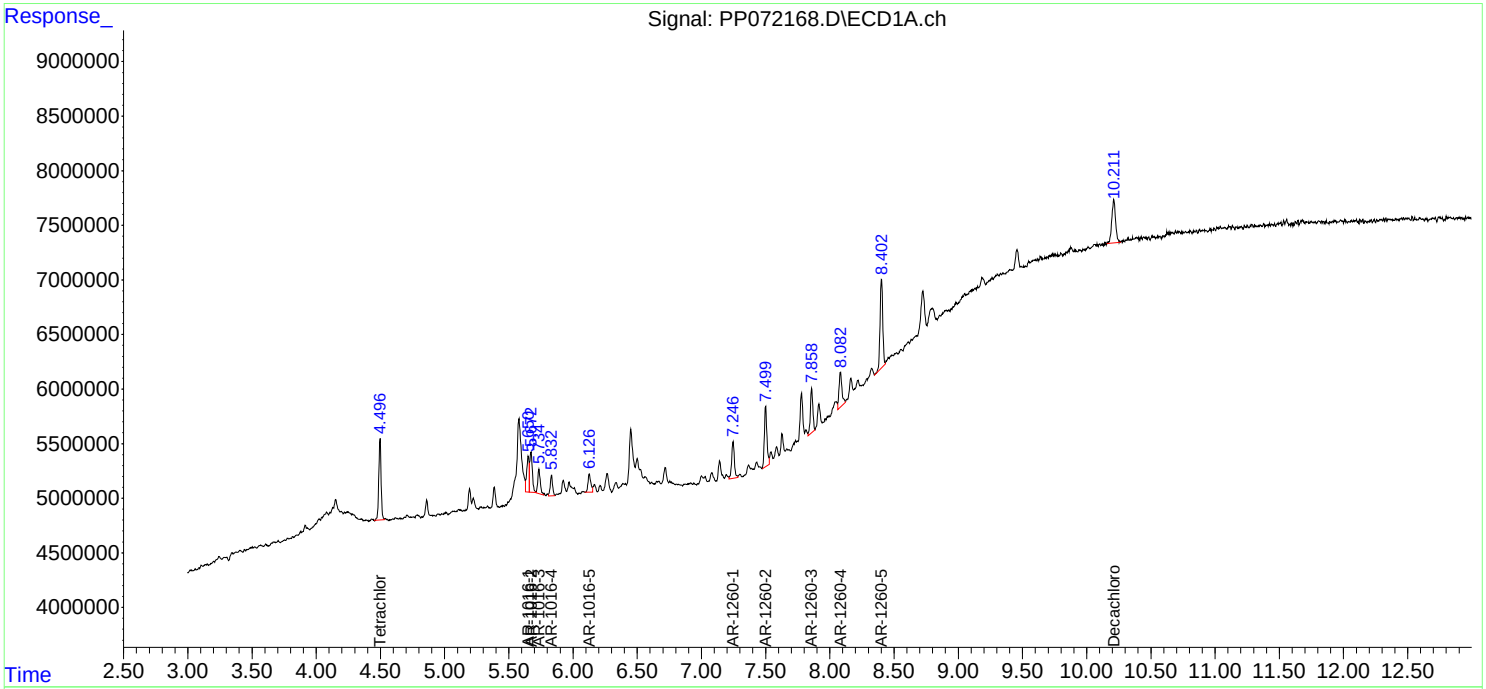
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

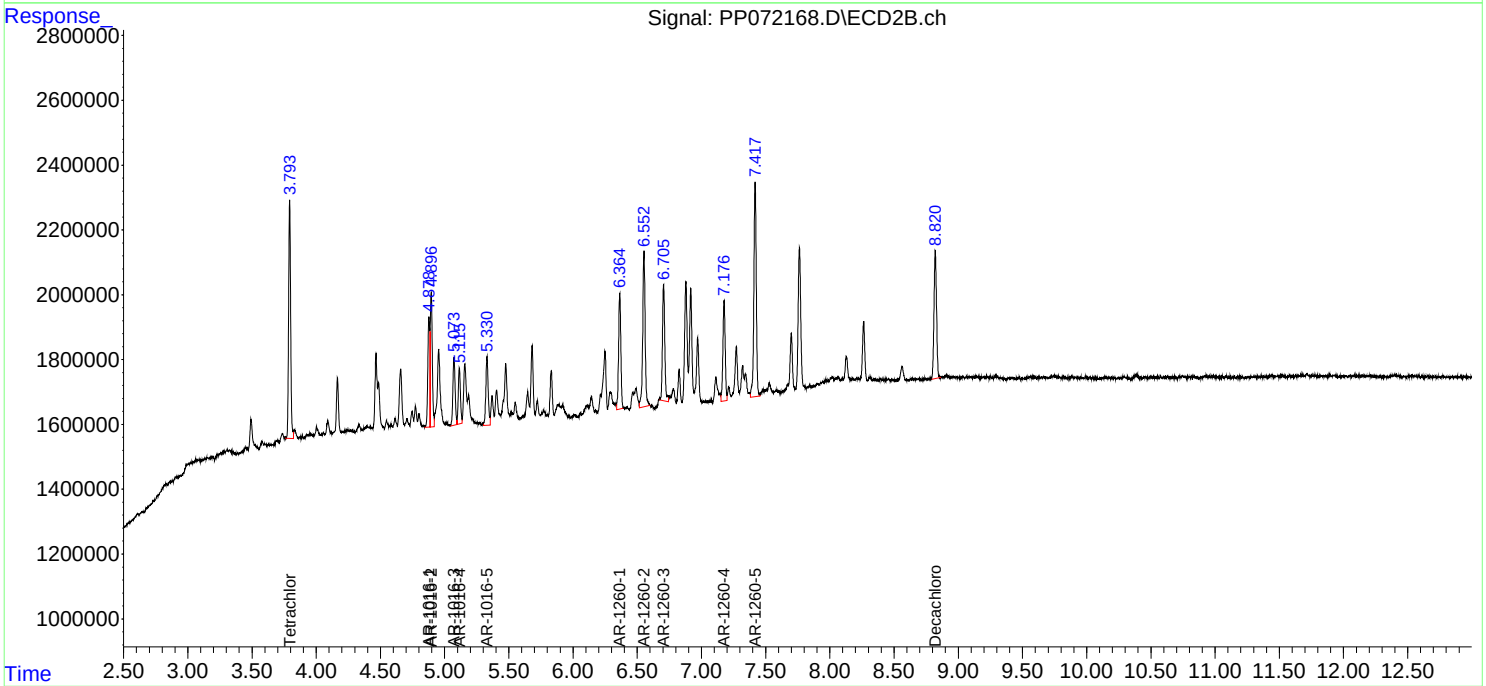
**Manual Integrations APPROVED**

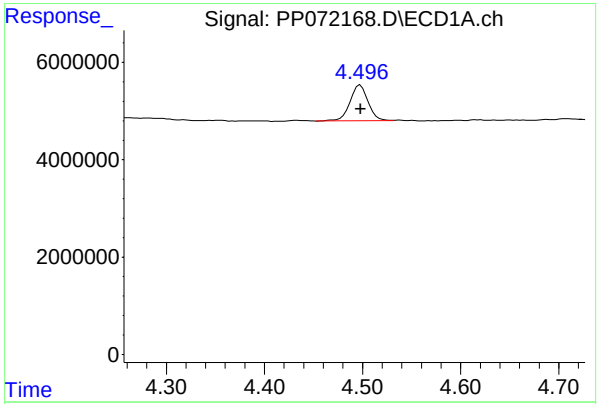
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





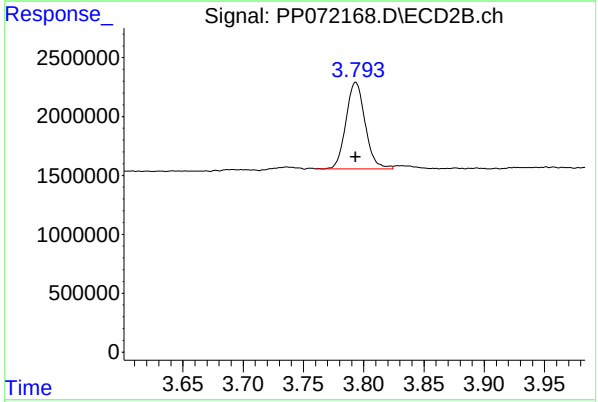

#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 9370134
Conc: 4.66 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

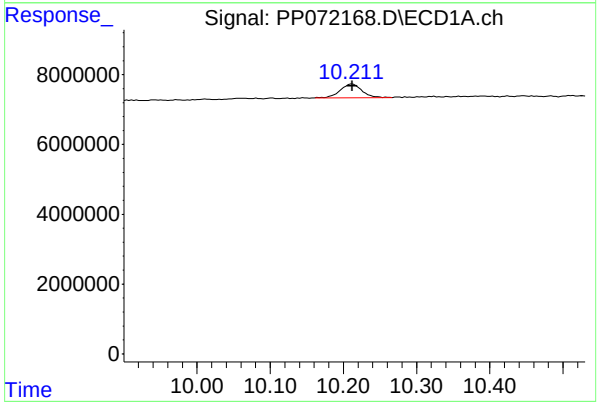
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



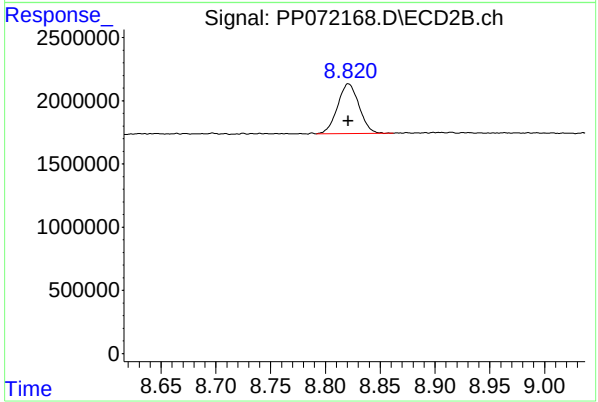

#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 8133165
Conc: 5.09 ng/ml



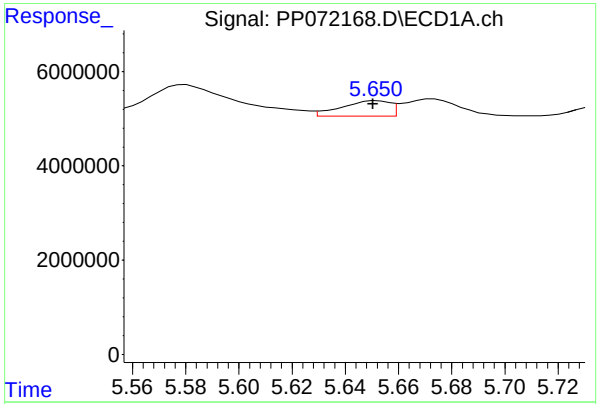

#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 8114063
Conc: 4.98 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 5355591
Conc: 5.06 ng/ml



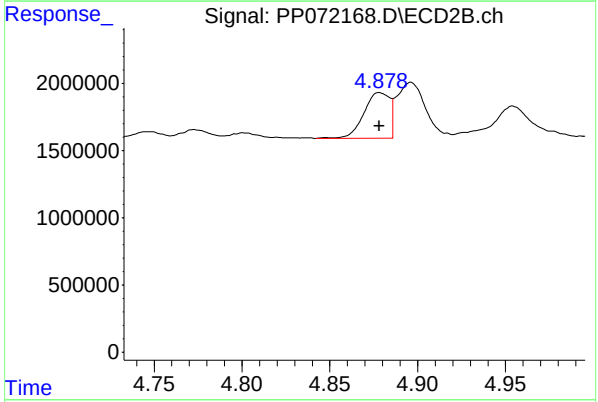

#3 AR-1016-1

R.T.: 5.650 min
Delta R.T.: 0.000 mi
Response: 3974445
Conc: 53.54 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

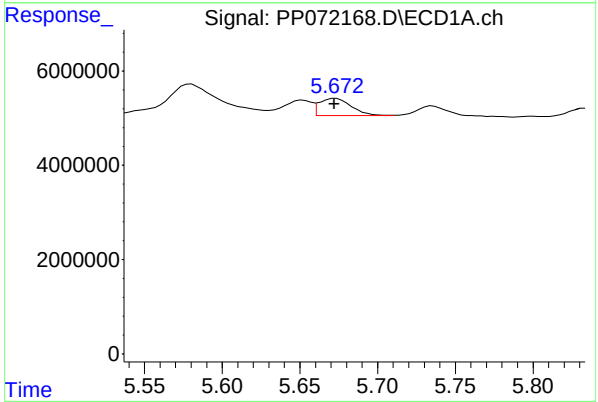
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



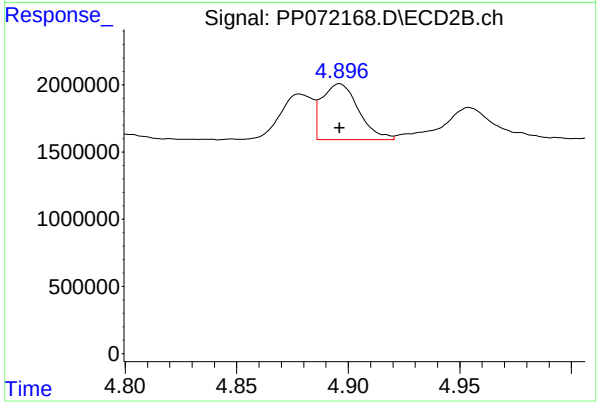

#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 3481238
Conc: 56.67 ng/ml



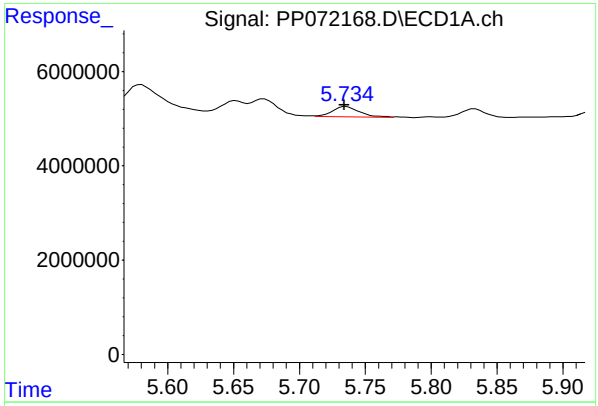

#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 5096224
Conc: 47.82 ng/ml m




#4 AR-1016-2

R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 4763878
Conc: 54.26 ng/ml



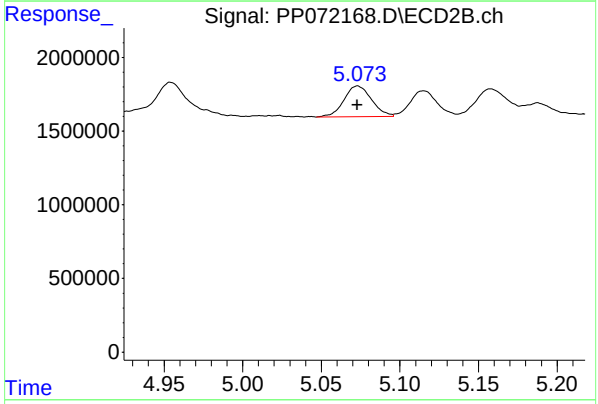

#5 AR-1016-3

R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 3045634
Conc: 47.24 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

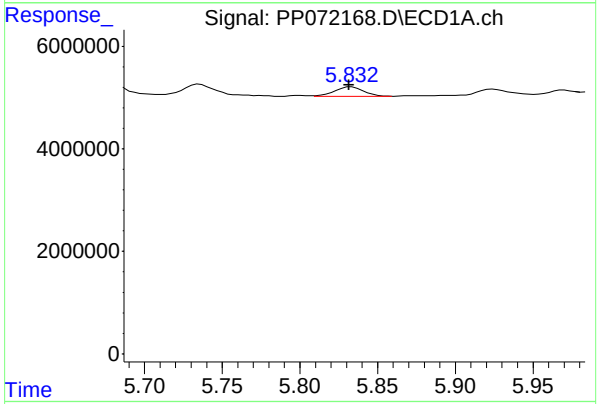
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



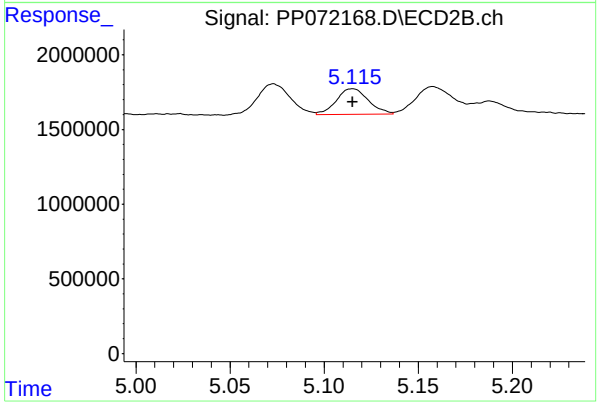

#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 2547956
Conc: 53.47 ng/ml



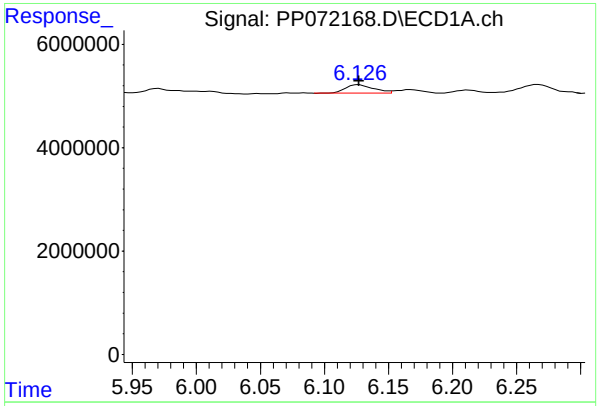

#6 AR-1016-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 2452478
Conc: 45.95 ng/ml m




#6 AR-1016-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 2024258
Conc: 53.21 ng/ml



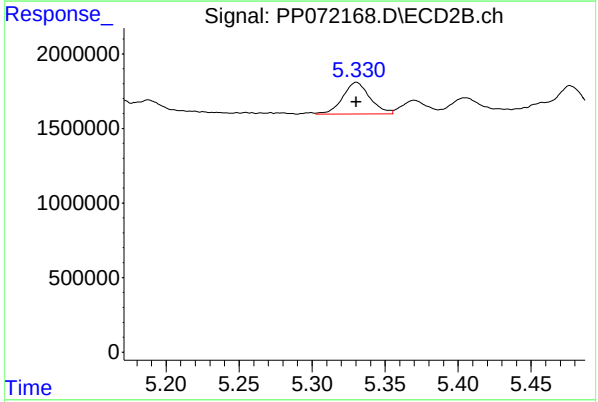

#7 AR-1016-5

R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 2503132
Conc: 51.18 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

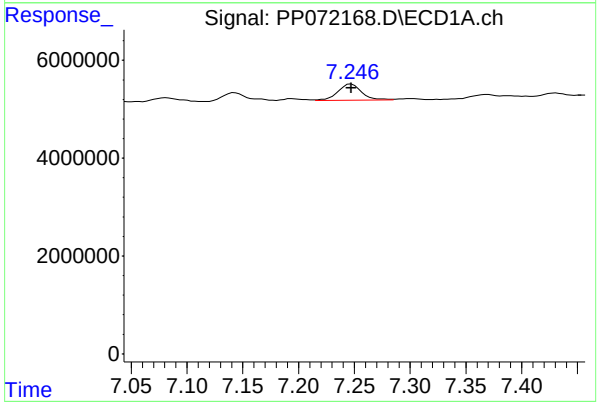
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



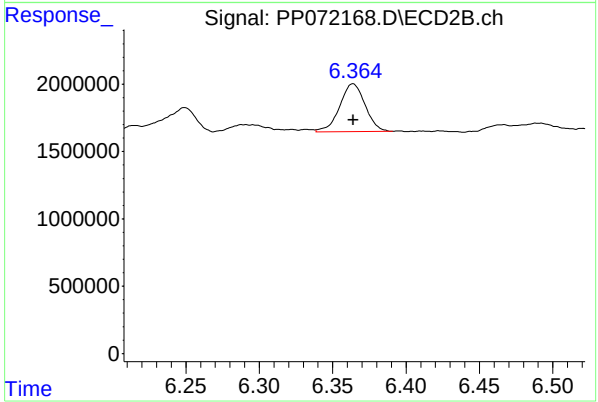

#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 2739010
Conc: 54.97 ng/ml



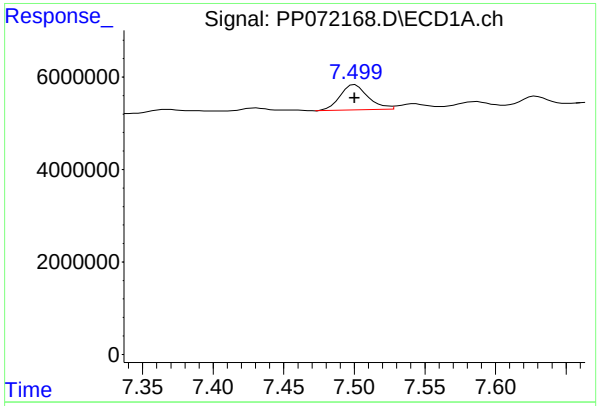

#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 5002782
Conc: 53.45 ng/ml




#31 AR-1260-1

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 4299958
Conc: 53.92 ng/ml



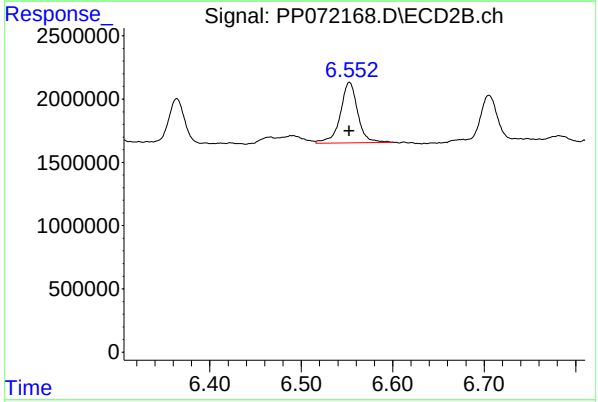

#32 AR-1260-2

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 7551641
Conc: 52.63 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

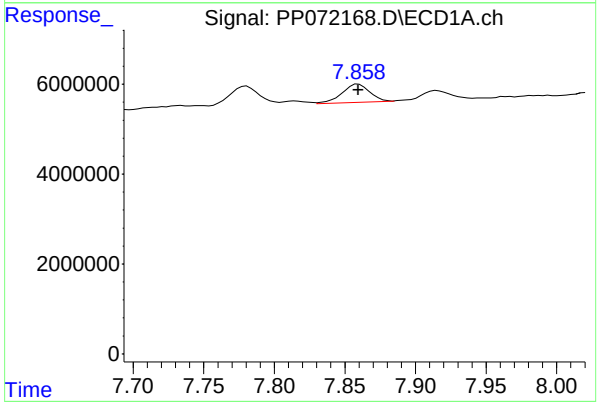
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



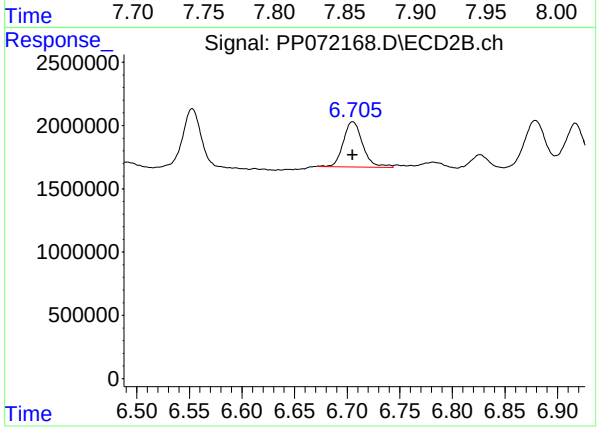

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 6283346
Conc: 61.95 ng/ml



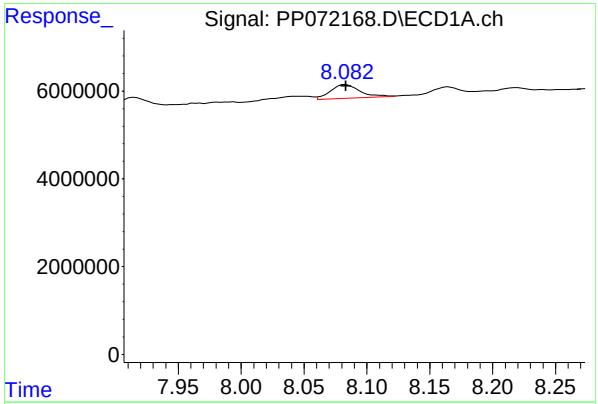

#33 AR-1260-3

R.T.: 7.859 min
Delta R.T.: 0.000 min
Response: 5443256
Conc: 47.80 ng/ml




#33 AR-1260-3

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 4592239
Conc: 52.84 ng/ml



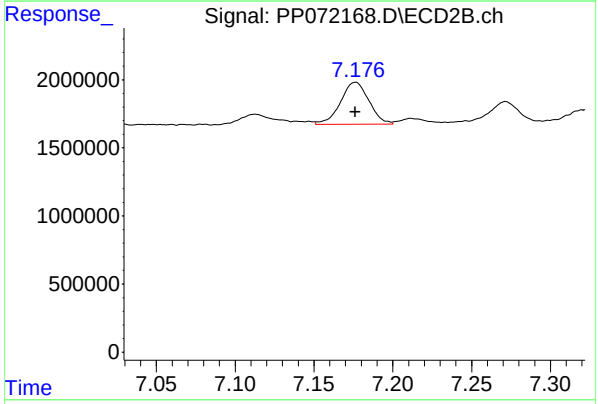

#34 AR-1260-4

R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 5088570
Conc: 47.42 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

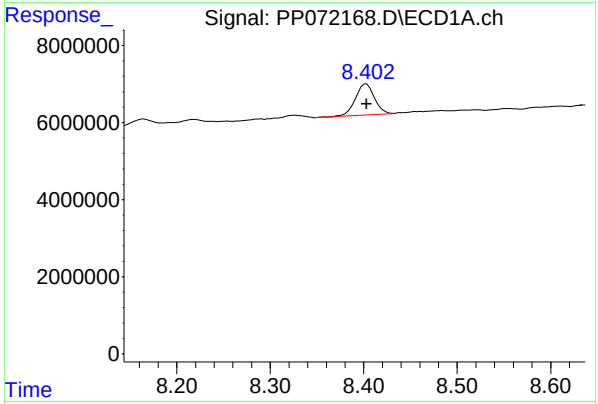
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



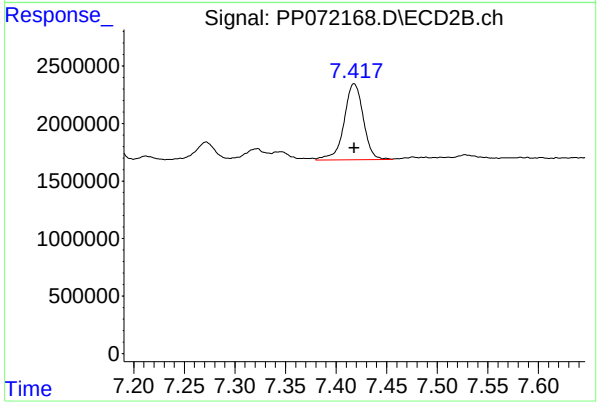

#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 3903032
Conc: 54.14 ng/ml




#35 AR-1260-5

R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 11497836
Conc: 48.58 ng/ml




#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 8735677
Conc: 50.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:05
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 11:34:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.794 | 100.3E6 | 78966679 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.214 | 8.824 | 80876112 | 53101134 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.703 | 4.005 | 12566489 | 11562215 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 4.788 | 4.091 | 8990719 | 8849205 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 4.864 | 4.167 | 29254822 | 26135247 | 500.000 | 500.000 |

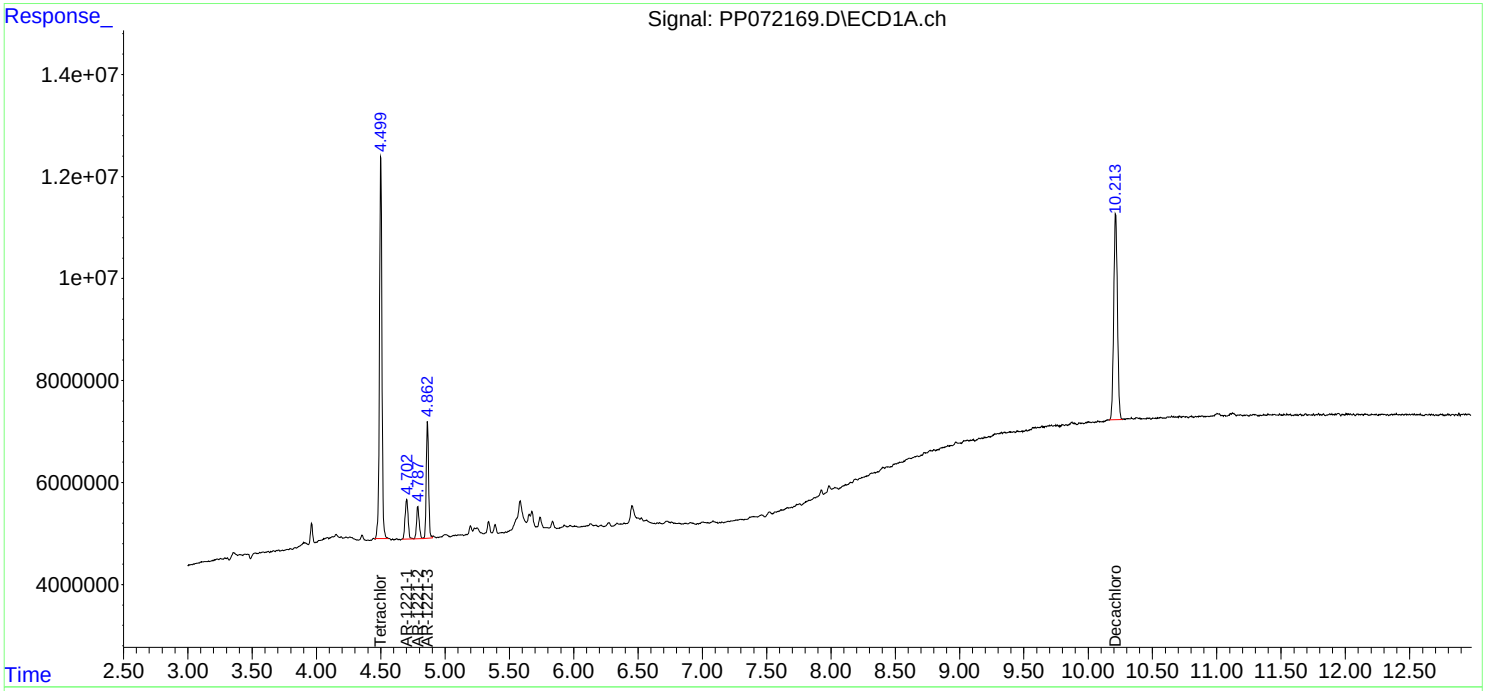
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

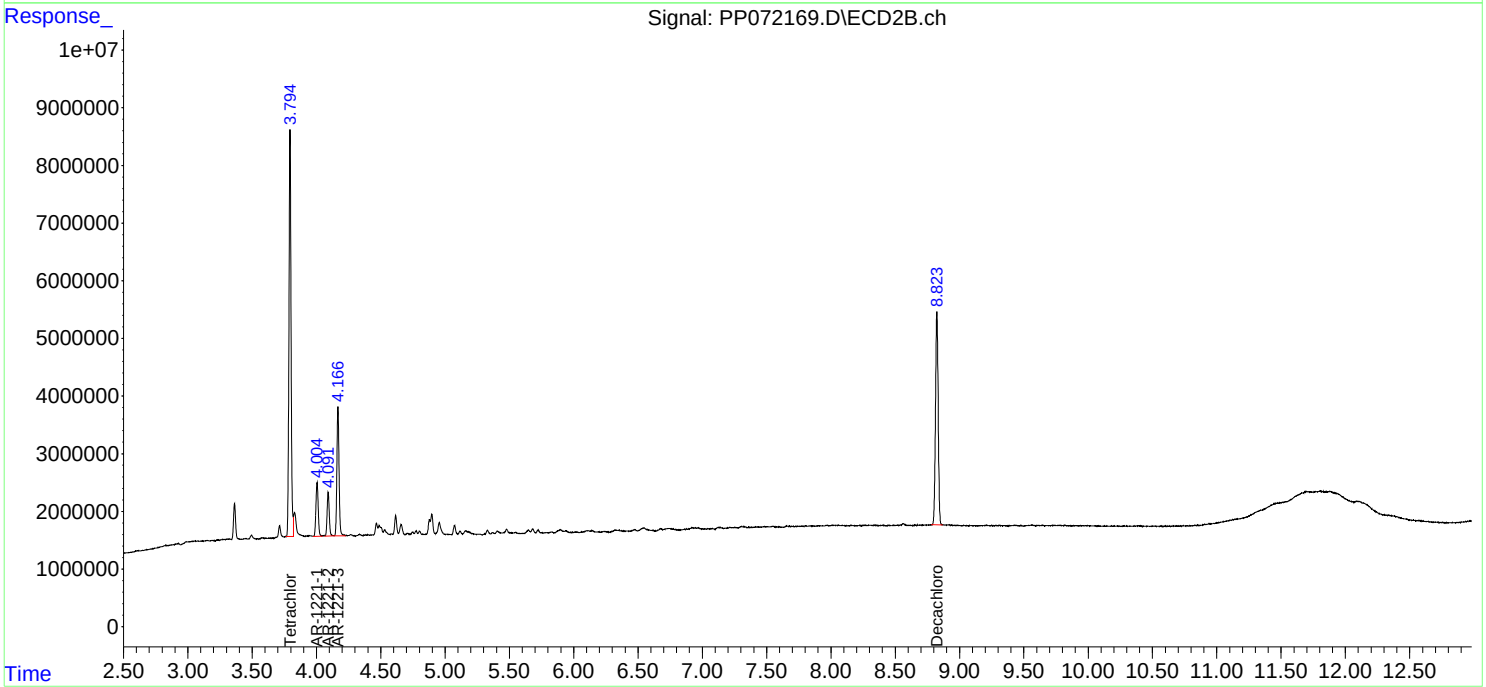
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:05
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

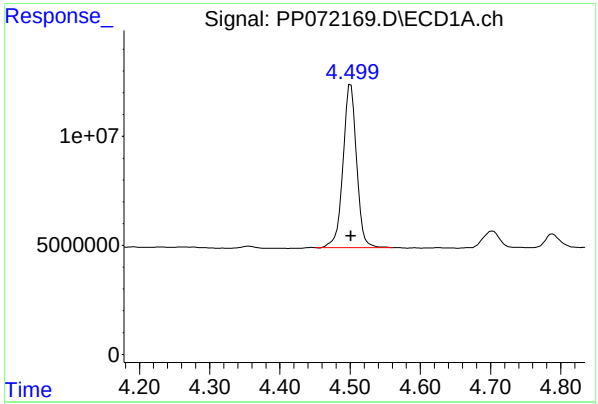
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 11:34:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



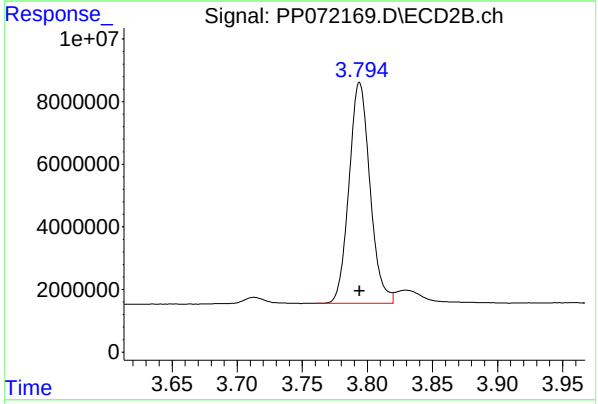






#1 Tetrachloro-m-xylene

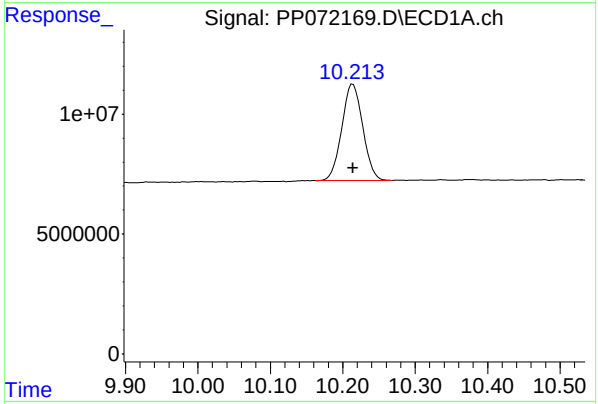
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 100267815
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500



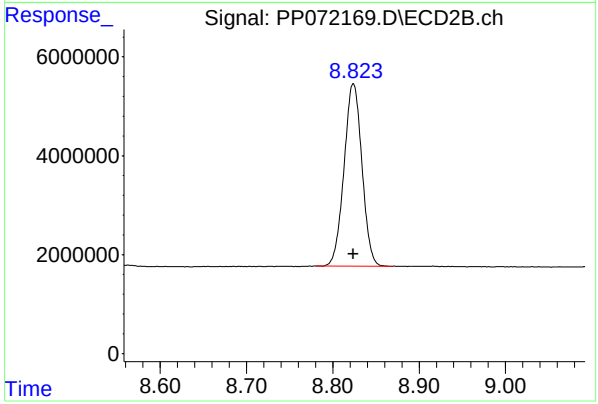

#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 78966679
Conc: 50.00 ng/ml



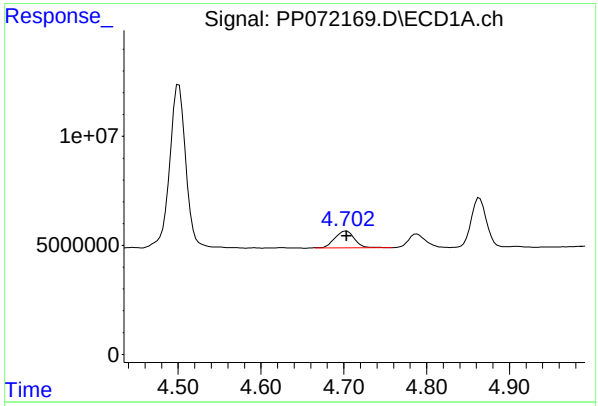

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 80876112
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

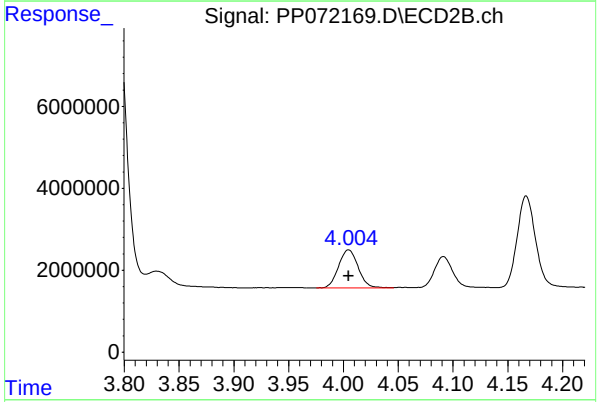
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 53101134
Conc: 50.00 ng/ml




#8 AR-1221-1

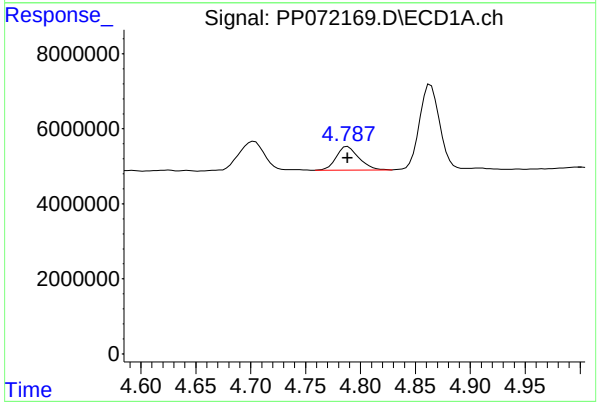
R.T.: 4.703 min
Delta R.T.: 0.000 min
Response: 12566489
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500



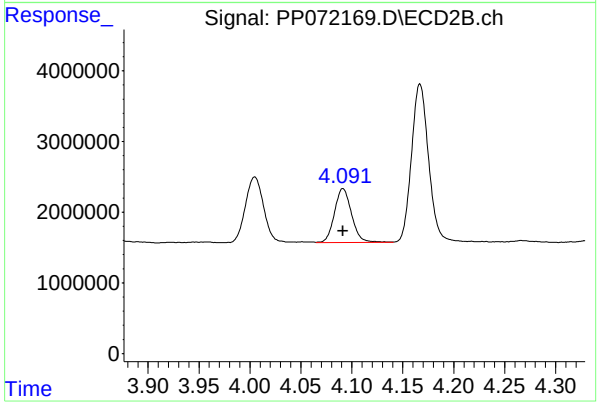

#8 AR-1221-1

R.T.: 4.005 min
Delta R.T.: 0.000 min
Response: 11562215
Conc: 500.00 ng/ml



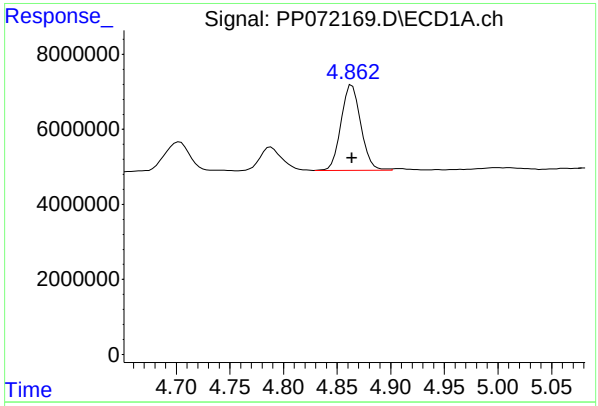

#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 8990719
Conc: 500.00 ng/ml




#9 AR-1221-2

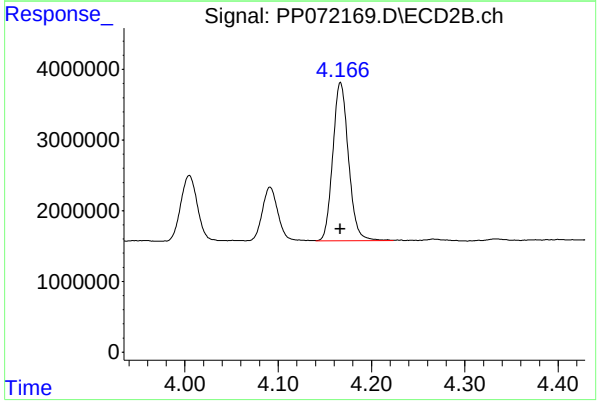
R.T.: 4.091 min
Delta R.T.: 0.000 min
Response: 8849205
Conc: 500.00 ng/ml




#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 29254822
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500




#10 AR-1221-3

R.T.: 4.167 min
Delta R.T.: 0.000 min
Response: 26135247
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:21
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:10:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.795 | 188.6E6 | 150.4E6 | 95.724 | 94.284 |
| 2) | SA Decachlor... | 10.213 | 8.823 | 154.5E6 | 99106147 | 96.034 | 93.871 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.863 | 4.168 | 44075653 | 37616932 | 957.349 | 907.448 |
| 12) | L3 AR-1232-2 | 5.389 | 4.898 | 21717379 | 39358353 | 966.038 | 938.328 |
| 13) | L3 AR-1232-3 | 5.675 | 5.074 | 46772523 | 20796080 | 948.567 | 932.463 |
| 14) | L3 AR-1232-4 | 5.835 | 5.159 | 23238504 | 17897124 | 967.407 | 927.845 |
| 15) | L3 AR-1232-5 | 5.925 | 5.331 | 15752983 | 19472370 | 978.586 | 927.105 |

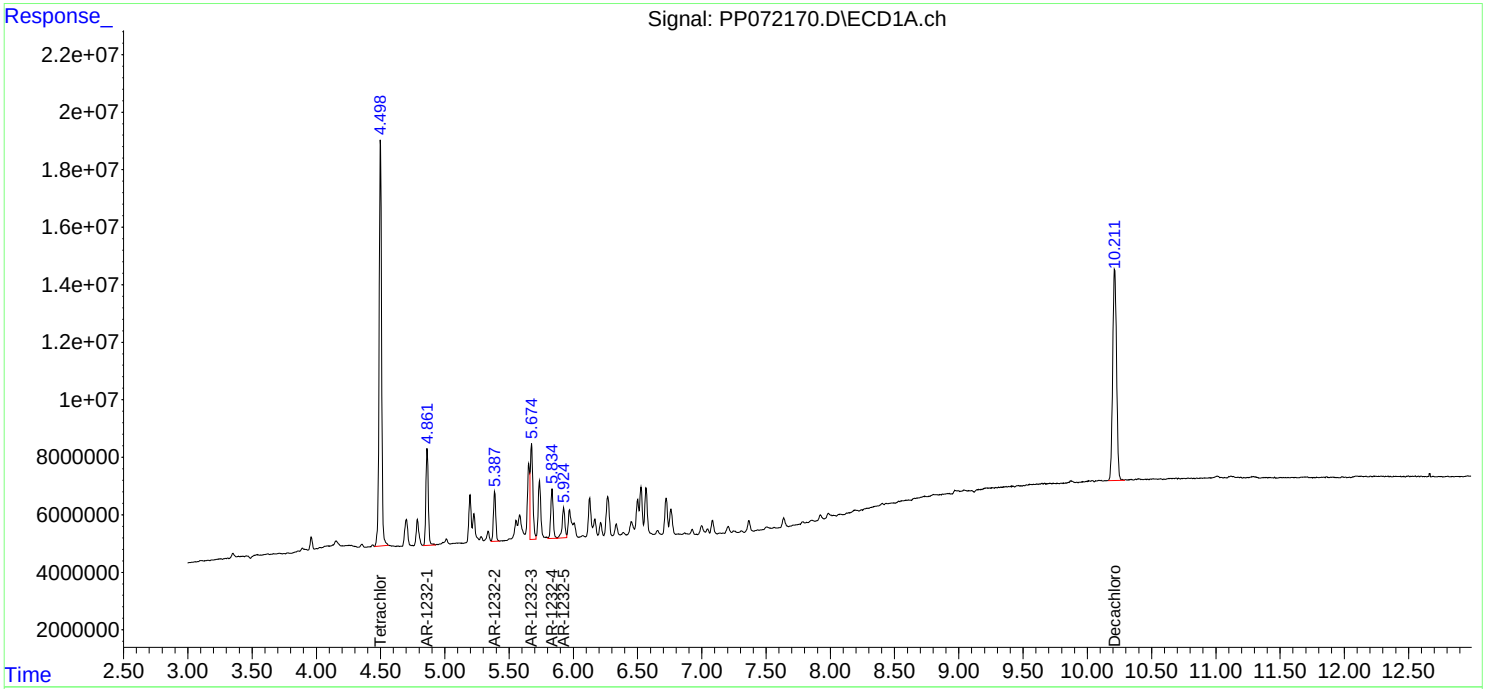
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

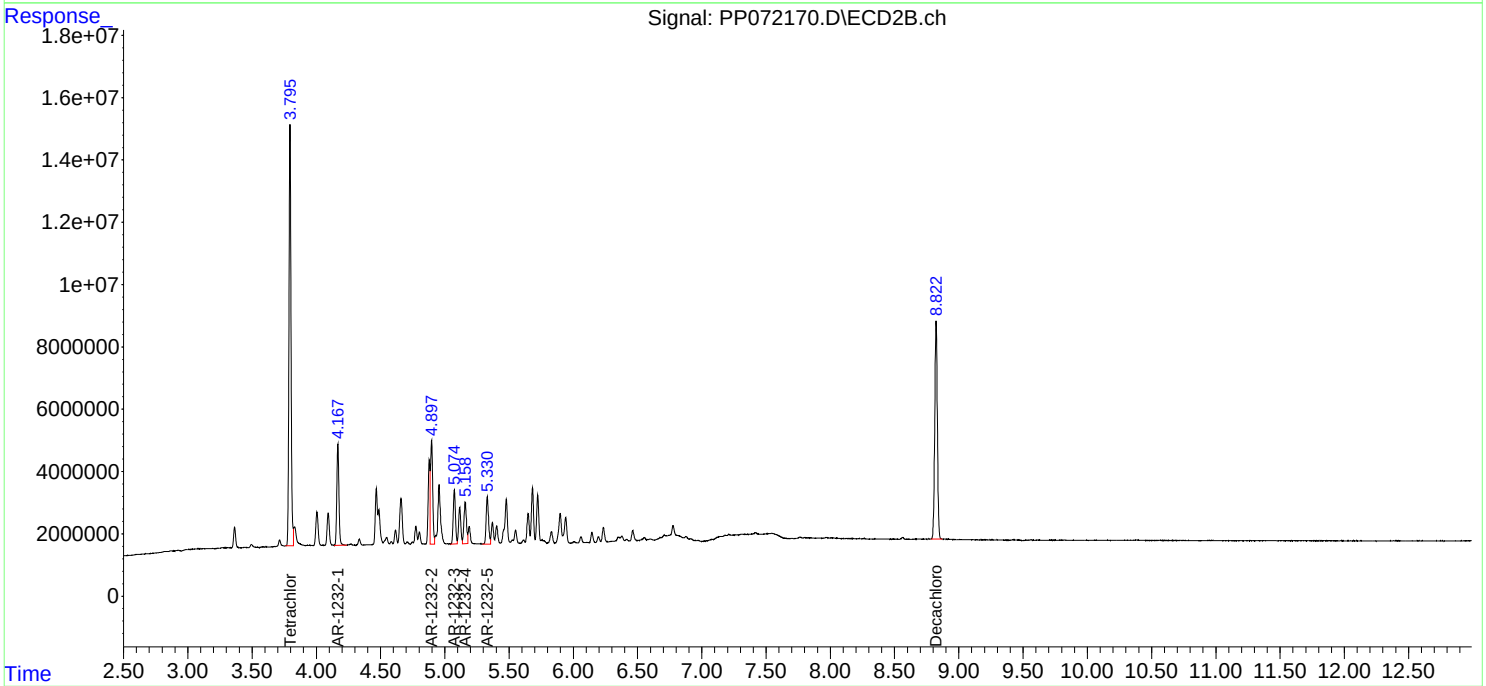
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:21
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

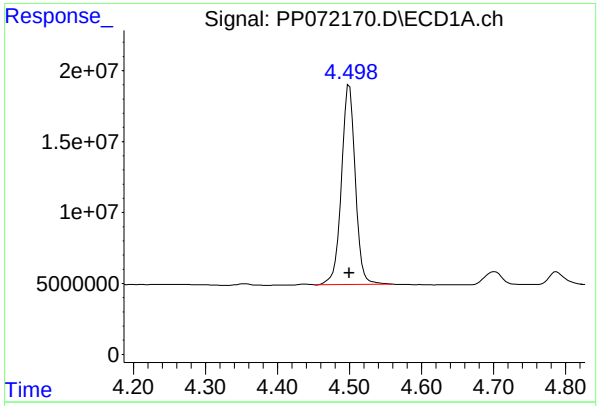
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:10:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



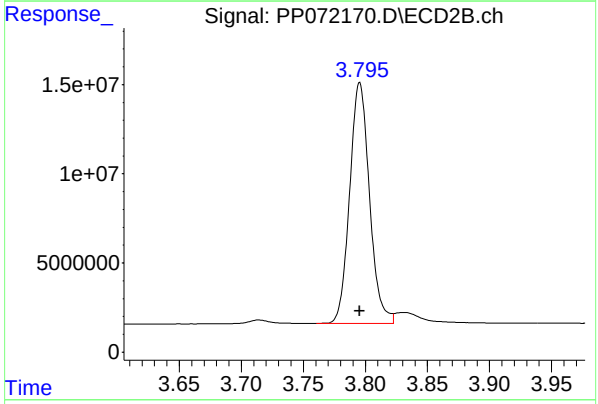






#1 Tetrachloro-m-xylene

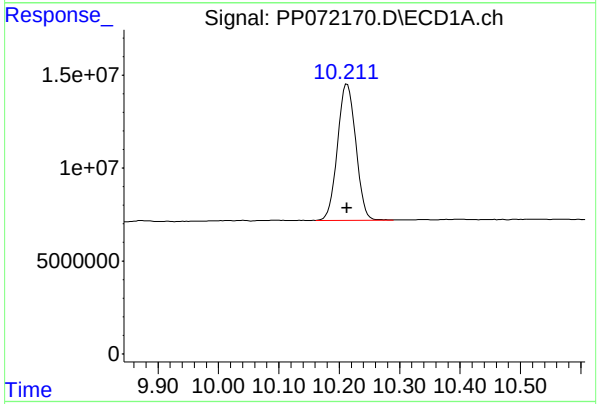
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 188612240
Conc: 95.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC1000



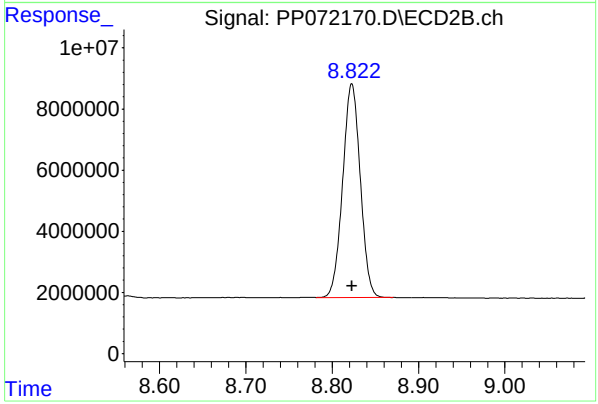

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 150365085
Conc: 94.28 ng/ml



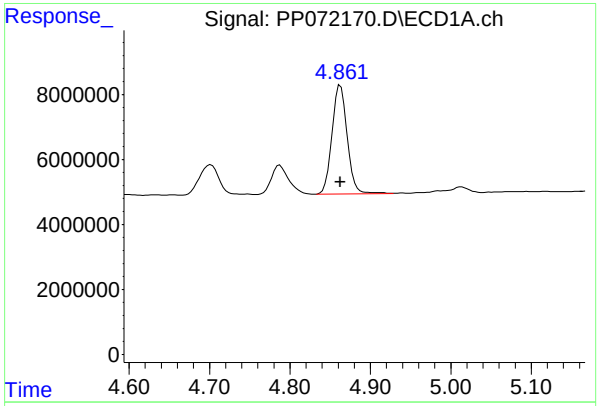

#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 154527919
Conc: 96.03 ng/ml




#2 Decachlorobiphenyl

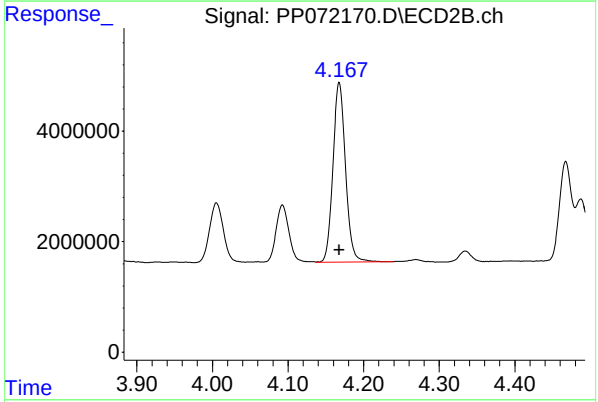
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 99106147
Conc: 93.87 ng/ml




#11 AR-1232-1

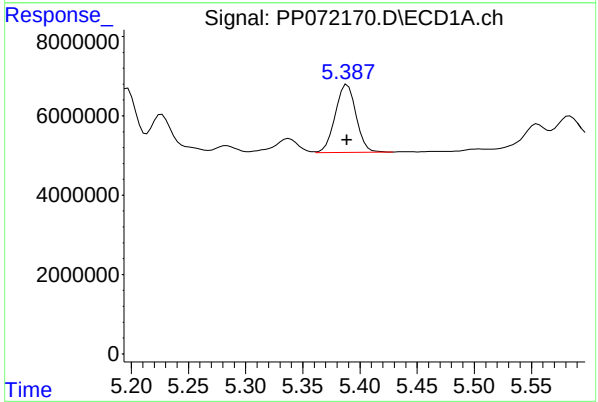
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 44075653
Conc: 957.35 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC1000



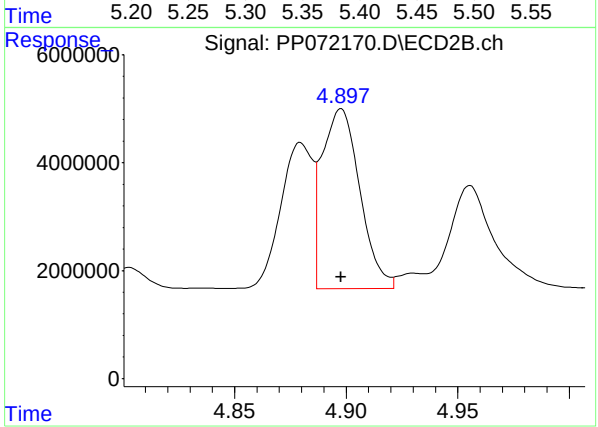

#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 37616932
Conc: 907.45 ng/ml



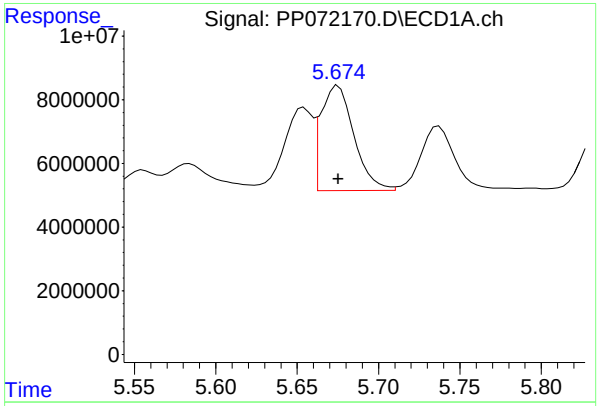

#12 AR-1232-2

R.T.: 5.389 min
Delta R.T.: 0.000 min
Response: 21717379
Conc: 966.04 ng/ml




#12 AR-1232-2

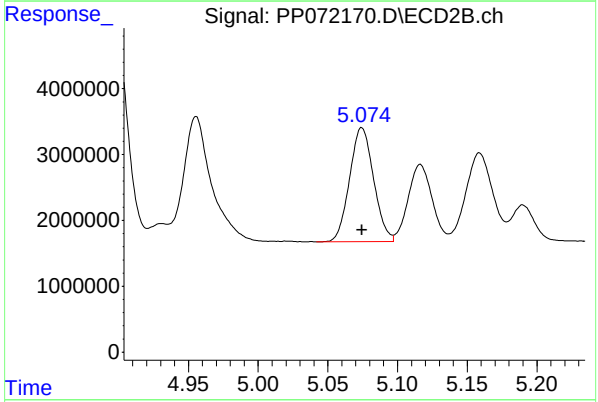
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 39358353
Conc: 938.33 ng/ml




#13 AR-1232-3

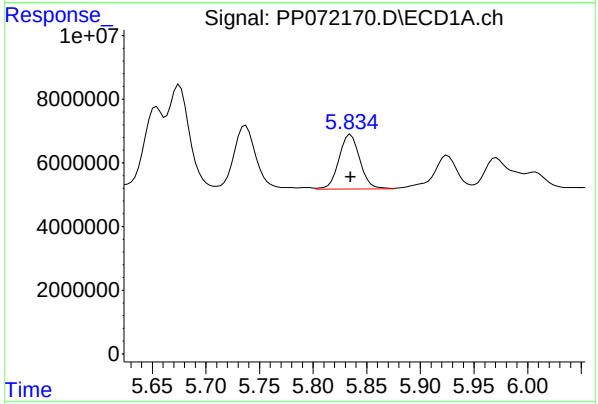
R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 46772523
Conc: 948.57 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC1000



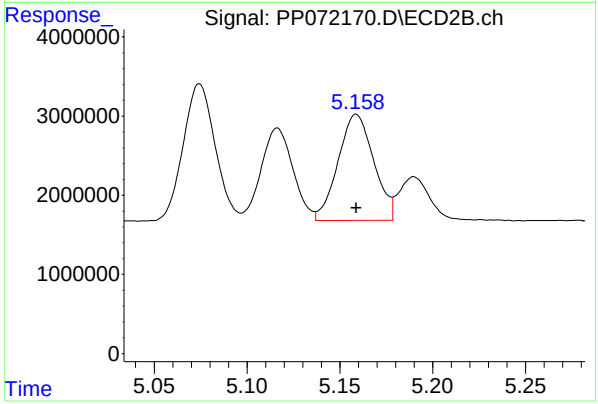

#13 AR-1232-3

R.T.: 5.074 min
Delta R.T.: 0.000 min
Response: 20796080
Conc: 932.46 ng/ml



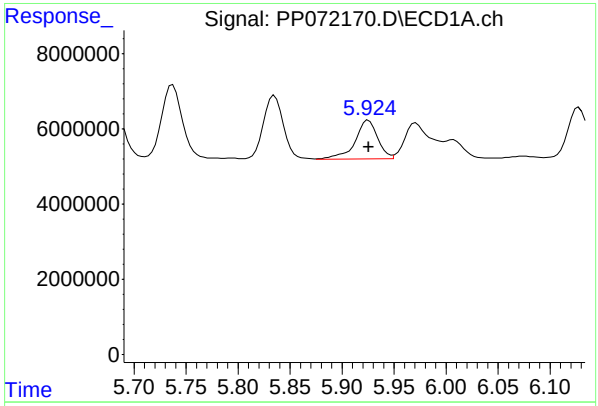

#14 AR-1232-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 23238504
Conc: 967.41 ng/ml




#14 AR-1232-4

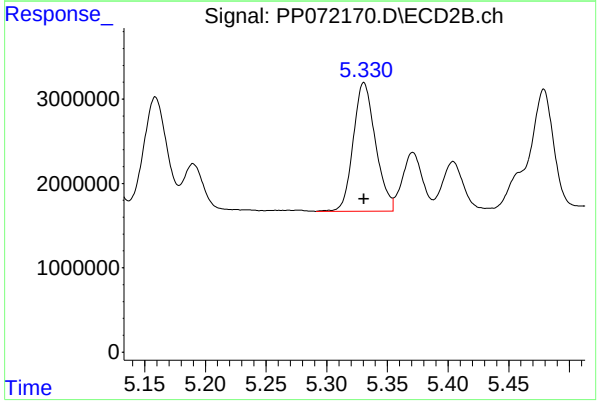
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 17897124
Conc: 927.84 ng/ml




#15 AR-1232-5

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 15752983
Conc: 978.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC1000




#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 19472370
Conc: 927.11 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:38
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:12:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.796 | 150.1E6 | 117.1E6 | 75.772 | 73.927 |
| 2) | SA Decachlor... | 10.215 | 8.824 | 120.1E6 | 80247330 | 74.743 | 75.669 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.864 | 4.168 | 34422611 | 30444044 | 748.451 | 739.537 |
| 12) | L3 AR-1232-2 | 5.390 | 4.898 | 17196522 | 31518395 | 759.894 | 750.945 |
| 13) | L3 AR-1232-3 | 5.676 | 5.075 | 37611138 | 16760662 | 758.466 | 751.013 |
| 14) | L3 AR-1232-4 | 5.836 | 5.159 | 18110035 | 14561422 | 752.603 | 753.267 |
| 15) | L3 AR-1232-5 | 5.926 | 5.332 | 12352668 | 15928473 | 761.482 | 755.563 |

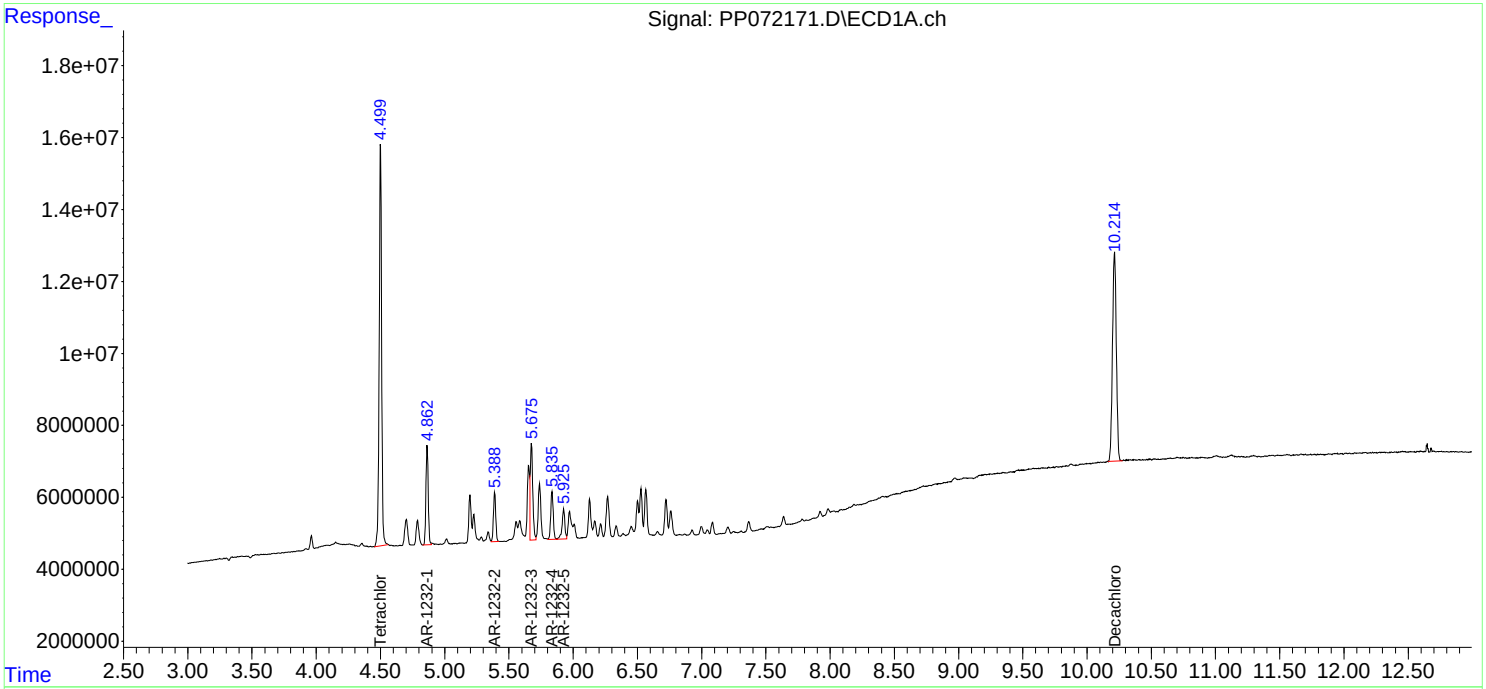
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

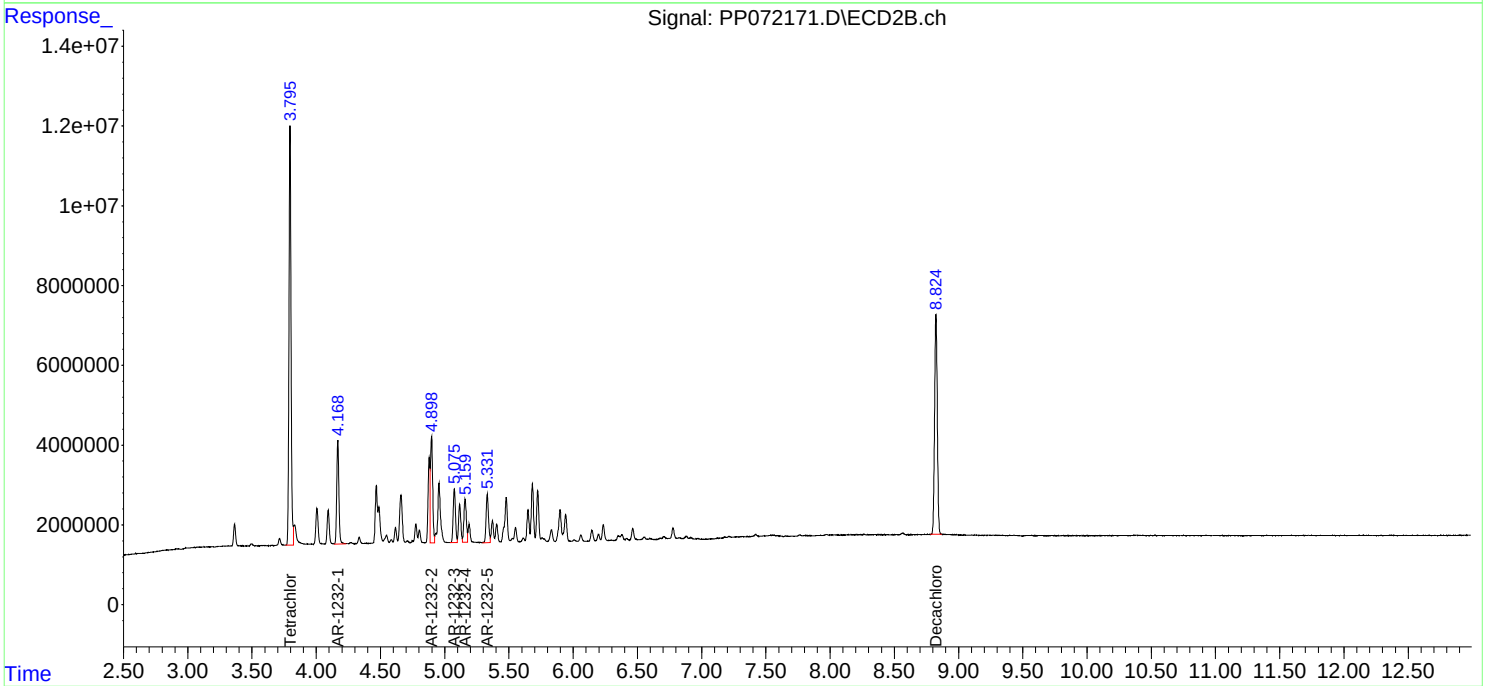
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:38
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

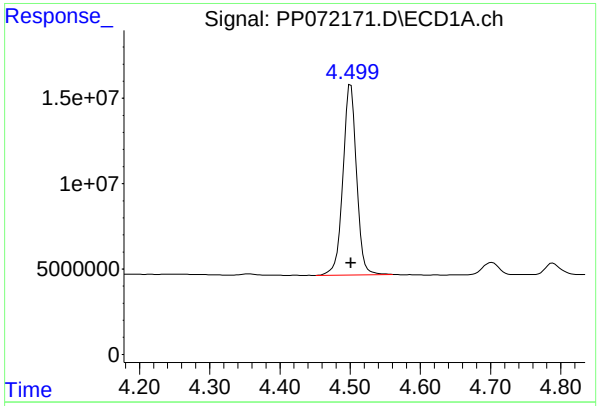
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:12:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



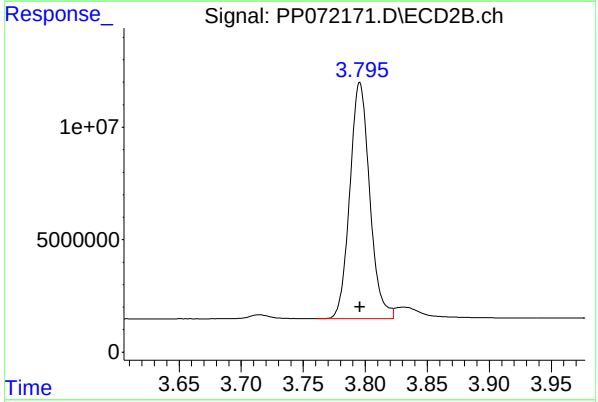






#1 Tetrachloro-m-xylene

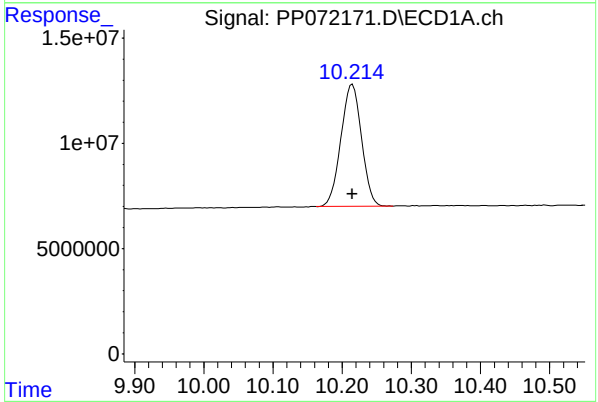
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 150073008
Conc: 75.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC750



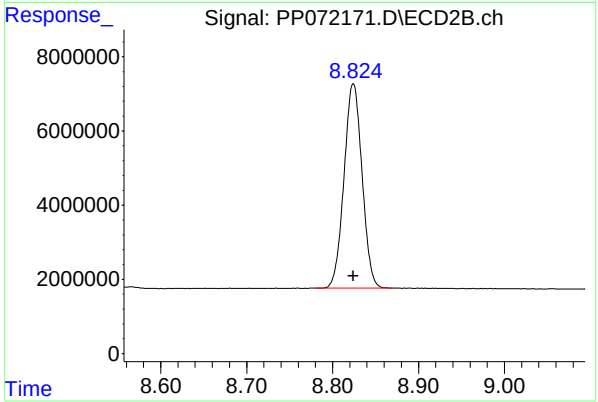

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 117063518
Conc: 73.93 ng/ml



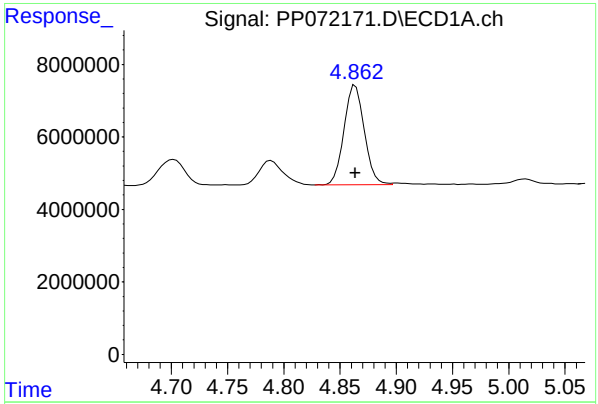

#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 120062067
Conc: 74.74 ng/ml




#2 Decachlorobiphenyl

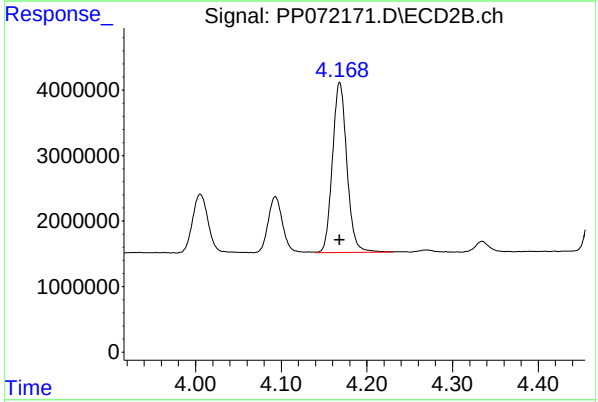
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 80247330
Conc: 75.67 ng/ml




#11 AR-1232-1

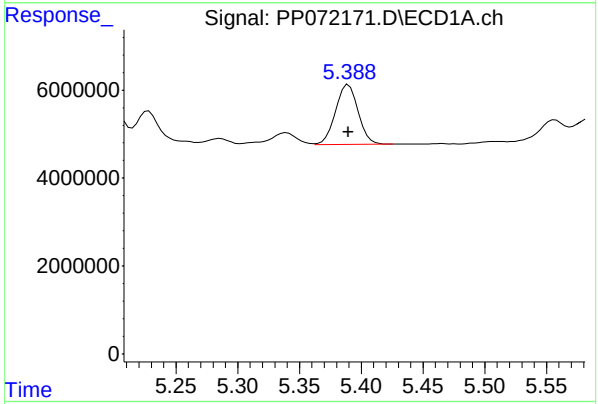
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 34422611
Conc: 748.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC750



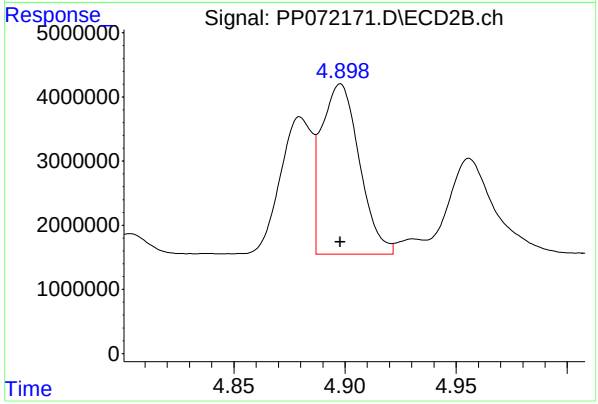

#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 30444044
Conc: 739.54 ng/ml



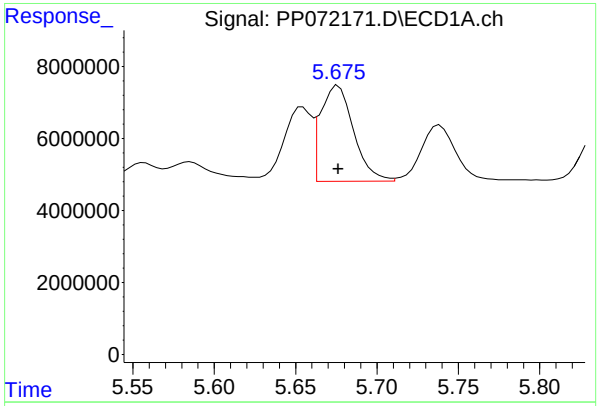

#12 AR-1232-2

R.T.: 5.390 min
Delta R.T.: 0.000 min
Response: 17196522
Conc: 759.89 ng/ml




#12 AR-1232-2

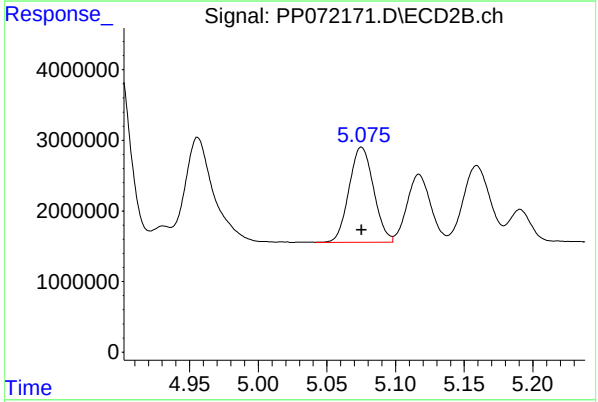
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 31518395
Conc: 750.95 ng/ml




#13 AR-1232-3

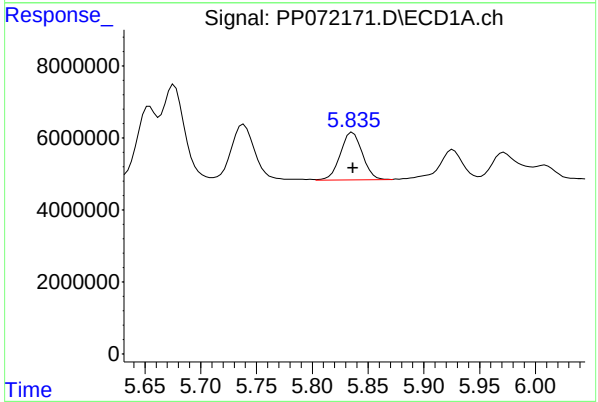
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 37611138
Conc: 758.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC750



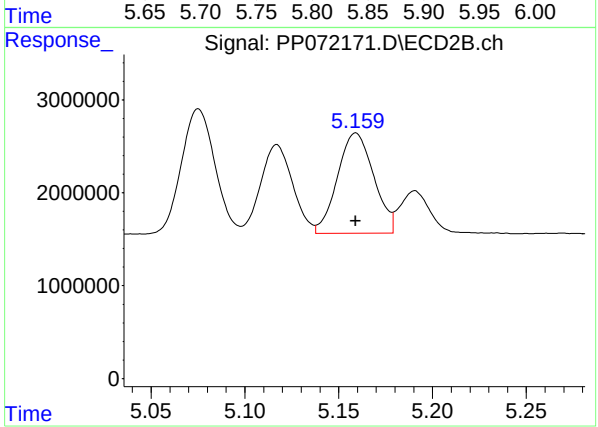

#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 16760662
Conc: 751.01 ng/ml



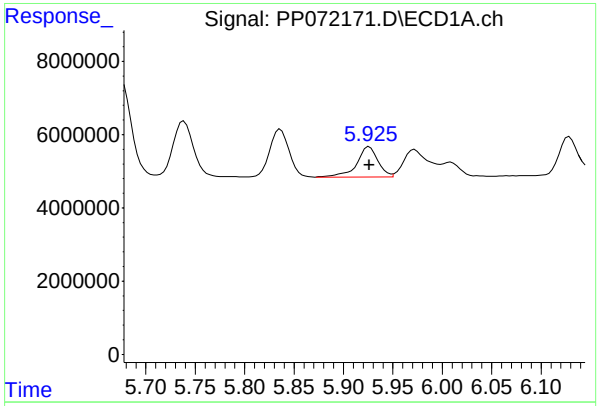

#14 AR-1232-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 18110035
Conc: 752.60 ng/ml




#14 AR-1232-4

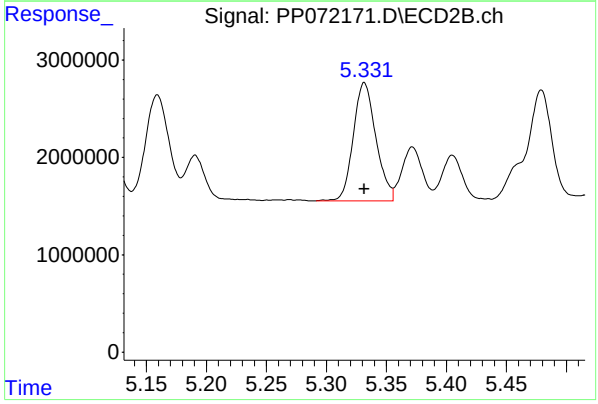
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 14561422
Conc: 753.27 ng/ml




#15 AR-1232-5

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 12352668
Conc: 761.48 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC750




#15 AR-1232-5

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 15928473
Conc: 755.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:54
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.795 | 102.7E6 | 84298957 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.214 | 8.823 | 83645074 | 56024151 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 11) L3 | AR-1232-1 | 4.864 | 4.168 | 24001461 | 22645075 | 500.000 | 500.000 |
| 12) L3 | AR-1232-2 | 5.390 | 4.897 | 11622194 | 22266011 | 500.000 | 500.000 |
| 13) L3 | AR-1232-3 | 5.676 | 5.075 | 25922328 | 11904276 | 500.000 | 500.000 |
| 14) L3 | AR-1232-4 | 5.836 | 5.159 | 12402195 | 10340360 | 500.000 | 500.000 |
| 15) L3 | AR-1232-5 | 5.926 | 5.331 | 8221206 | 11267225 | 500.000 | 500.000 |

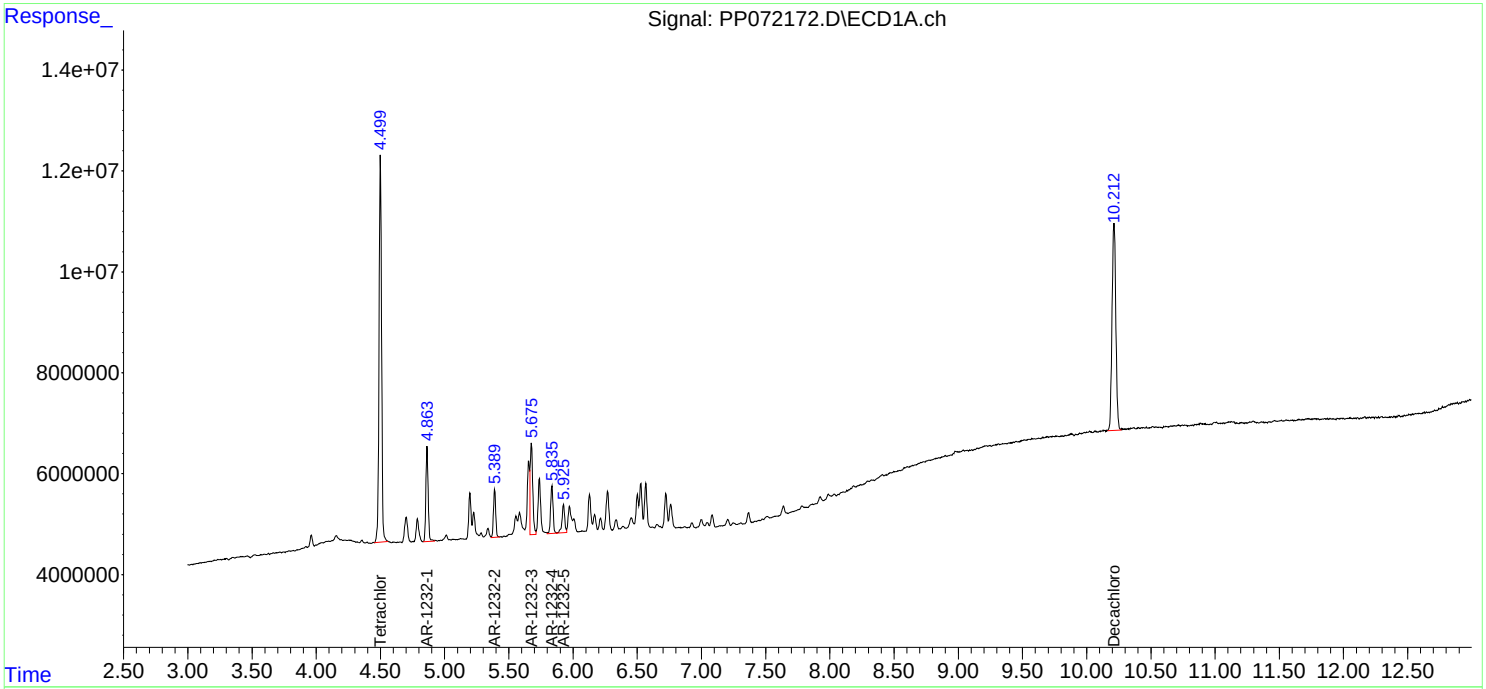
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

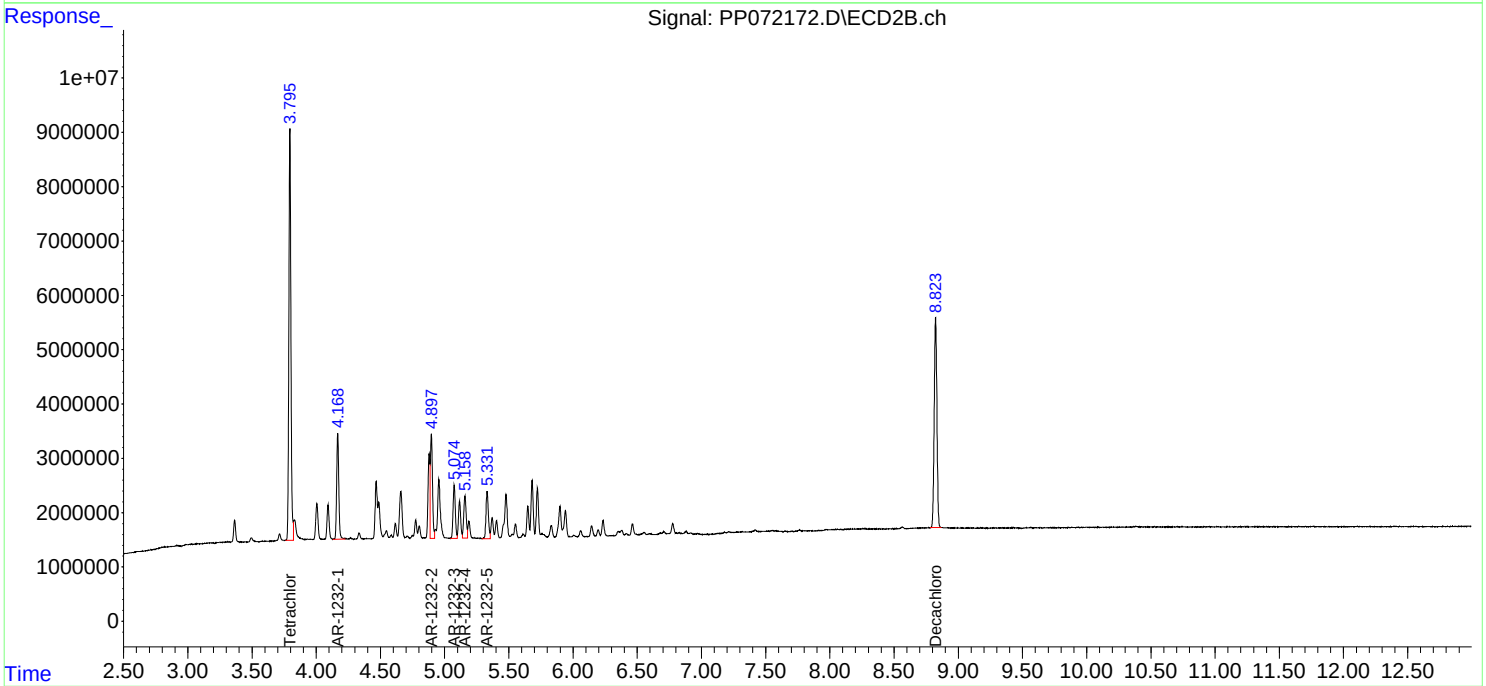
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:54
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

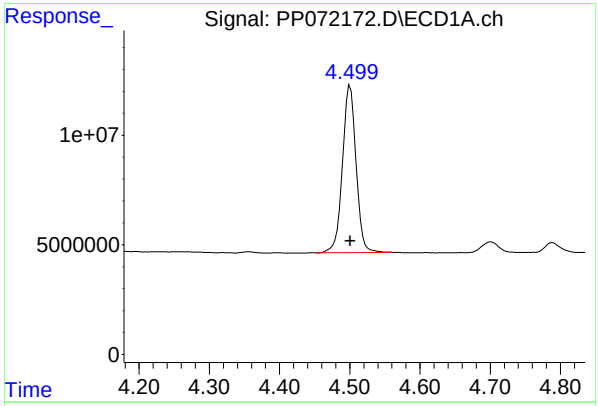
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



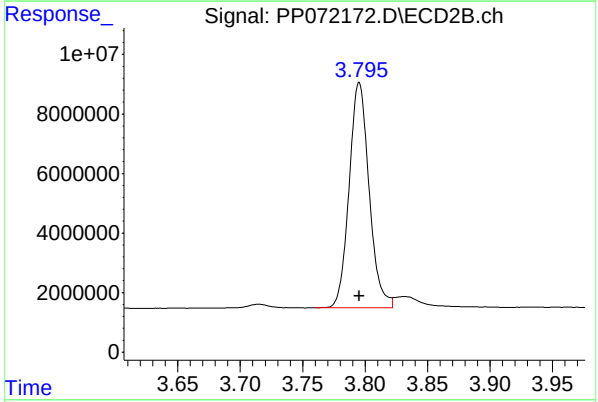






#1 Tetrachloro-m-xylene

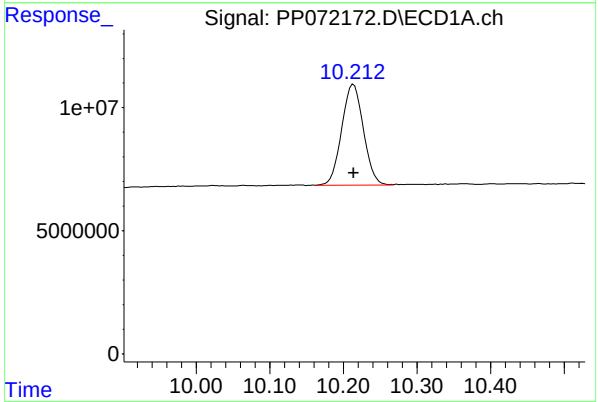
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 102732092
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500



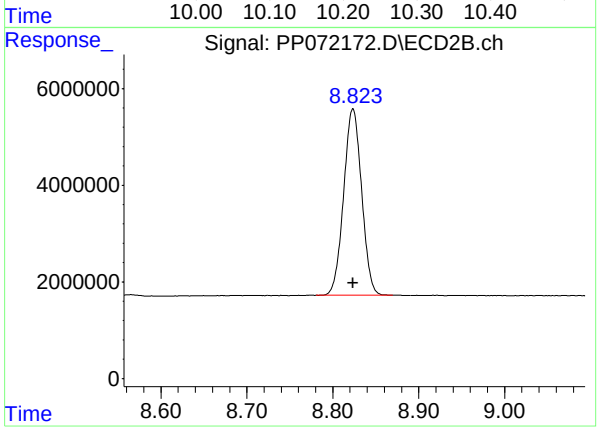

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 84298957
Conc: 50.00 ng/ml



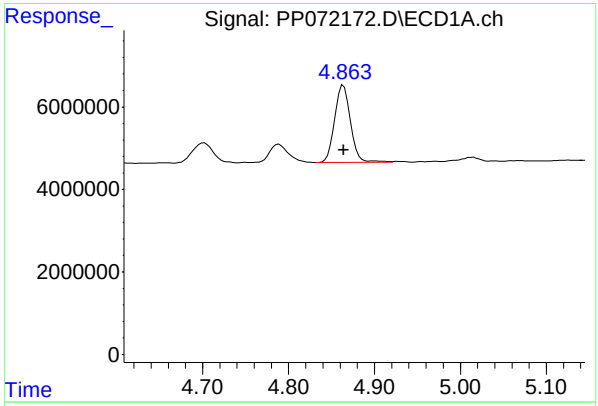

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 83645074
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

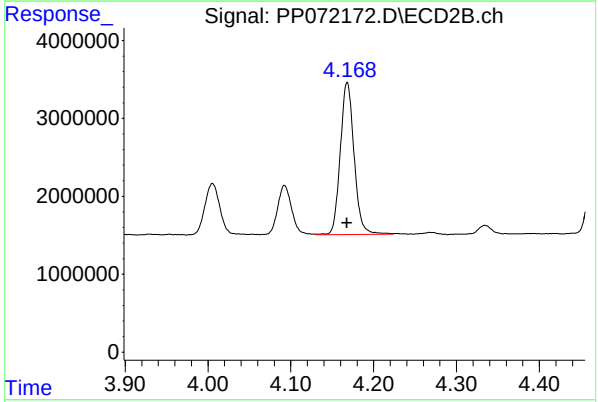
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 56024151
Conc: 50.00 ng/ml




#11 AR-1232-1

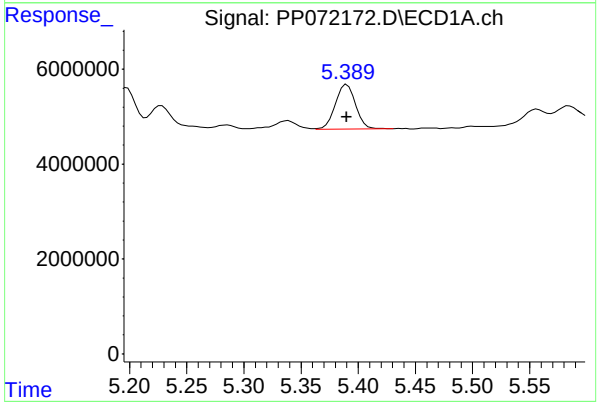
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 24001461
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500



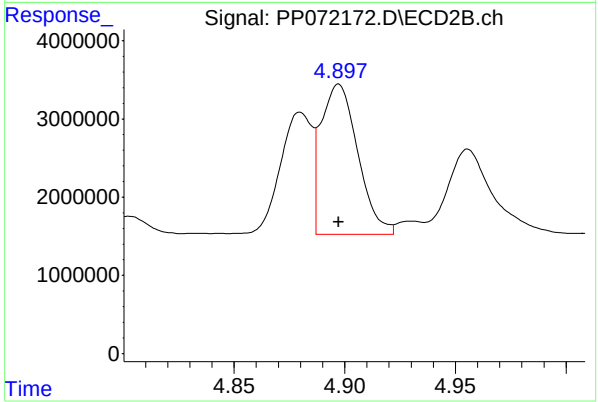

#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 22645075
Conc: 500.00 ng/ml



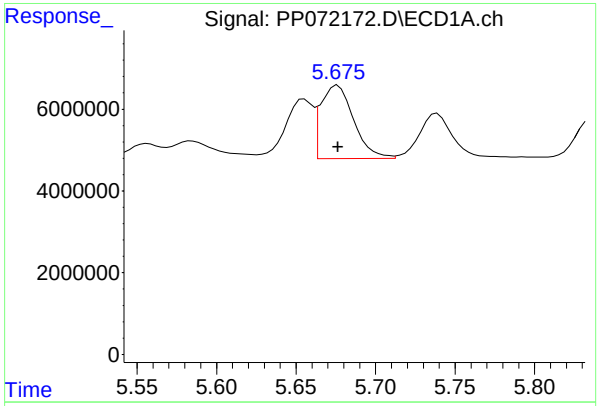

#12 AR-1232-2

R.T.: 5.390 min
Delta R.T.: 0.000 min
Response: 11622194
Conc: 500.00 ng/ml




#12 AR-1232-2

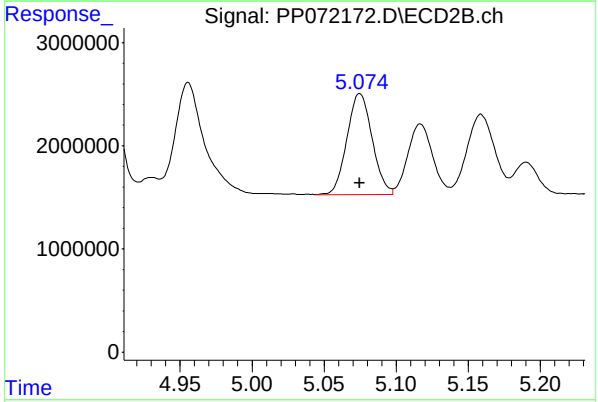
R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 22266011
Conc: 500.00 ng/ml




#13 AR-1232-3

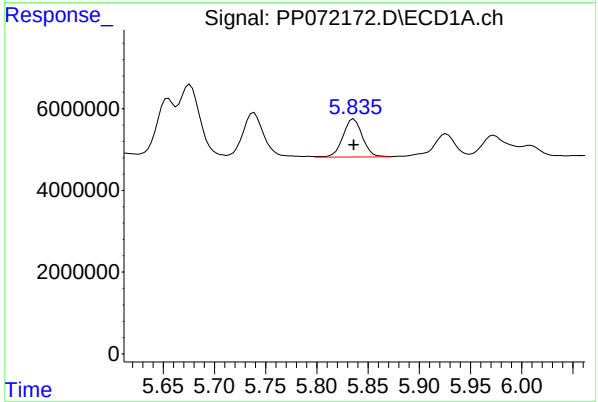
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 25922328
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500



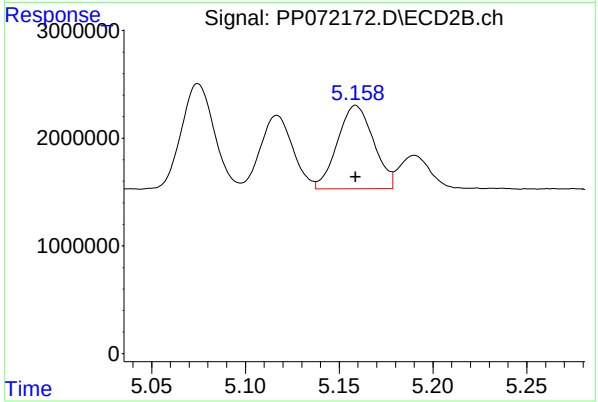

#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 11904276
Conc: 500.00 ng/ml



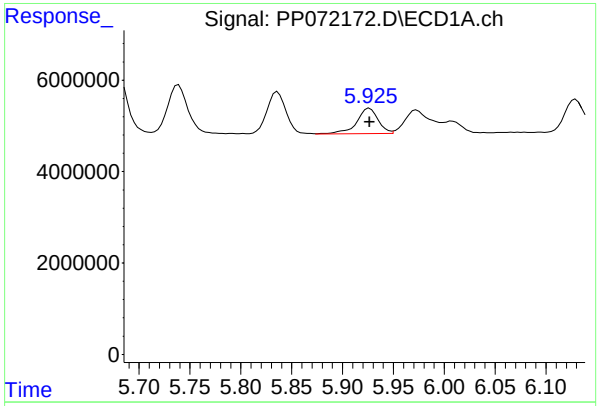

#14 AR-1232-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 12402195
Conc: 500.00 ng/ml




#14 AR-1232-4

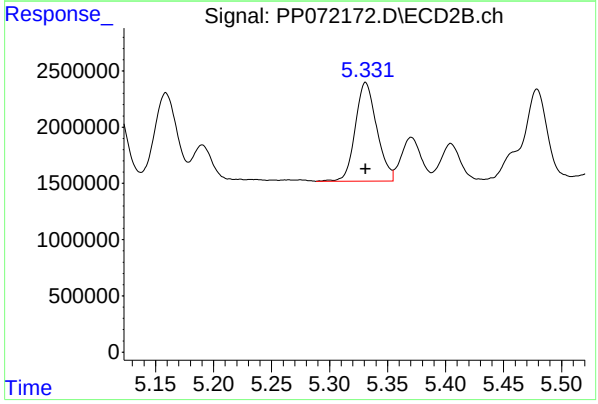
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 10340360
Conc: 500.00 ng/ml




#15 AR-1232-5

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 8221206
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500




#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 11267225
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:10
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:57:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.795 | 53057253 | 41777414 | 26.318 | 26.023 |
| 2) | SA Decachlor... | 10.217 | 8.824 | 42592543 | 28685378 | 26.120 | 26.506 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.865 | 4.167 | 12061819 | 11916931 | 259.084 | 278.487 |
| 12) | L3 AR-1232-2 | 5.391 | 4.897 | 5757452 | 11850655 | 253.297 | 273.502 |
| 13) | L3 AR-1232-3 | 5.678 | 5.074 | 13595730 | 6293241 | 267.701 | 273.247 |
| 14) | L3 AR-1232-4 | 5.838 | 5.158 | 6545799 | 5422323 | 266.163 | 272.197 |
| 15) | L3 AR-1232-5 | 5.928 | 5.331 | 4527330 | 6054853 | 271.199 | 276.907 |

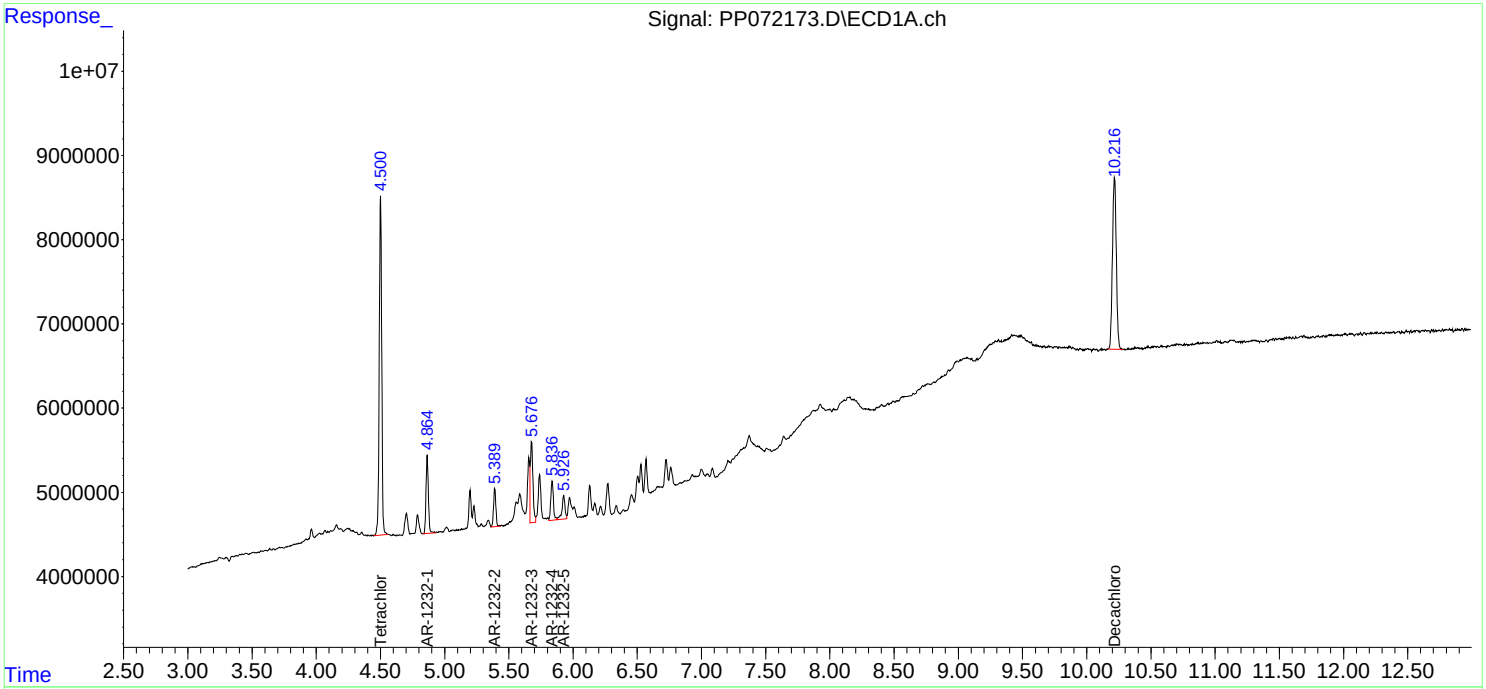
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

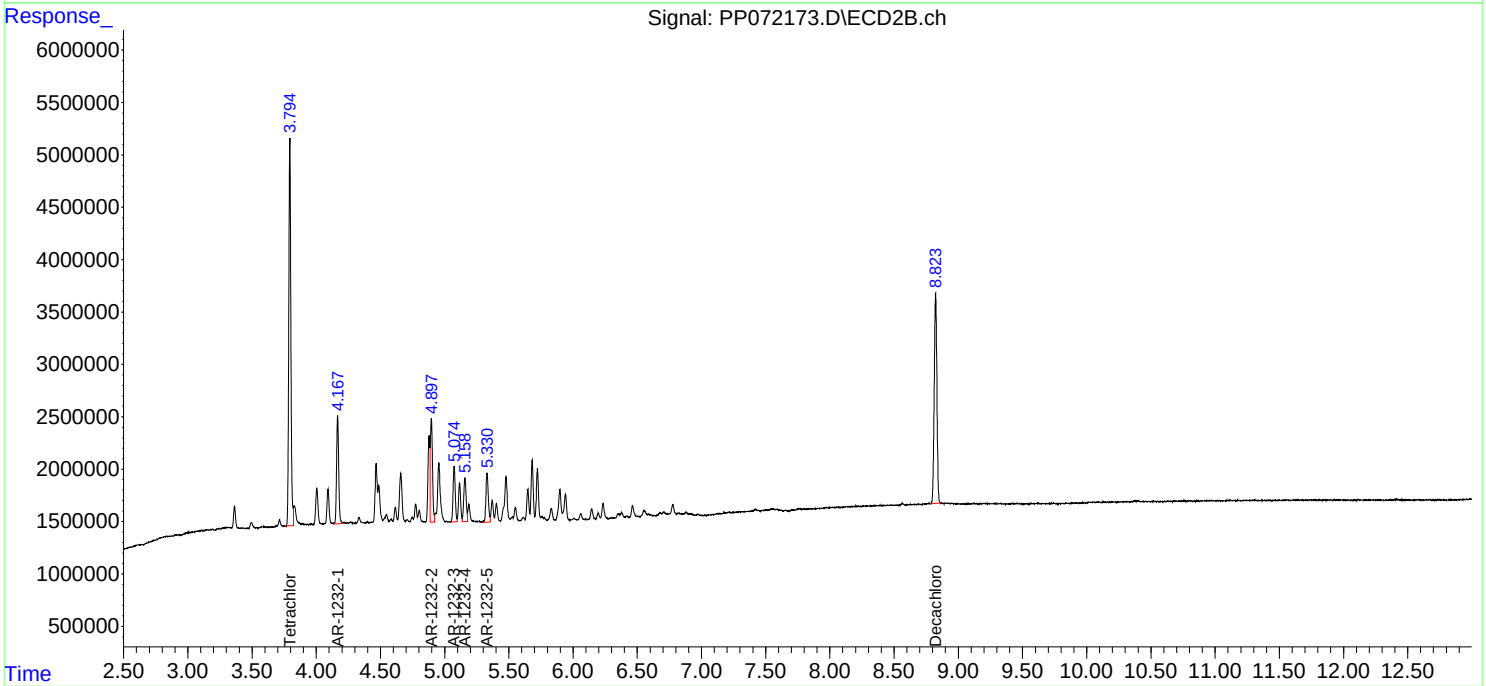
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:10
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

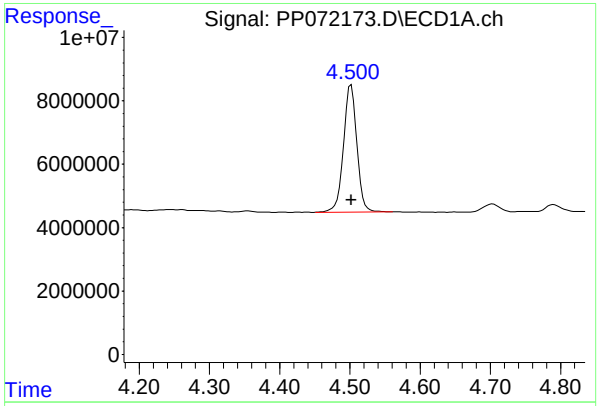
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:57:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



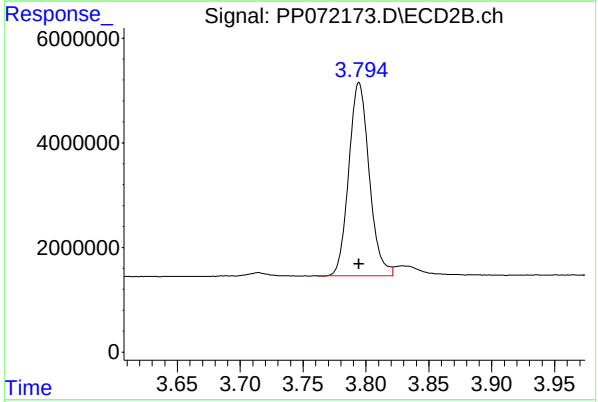






#1 Tetrachloro-m-xylene

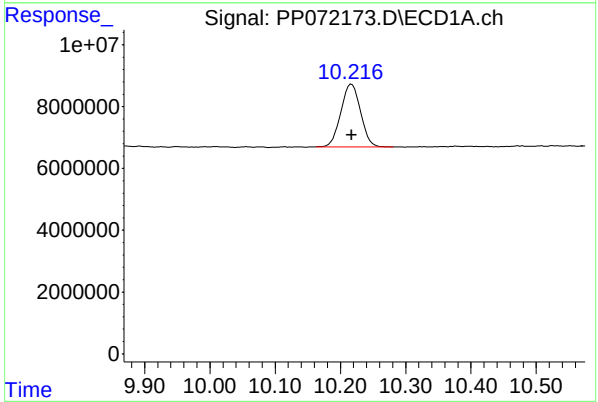
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 53057253
Conc: 26.32 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC250



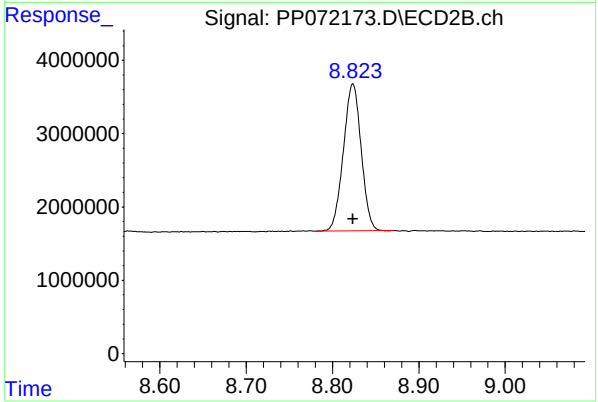

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 41777414
Conc: 26.02 ng/ml



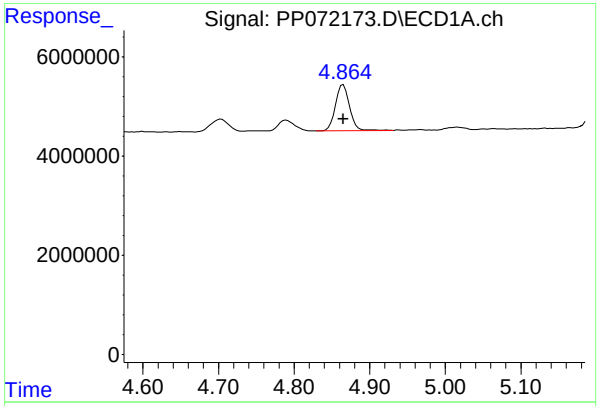

#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 42592543
Conc: 26.12 ng/ml




#2 Decachlorobiphenyl

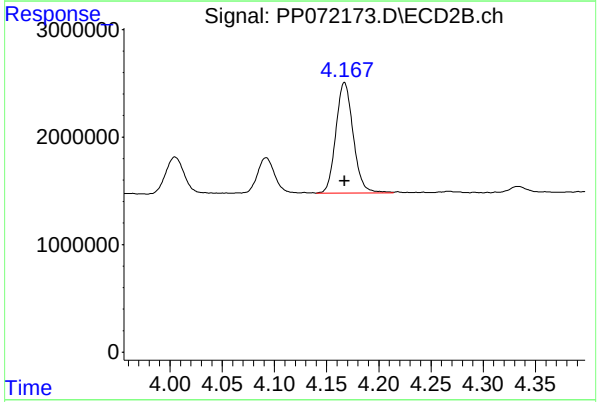
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 28685378
Conc: 26.51 ng/ml




#11 AR-1232-1

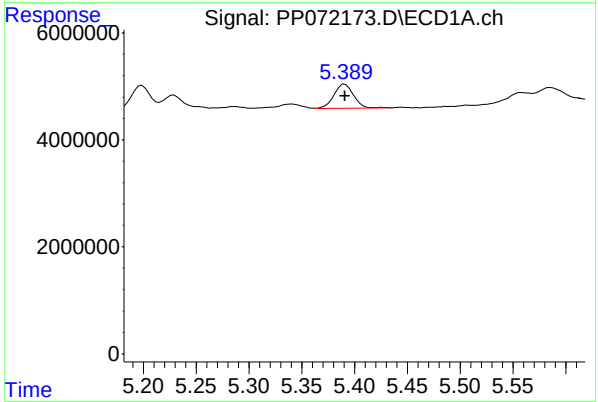
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 12061819
Conc: 259.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC250



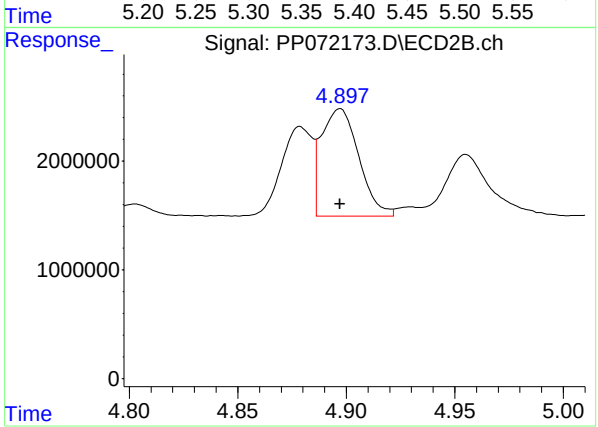

#11 AR-1232-1

R.T.: 4.167 min
Delta R.T.: 0.000 min
Response: 11916931
Conc: 278.49 ng/ml



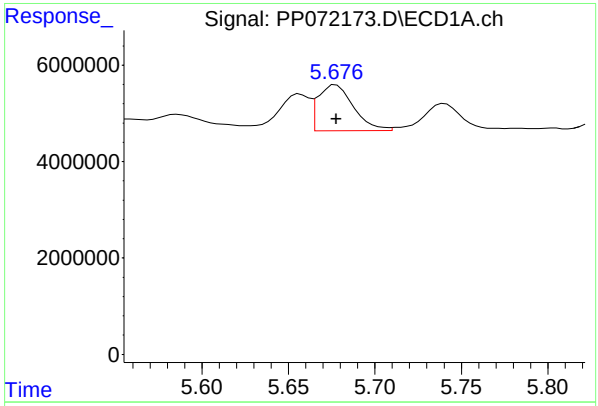

#12 AR-1232-2

R.T.: 5.391 min
Delta R.T.: 0.000 min
Response: 5757452
Conc: 253.30 ng/ml




#12 AR-1232-2

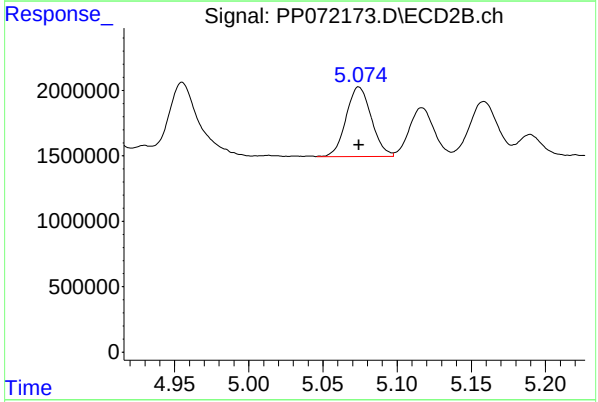
R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 11850655
Conc: 273.50 ng/ml




#13 AR-1232-3

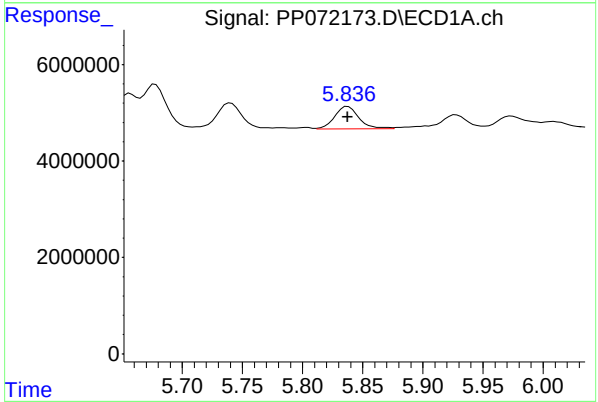
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 13595730
Conc: 267.70 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC250



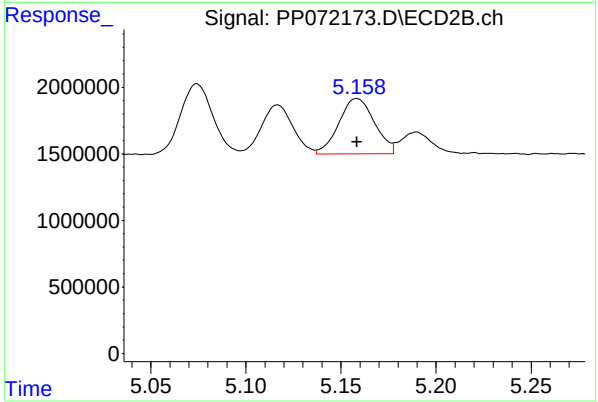

#13 AR-1232-3

R.T.: 5.074 min
Delta R.T.: 0.000 min
Response: 6293241
Conc: 273.25 ng/ml



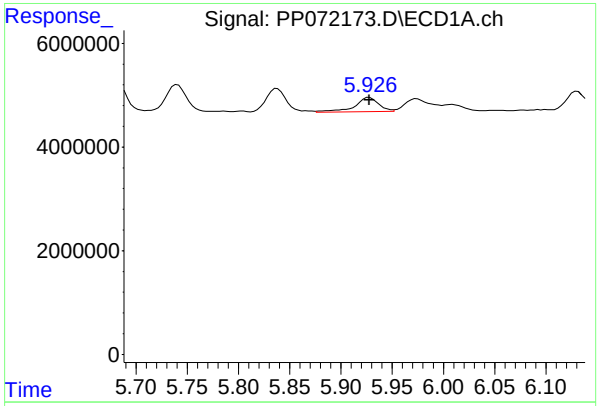

#14 AR-1232-4

R.T.: 5.838 min
Delta R.T.: 0.000 min
Response: 6545799
Conc: 266.16 ng/ml




#14 AR-1232-4

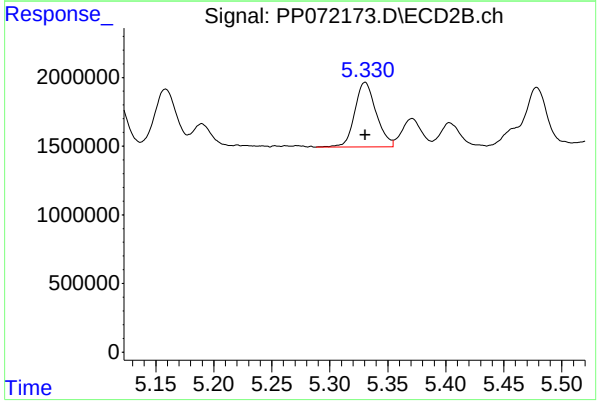
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 5422323
Conc: 272.20 ng/ml




#15 AR-1232-5

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 4527330
Conc: 271.20 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC250




#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 6054853
Conc: 276.91 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC050

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.499 | 3.796 | 9615863 | 7891304 | 4.814 | 4.932 |
| 2) | SA Decachlor... | 10.211 | 8.824 | 7499330 | 5759848 | 4.674 | 5.254 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.863 | 4.168 | 2465980 | 2277793 | 52.347 | 52.551 |
| 12) | L3 AR-1232-2 | 5.389 | 4.898 | 1274783 | 2379299 | 54.751 | 53.854 |
| 13) | L3 AR-1232-3 | 5.674 | 5.075 | 2358363 | 1239517 | 46.317m | 53.009 |
| 14) | L3 AR-1232-4 | 5.832 | 5.160 | 1356122 | 1195921 | 55.264m | 57.718 |
| 15) | L3 AR-1232-5 | 5.924 | 5.331 | 1041139 | 1415397 | 59.427 | 61.129 |

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

ICAL Form

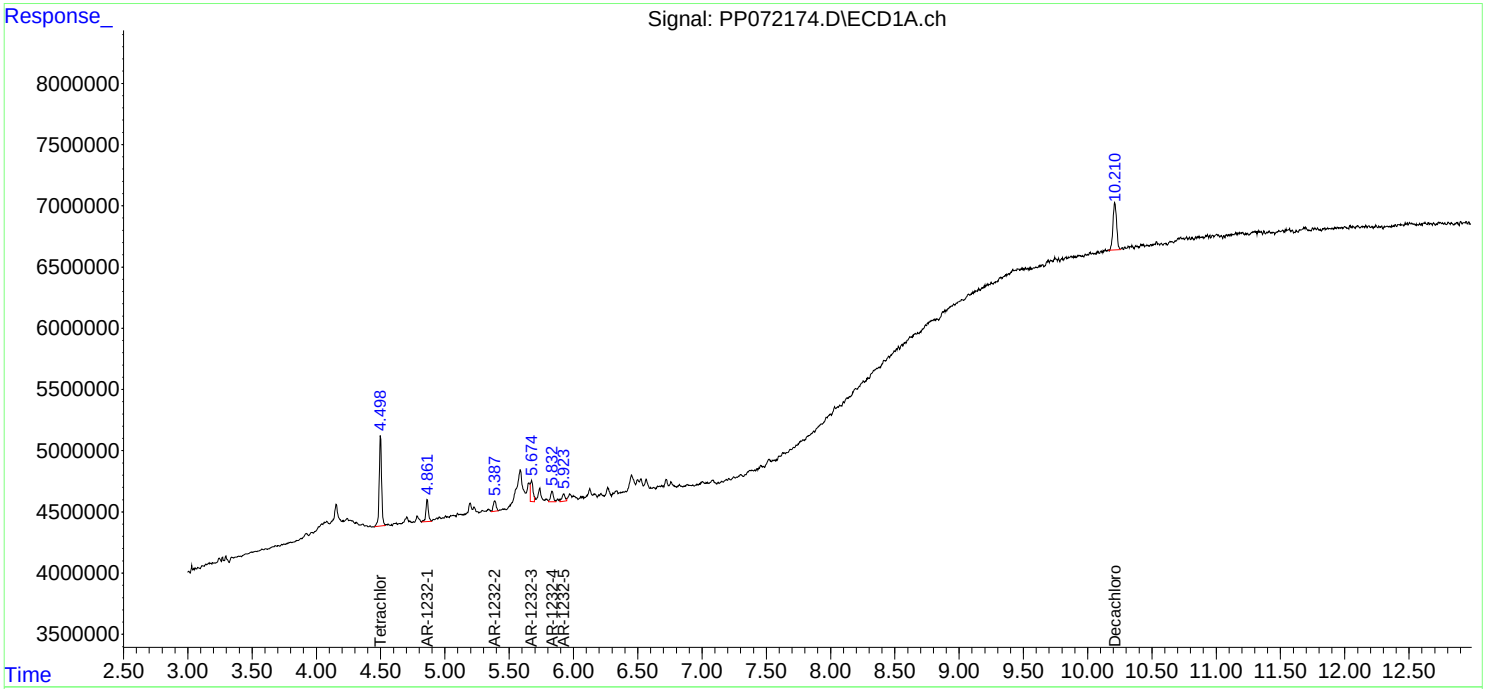
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

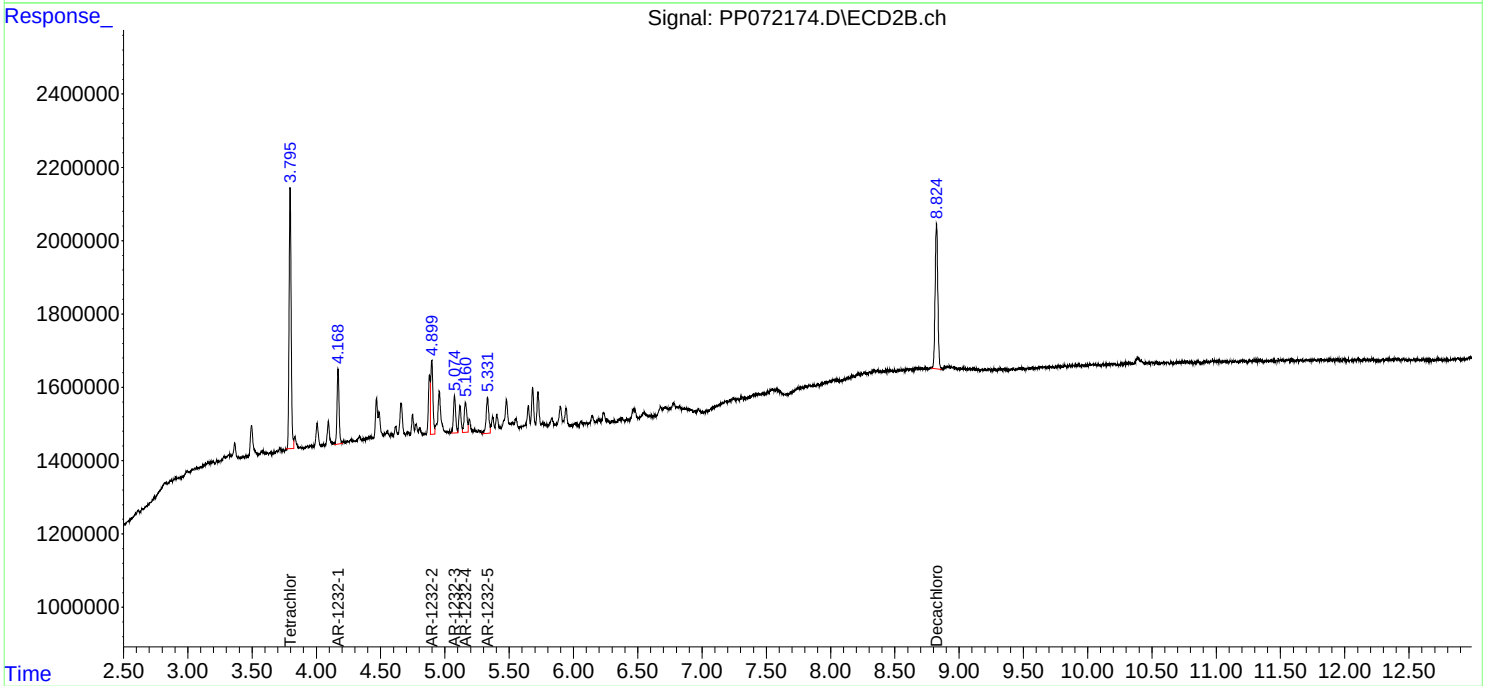
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC050

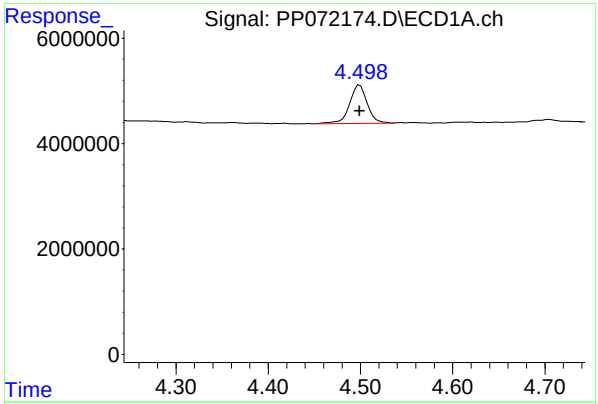
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





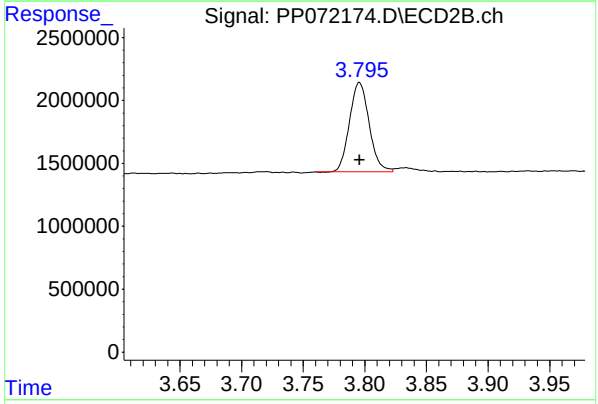

#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 9615863
Conc: 4.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC050

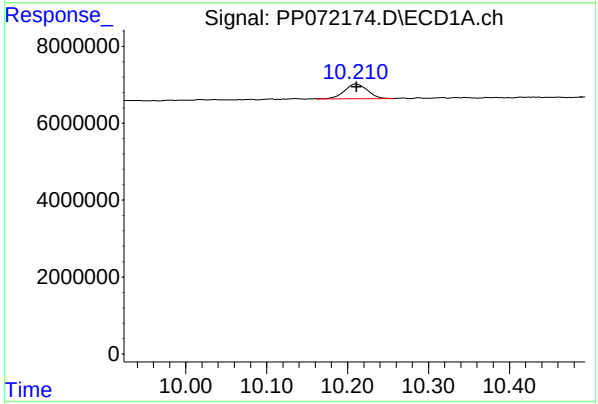
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



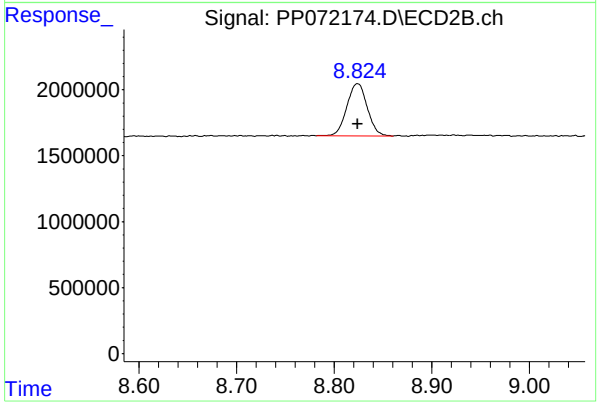

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 7891304
Conc: 4.93 ng/ml



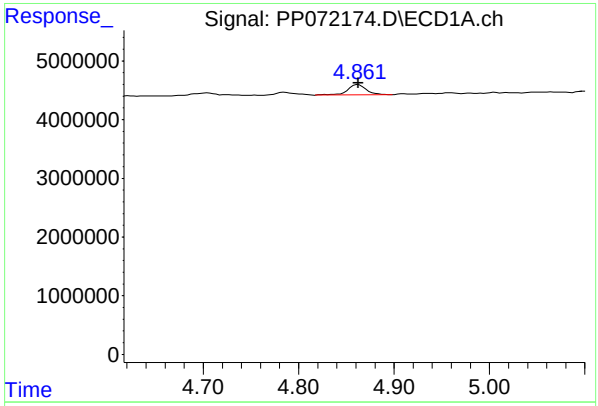

#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: 0.000 min
Response: 7499330
Conc: 4.67 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5759848
Conc: 5.25 ng/ml



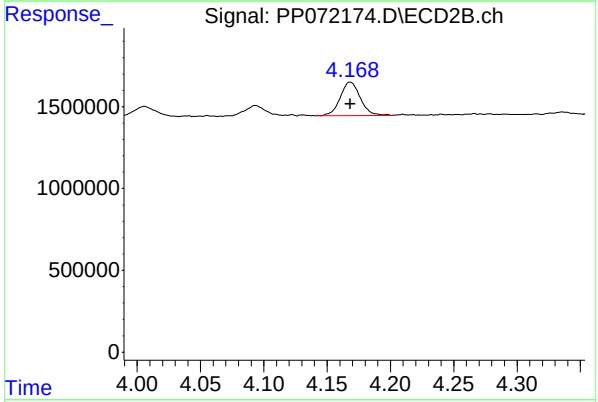

#11 AR-1232-1

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 2465980
Conc: 52.35 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC050

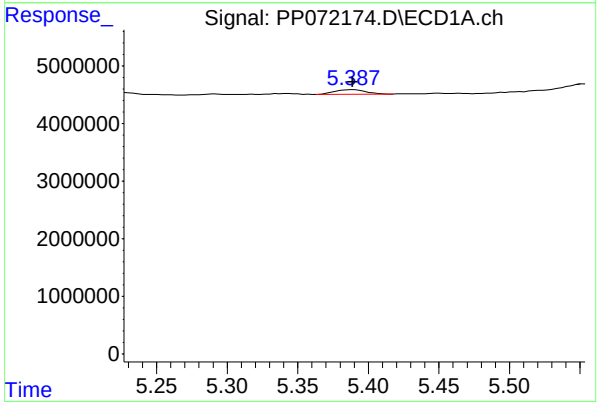
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



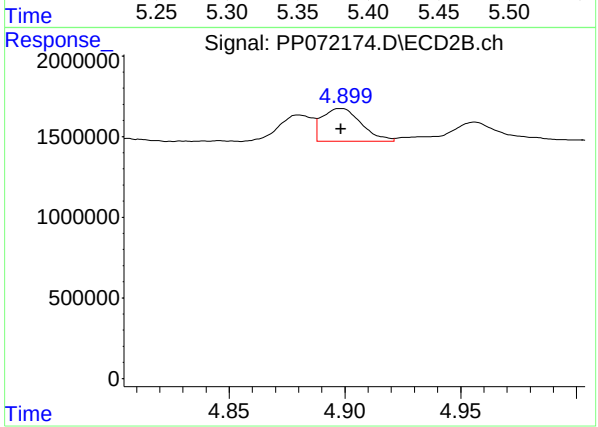

#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 2277793
Conc: 52.55 ng/ml



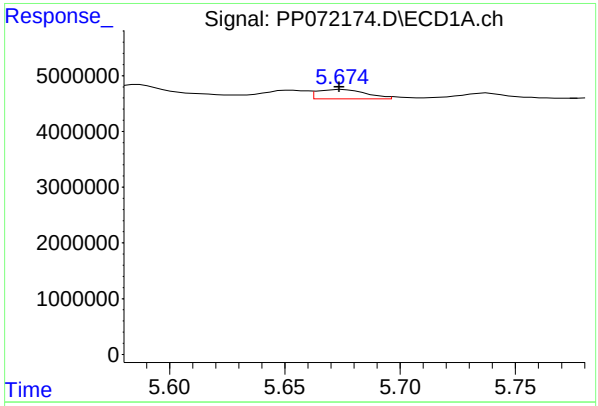

#12 AR-1232-2

R.T.: 5.389 min
Delta R.T.: 0.000 min
Response: 1274783
Conc: 54.75 ng/ml




#12 AR-1232-2

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 2379299
Conc: 53.85 ng/ml



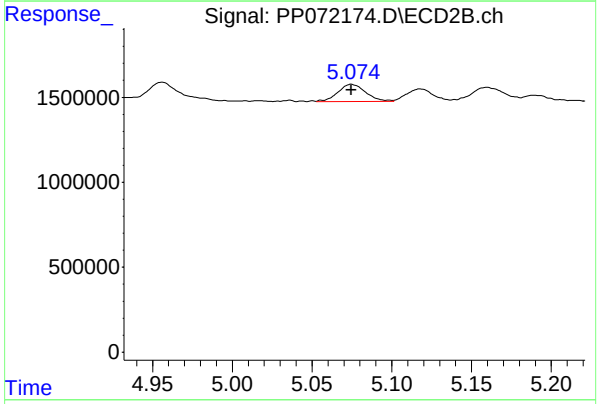

#13 AR-1232-3

R.T.: 5.674 min
Delta R.T.: 0.000 mi
Response: 2358363
Conc: 46.32 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC050

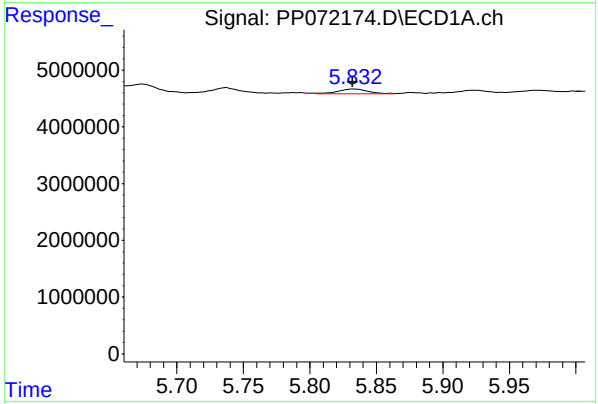
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



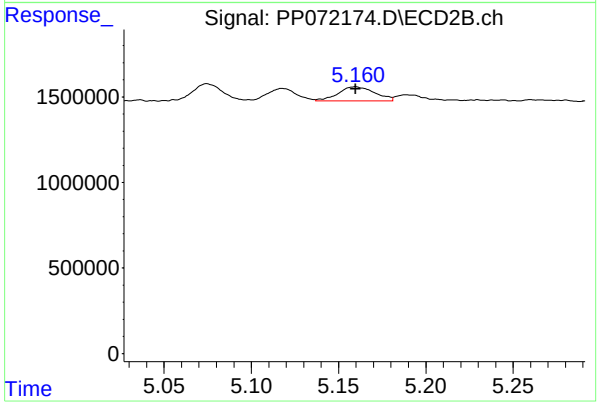

#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 1239517
Conc: 53.01 ng/ml



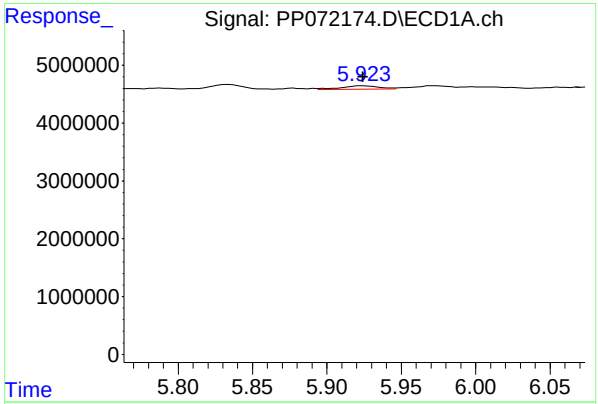

#14 AR-1232-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 1356122
Conc: 55.26 ng/ml m




#14 AR-1232-4

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 1195921
Conc: 57.72 ng/ml



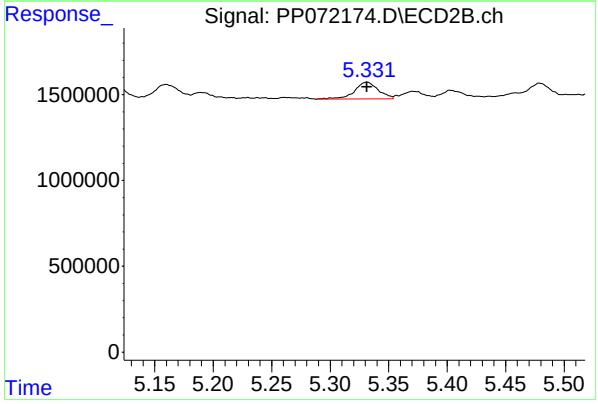

#15 AR-1232-5

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1041139
Conc: 59.43 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025




#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 1415397
Conc: 61.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:43
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.797 | 182.8E6 | 154.6E6 | 95.720 | 98.241 |
| 2) | SA Decachlor... | 10.216 | 8.825 | 152.6E6 | 96717168 | 96.225 | 96.077 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.656 | 4.881 | 56211553 | 46123670 | 950.363 | 932.105 |
| 17) | L4 AR-1242-2 | 5.678 | 4.898 | 82973080 | 66003789 | 949.042 | 933.080 |
| 18) | L4 AR-1242-3 | 5.740 | 5.076 | 51559127 | 34394227 | 963.224 | 911.604 |
| 19) | L4 AR-1242-4 | 5.837 | 5.160 | 41207603 | 32146418 | 945.604 | 905.879 |
| 20) | L4 AR-1242-5 | 6.568 | 5.683 | 47977894 | 41776015 | 970.648 | 922.915 |

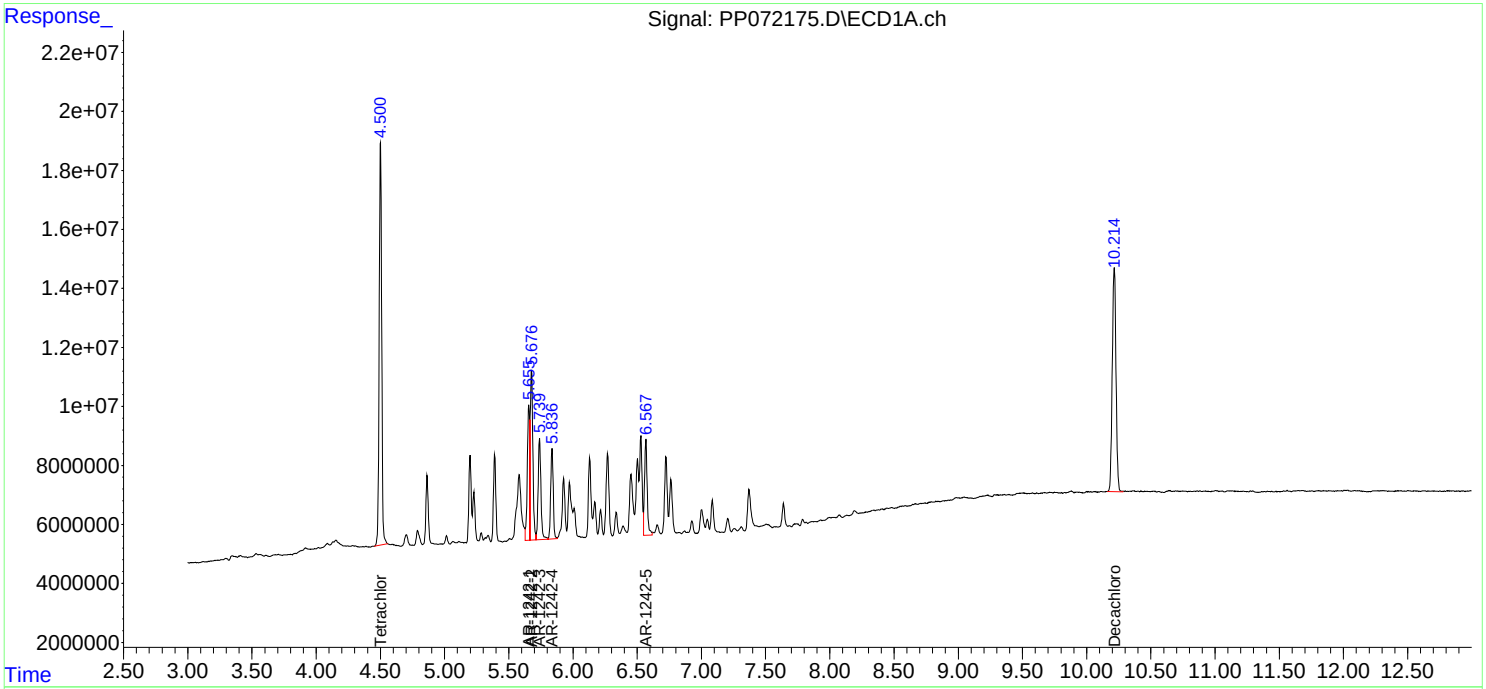
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

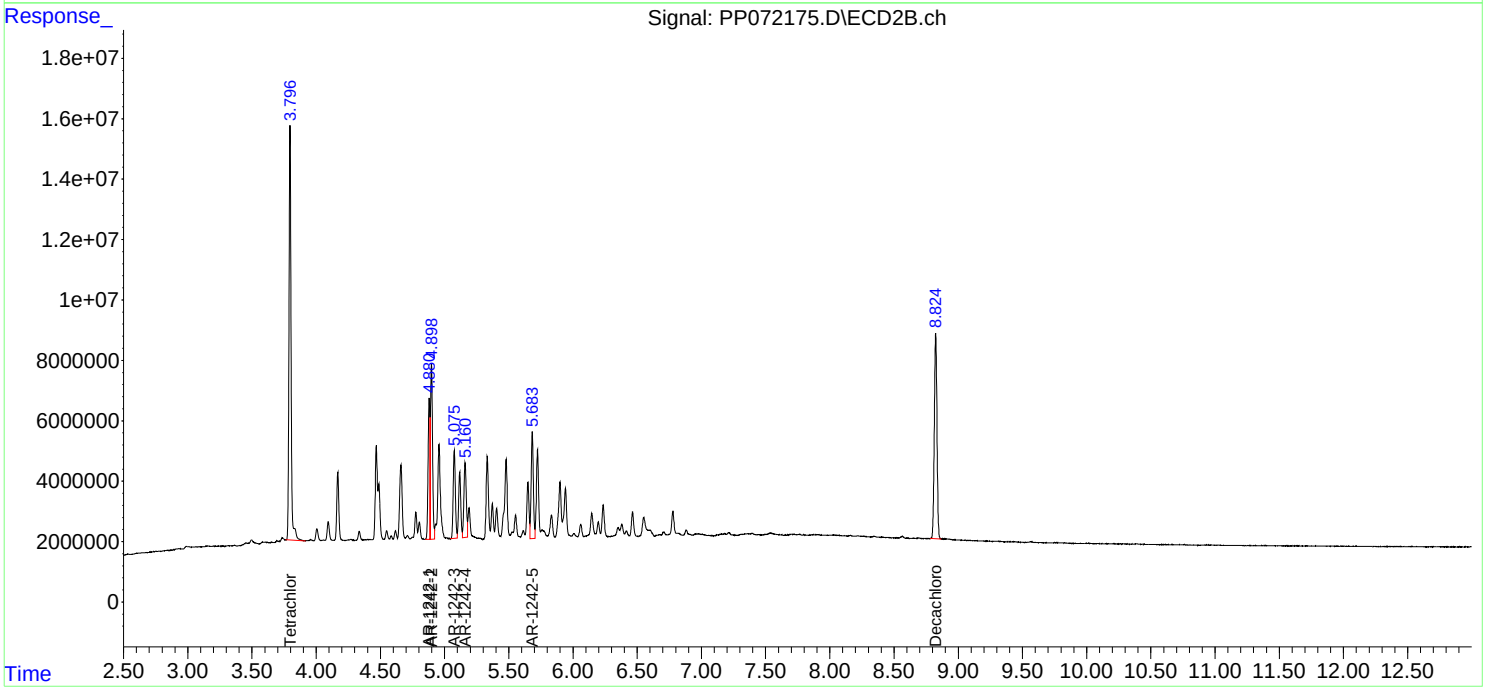
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:43
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

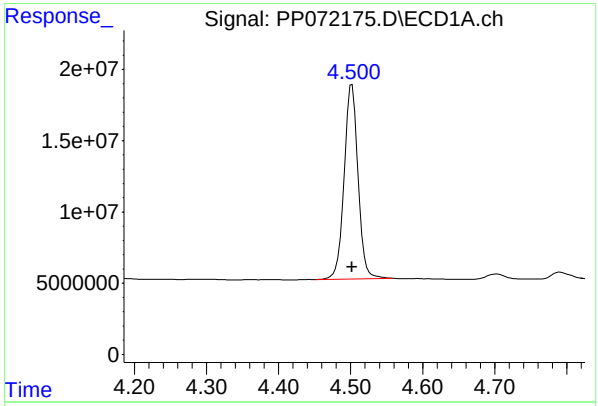
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



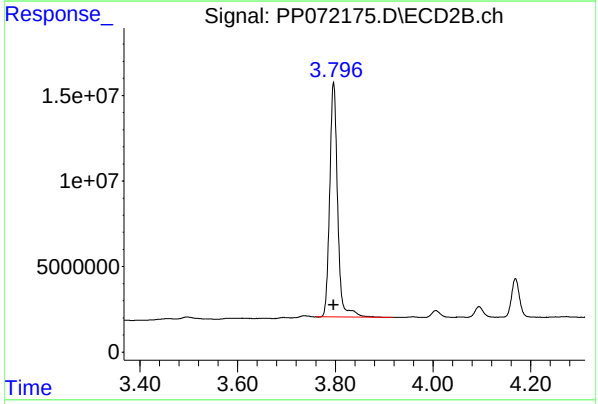






#1 Tetrachloro-m-xylene

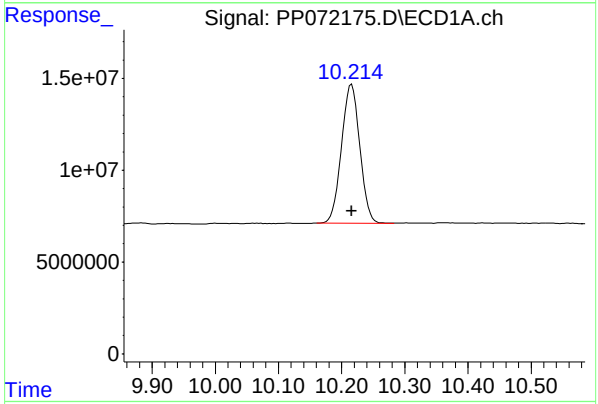
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 182780849
Conc: 95.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000



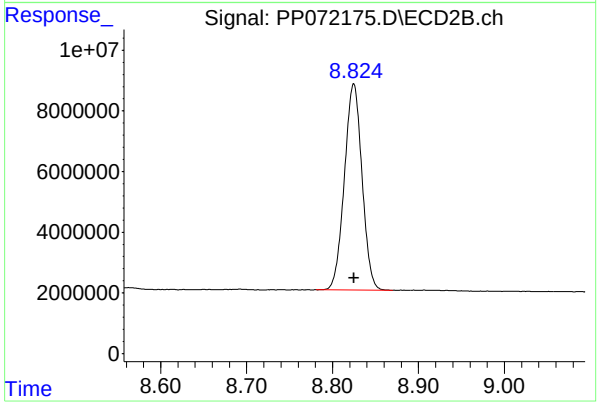

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 154562185
Conc: 98.24 ng/ml



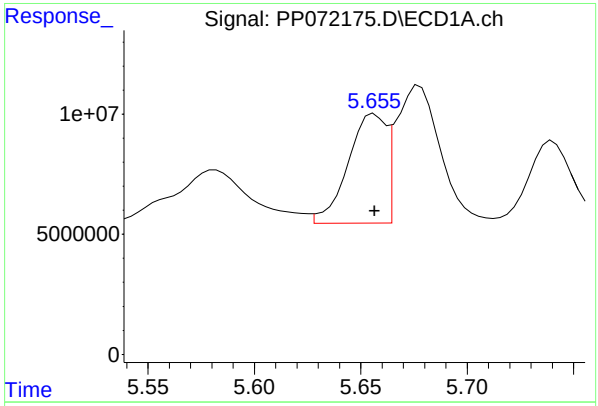

#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.000 min
Response: 152621418
Conc: 96.22 ng/ml




#2 Decachlorobiphenyl

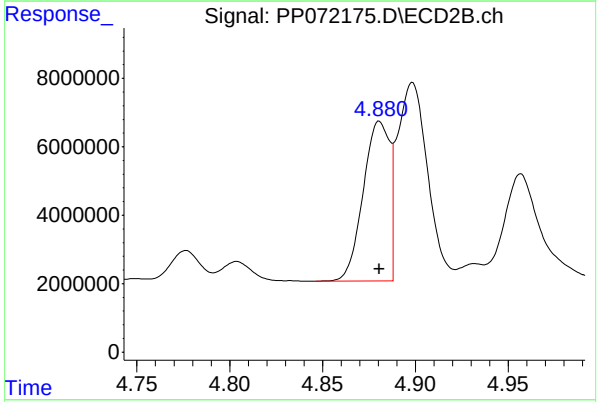
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 96717168
Conc: 96.08 ng/ml




#16 AR-1242-1

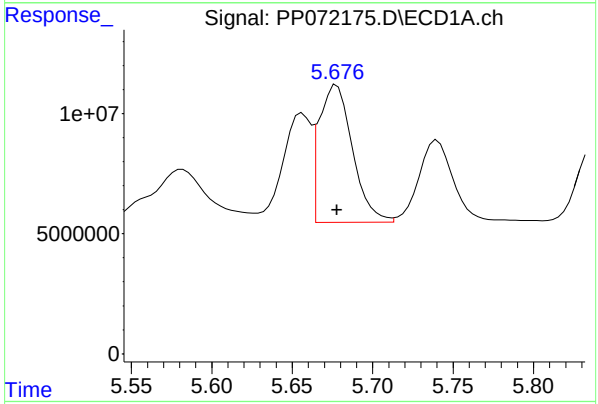
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 56211553
Conc: 950.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000



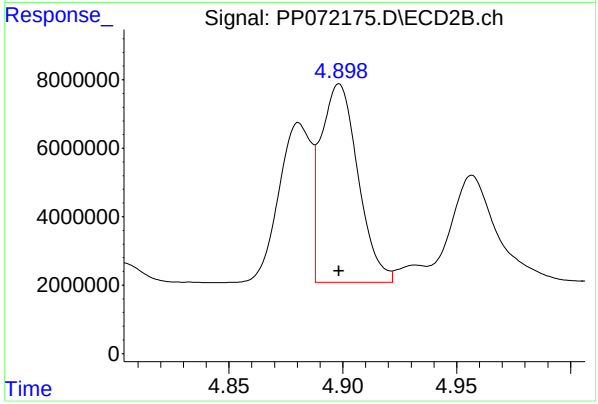

#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 46123670
Conc: 932.11 ng/ml



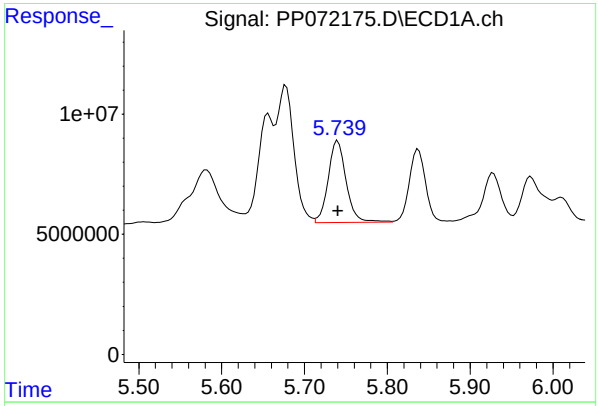

#17 AR-1242-2

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 82973080
Conc: 949.04 ng/ml




#17 AR-1242-2

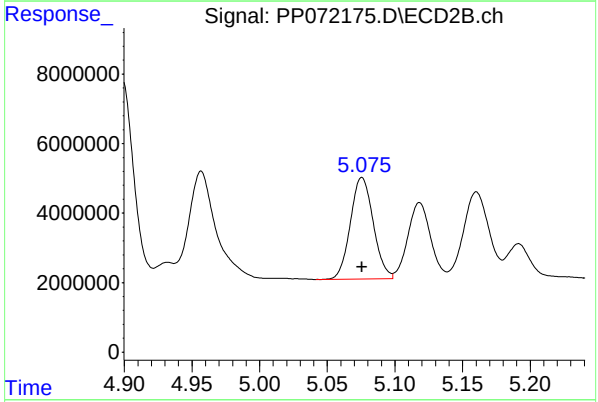
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 66003789
Conc: 933.08 ng/ml




#18 AR-1242-3

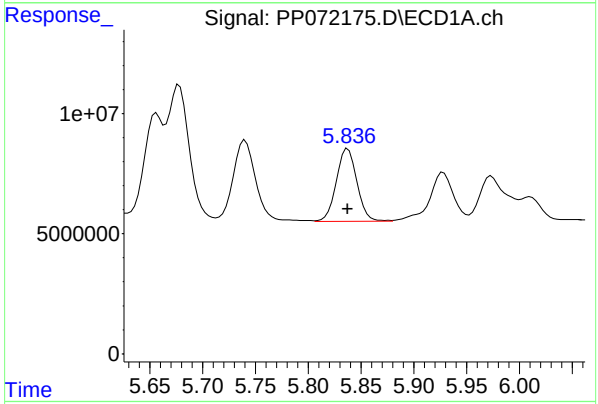
R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 51559127
Conc: 963.22 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000



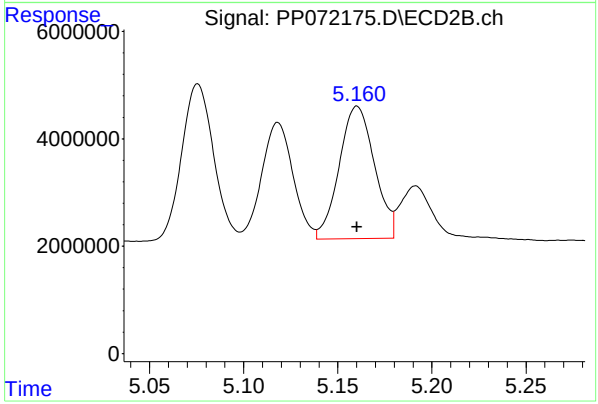

#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 34394227
Conc: 911.60 ng/ml



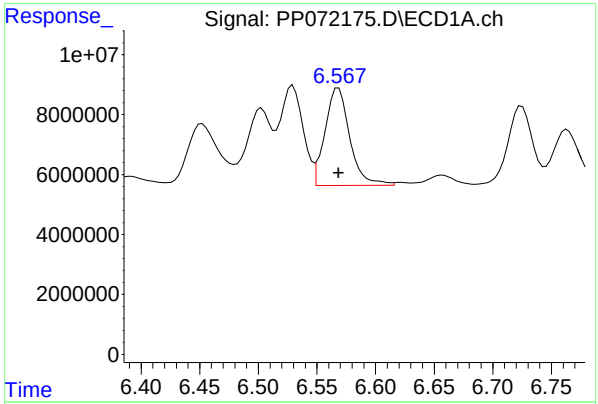

#19 AR-1242-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 41207603
Conc: 945.60 ng/ml




#19 AR-1242-4

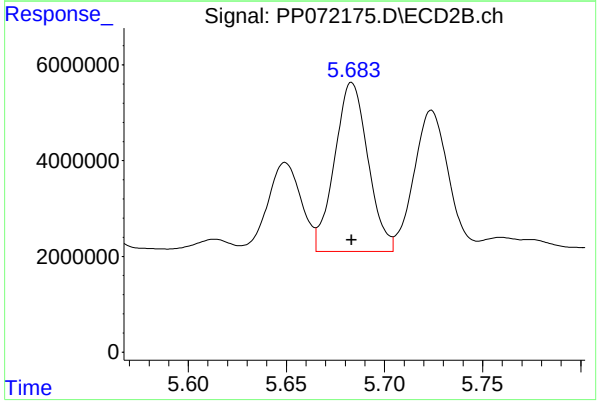
R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 32146418
Conc: 905.88 ng/ml




#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 47977894
Conc: 970.65 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000




#20 AR-1242-5

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 41776015
Conc: 922.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:59
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:45:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.797 | 144.7E6 | 125.3E6 | 75.506 | 78.026 |
| 2) | SA Decachlor... | 10.215 | 8.825 | 117.5E6 | 80603094 | 74.400 | 78.305 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.656 | 4.881 | 42992304 | 37426857 | 734.417 | 754.223 |
| 17) | L4 AR-1242-2 | 5.677 | 4.899 | 64478622 | 53279521 | 741.623 | 752.130 |
| 18) | L4 AR-1242-3 | 5.739 | 5.076 | 39091479 | 29082900 | 736.754 | 763.759 |
| 19) | L4 AR-1242-4 | 5.837 | 5.161 | 32272993 | 27640589 | 743.693 | 769.026 |
| 20) | L4 AR-1242-5 | 6.568 | 5.684 | 36522171 | 34960050 | 742.554 | 764.745 |

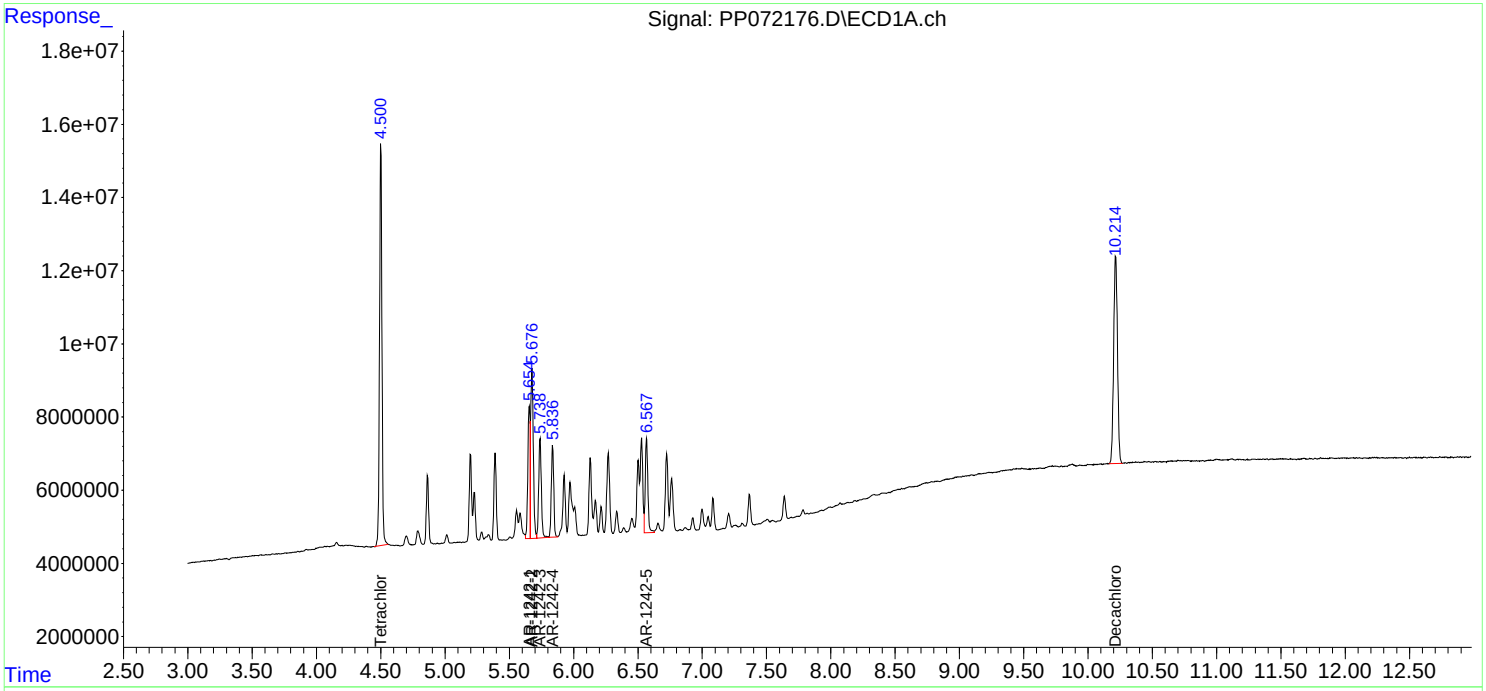
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

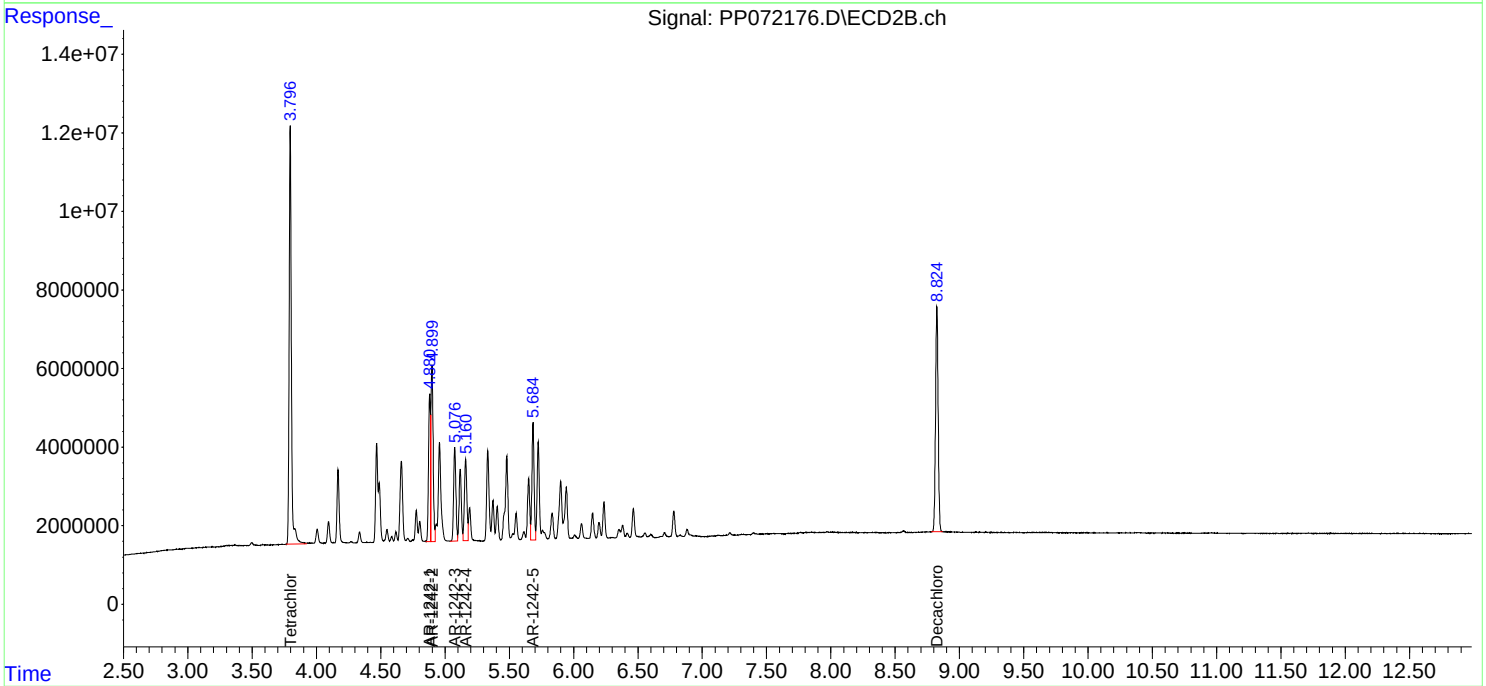
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:59
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

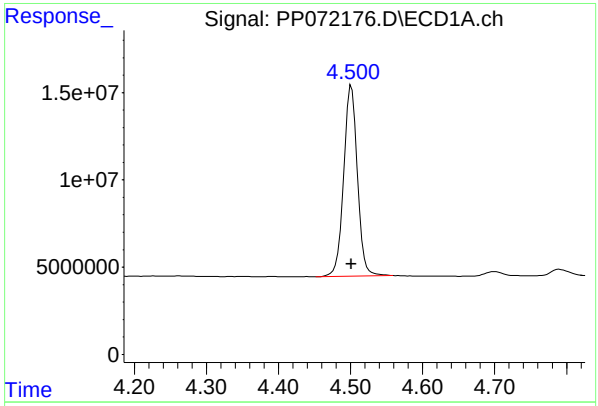
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:45:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



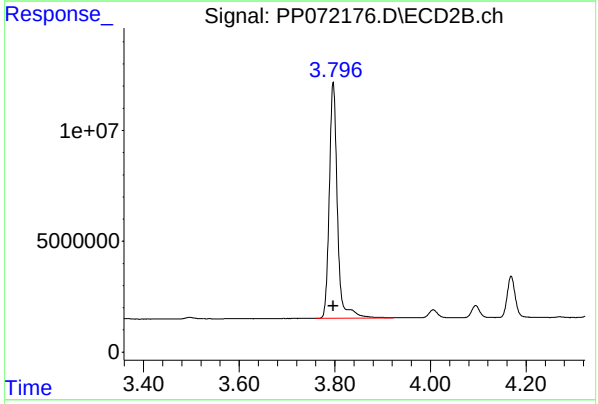






#1 Tetrachloro-m-xylene

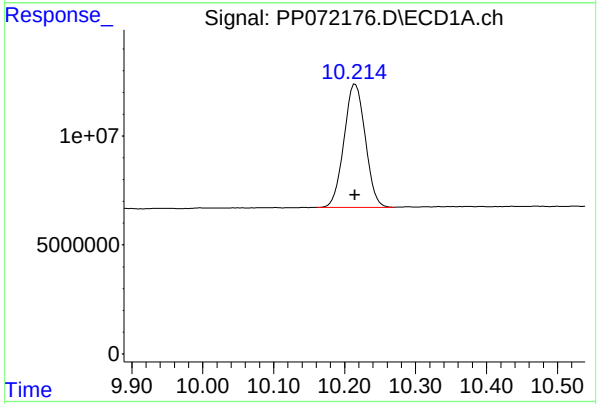
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 144669564
Conc: 75.51 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750



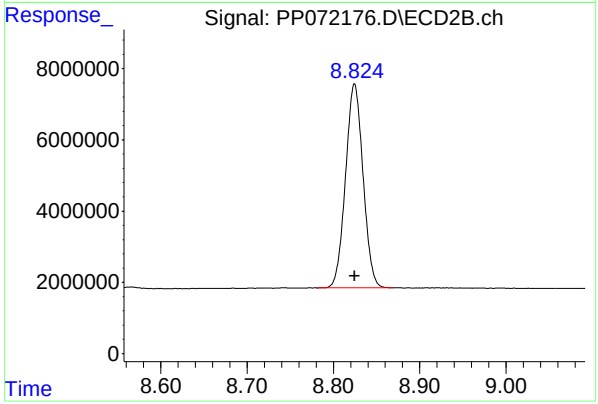

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 125283674
Conc: 78.03 ng/ml



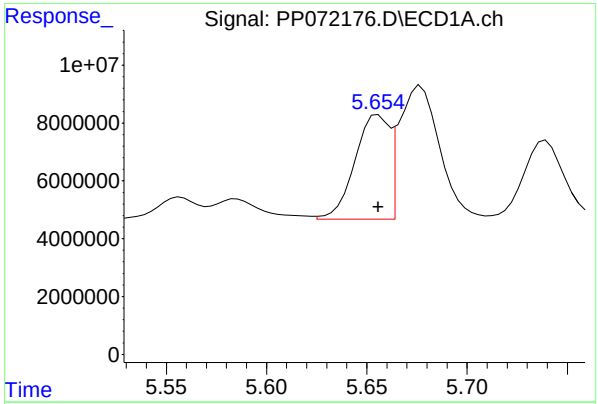

#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 117535026
Conc: 74.40 ng/ml




#2 Decachlorobiphenyl

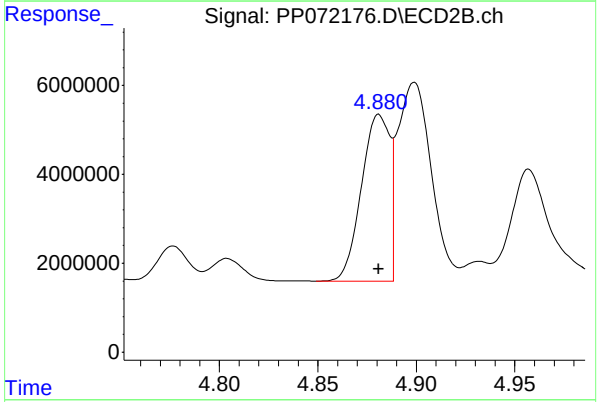
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 80603094
Conc: 78.30 ng/ml




#16 AR-1242-1

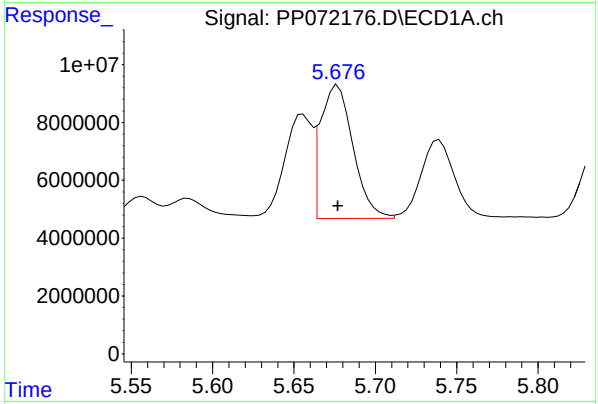
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 42992304
Conc: 734.42 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750



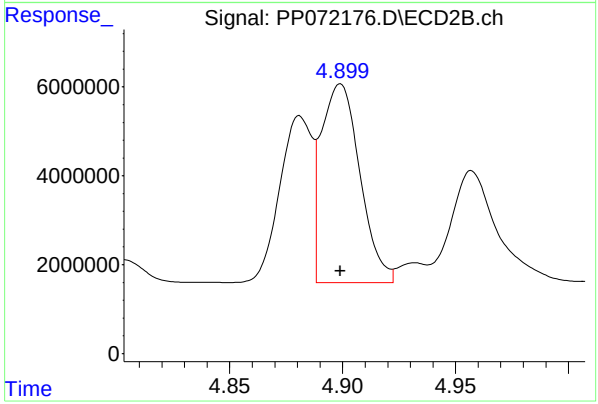

#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 37426857
Conc: 754.22 ng/ml



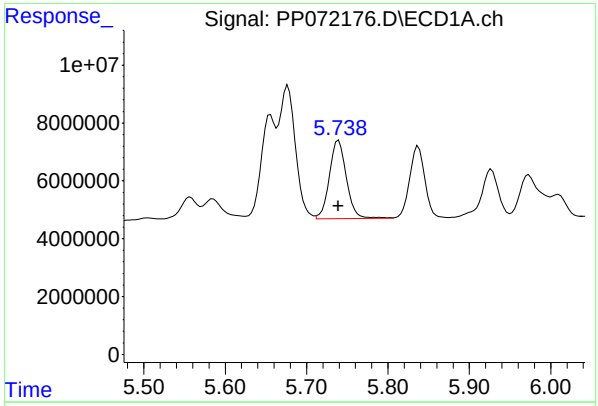

#17 AR-1242-2

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 64478622
Conc: 741.62 ng/ml




#17 AR-1242-2

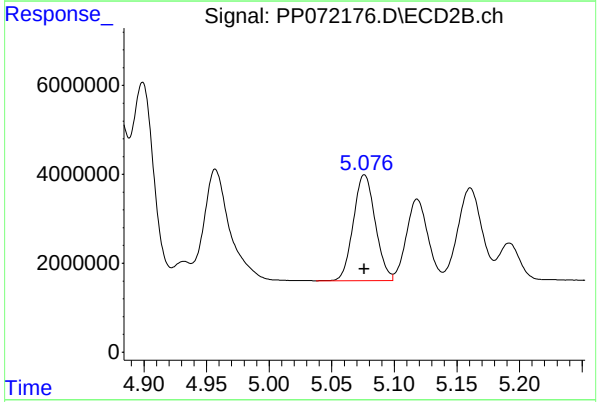
R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 53279521
Conc: 752.13 ng/ml




#18 AR-1242-3

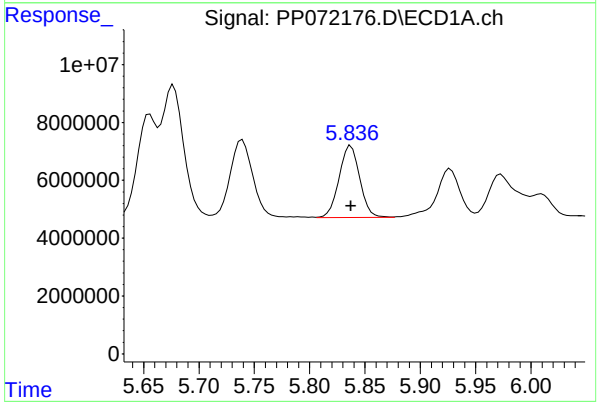
R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 39091479
Conc: 736.75 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750



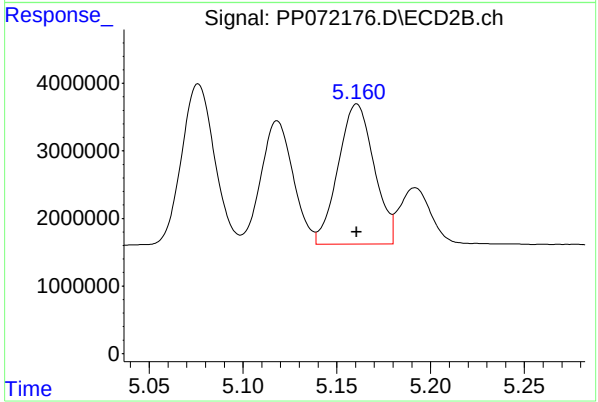

#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 29082900
Conc: 763.76 ng/ml



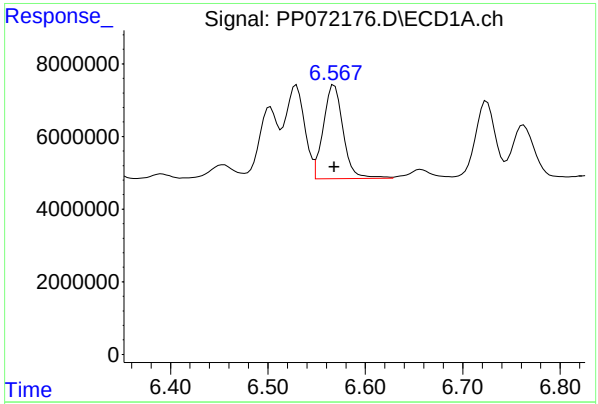

#19 AR-1242-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 32272993
Conc: 743.69 ng/ml




#19 AR-1242-4

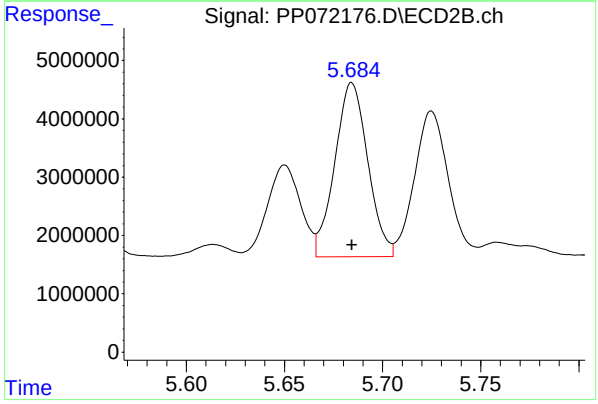
R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 27640589
Conc: 769.03 ng/ml




#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 36522171
Conc: 742.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750




#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 34960050
Conc: 764.74 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:39:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.505 | 3.798 | 99563757 | 80047805 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.221 | 8.827 | 82298882 | 52308236 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.659 | 4.883 | 31041680 | 26421500 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 5.681 | 4.901 | 45941667 | 37735643 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 5.743 | 5.078 | 27748086 | 20532241 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 5.841 | 5.162 | 22974288 | 19413228 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 6.572 | 5.685 | 25439777 | 24377285 | 500.000 | 500.000 |

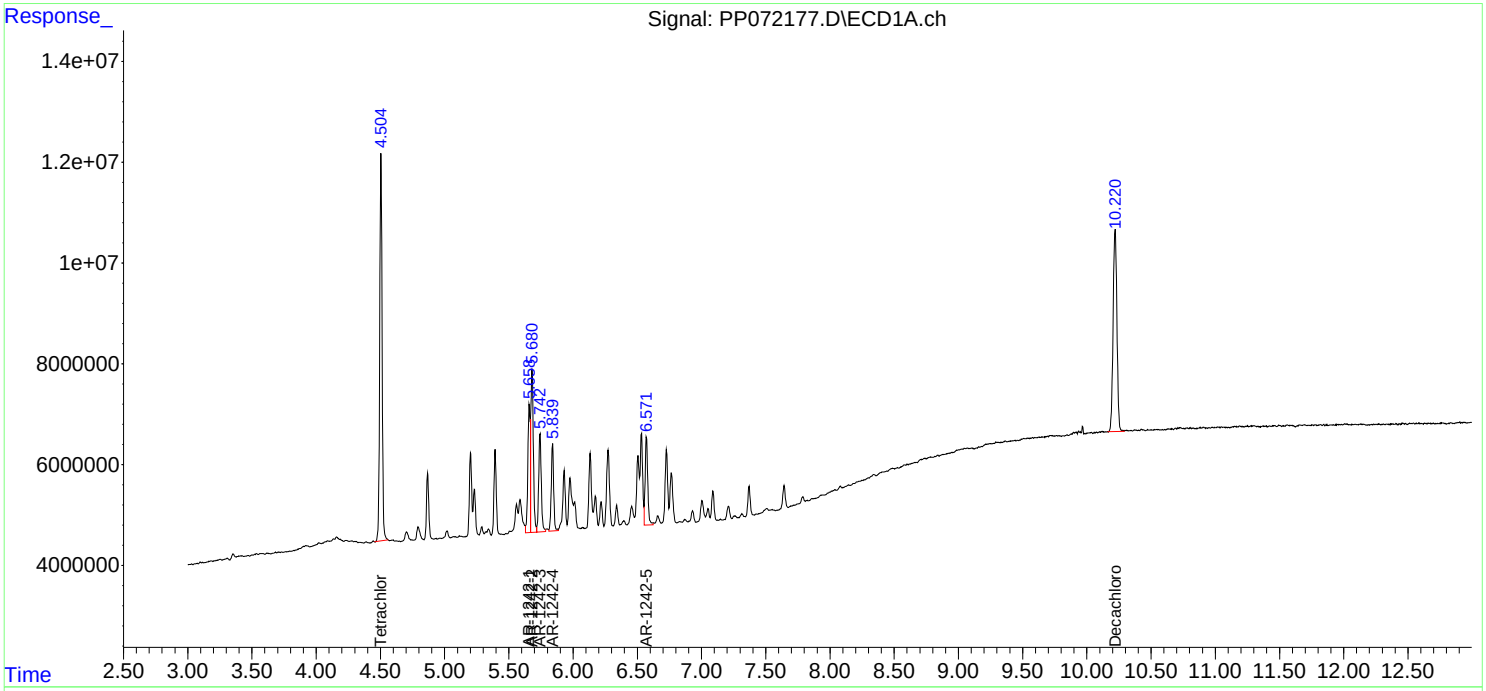
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

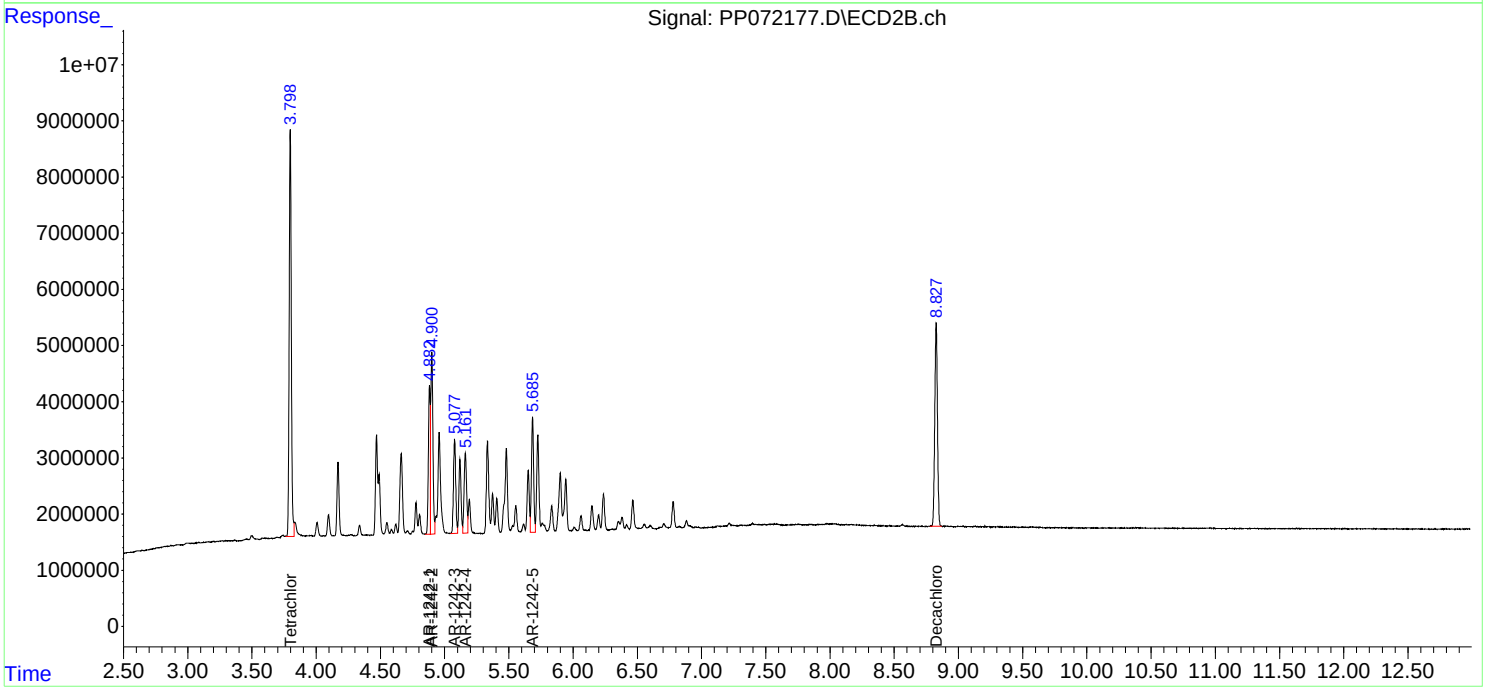
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

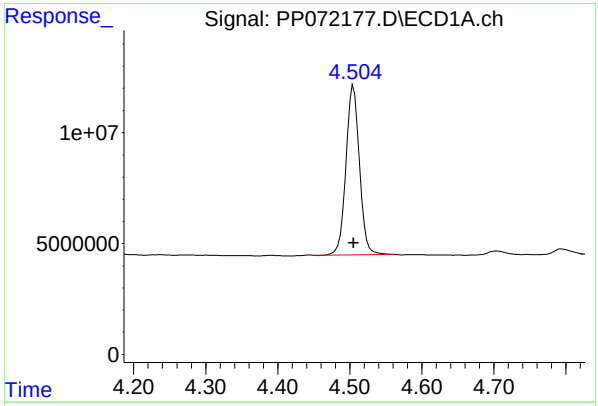
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:39:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



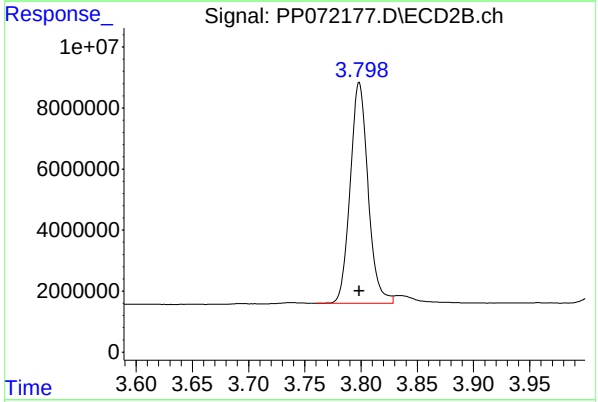






#1 Tetrachloro-m-xylene

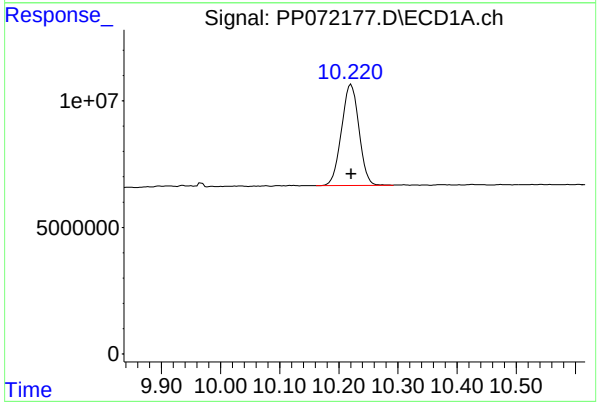
R.T.: 4.505 min
Delta R.T.: 0.000 min
Response: 99563757
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500



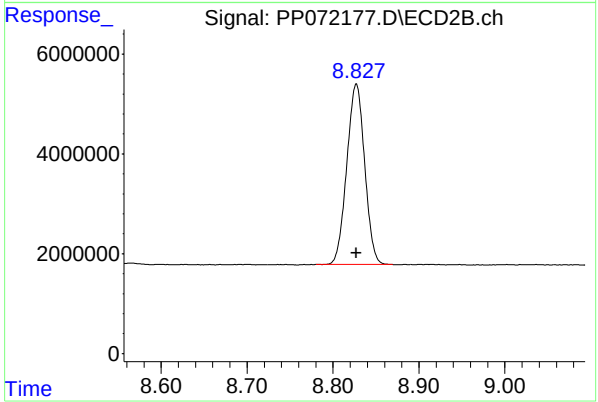

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 80047805
Conc: 50.00 ng/ml



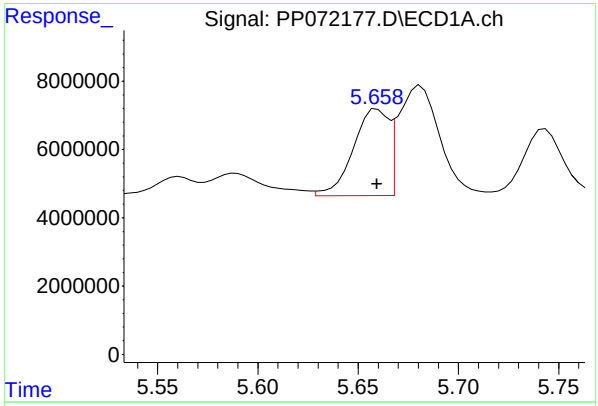

#2 Decachlorobiphenyl

R.T.: 10.221 min
Delta R.T.: 0.000 min
Response: 82298882
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

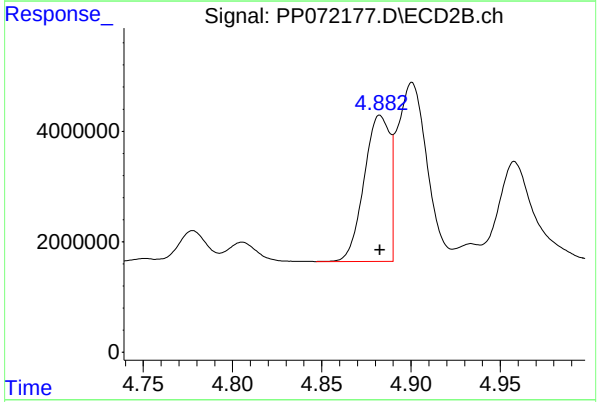
R.T.: 8.827 min
Delta R.T.: 0.000 min
Response: 52308236
Conc: 50.00 ng/ml




#16 AR-1242-1

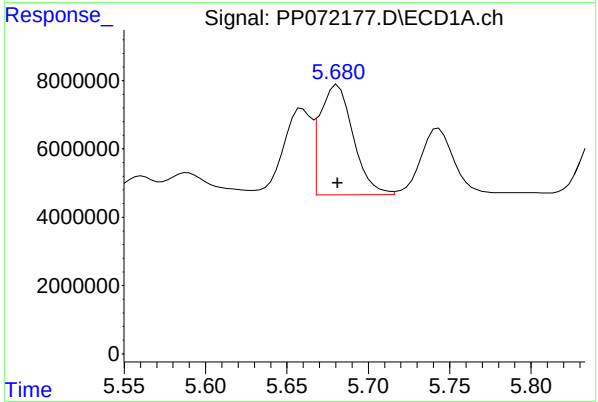
R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 31041680
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500



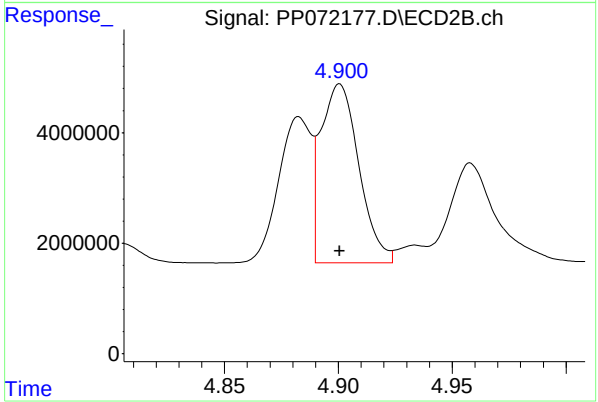

#16 AR-1242-1

R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 26421500
Conc: 500.00 ng/ml



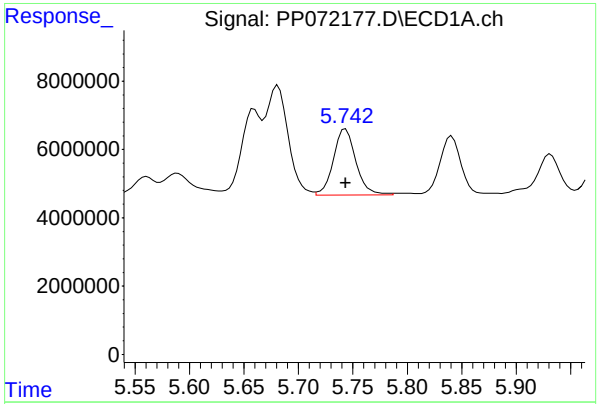

#17 AR-1242-2

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 45941667
Conc: 500.00 ng/ml




#17 AR-1242-2

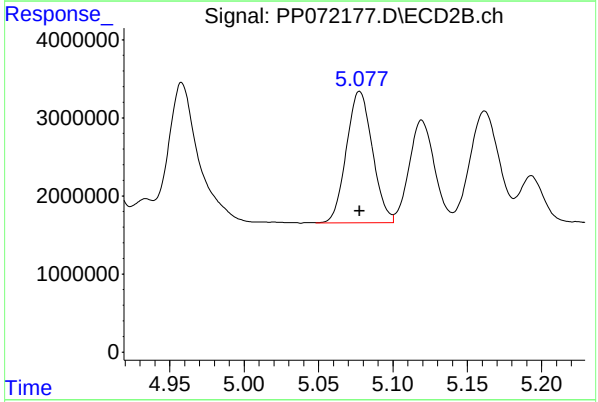
R.T.: 4.901 min
Delta R.T.: 0.000 min
Response: 37735643
Conc: 500.00 ng/ml




#18 AR-1242-3

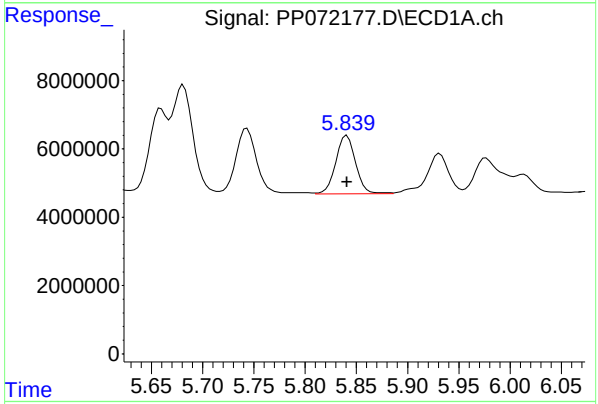
R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 27748086
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500



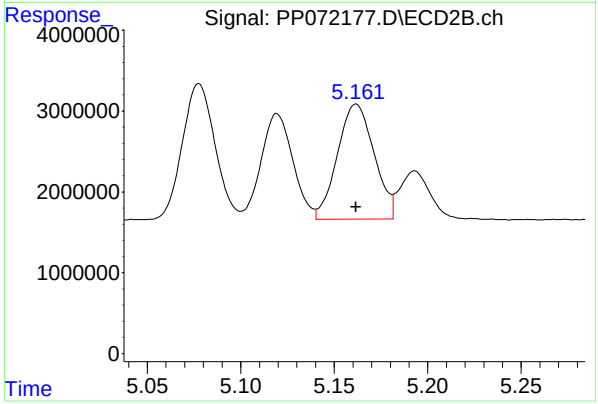

#18 AR-1242-3

R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 20532241
Conc: 500.00 ng/ml



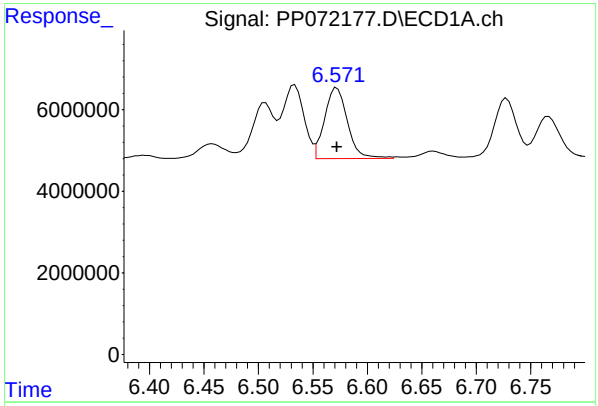

#19 AR-1242-4

R.T.: 5.841 min
Delta R.T.: 0.000 min
Response: 22974288
Conc: 500.00 ng/ml




#19 AR-1242-4

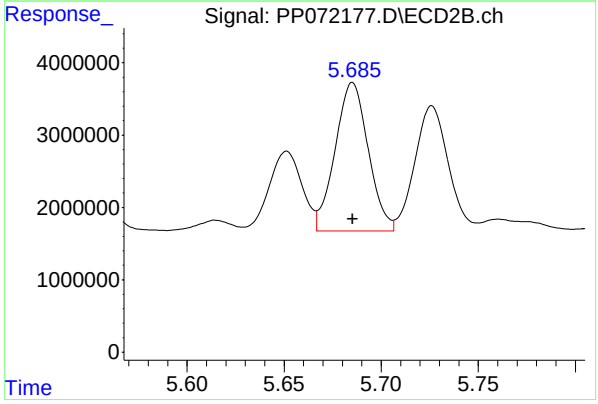
R.T.: 5.162 min
Delta R.T.: 0.000 min
Response: 19413228
Conc: 500.00 ng/ml




#20 AR-1242-5

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 25439777
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500




#20 AR-1242-5

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 24377285
Conc: 500.00 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.797 | 52867260 | 40596927 | 26.895 | 25.212 |
| 2) | SA Decachlor... | 10.214 | 8.825 | 43224831 | 29078092 | 26.730 | 27.360 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.654 | 4.881 | 16460967 | 14309390 | 272.688 | 277.708 |
| 17) | L4 AR-1242-2 | 5.675 | 4.899 | 24396194 | 20235141 | 272.269 | 275.819 |
| 18) | L4 AR-1242-3 | 5.738 | 5.076 | 14270237 | 11178619 | 263.948 | 281.311 |
| 19) | L4 AR-1242-4 | 5.836 | 5.161 | 11695459 | 10798164 | 264.351 | 286.007 |
| 20) | L4 AR-1242-5 | 6.566 | 5.684 | 13108900 | 13556747 | 262.192 | 283.361 |

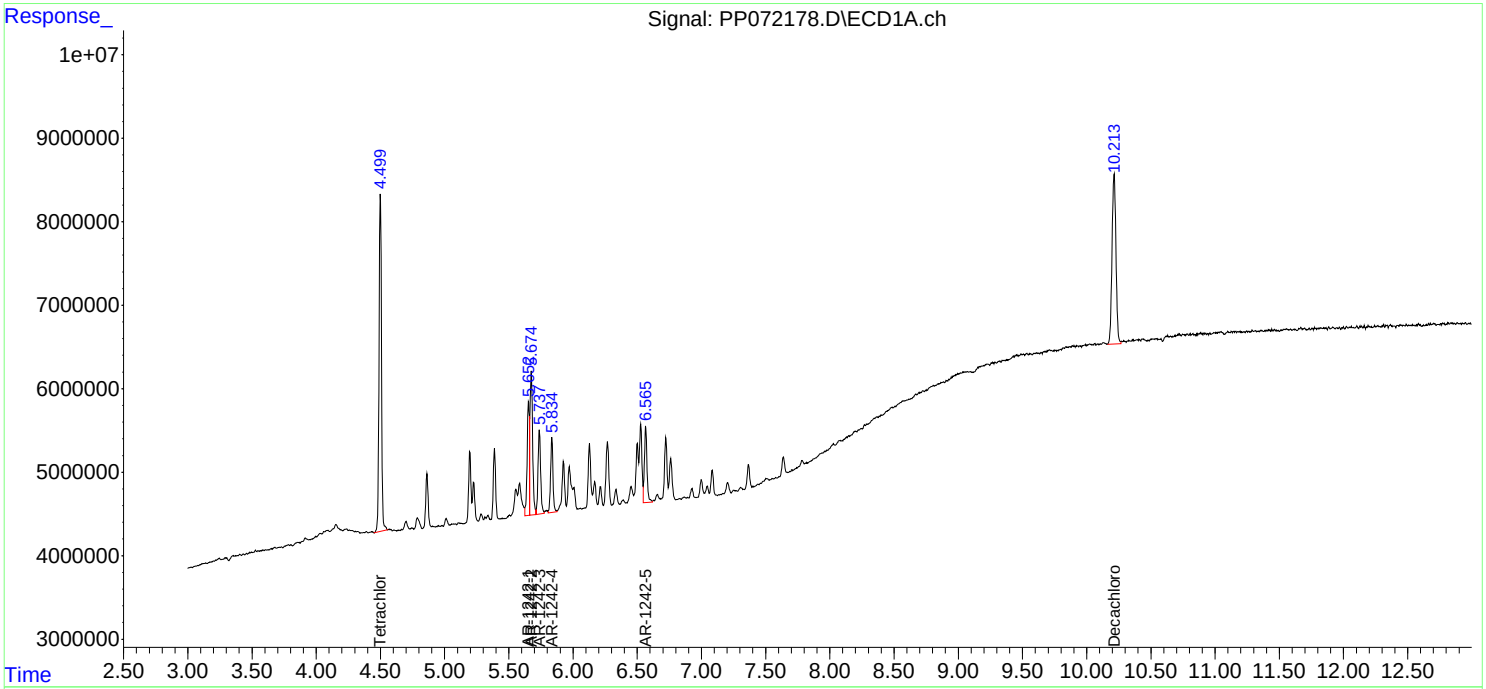
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

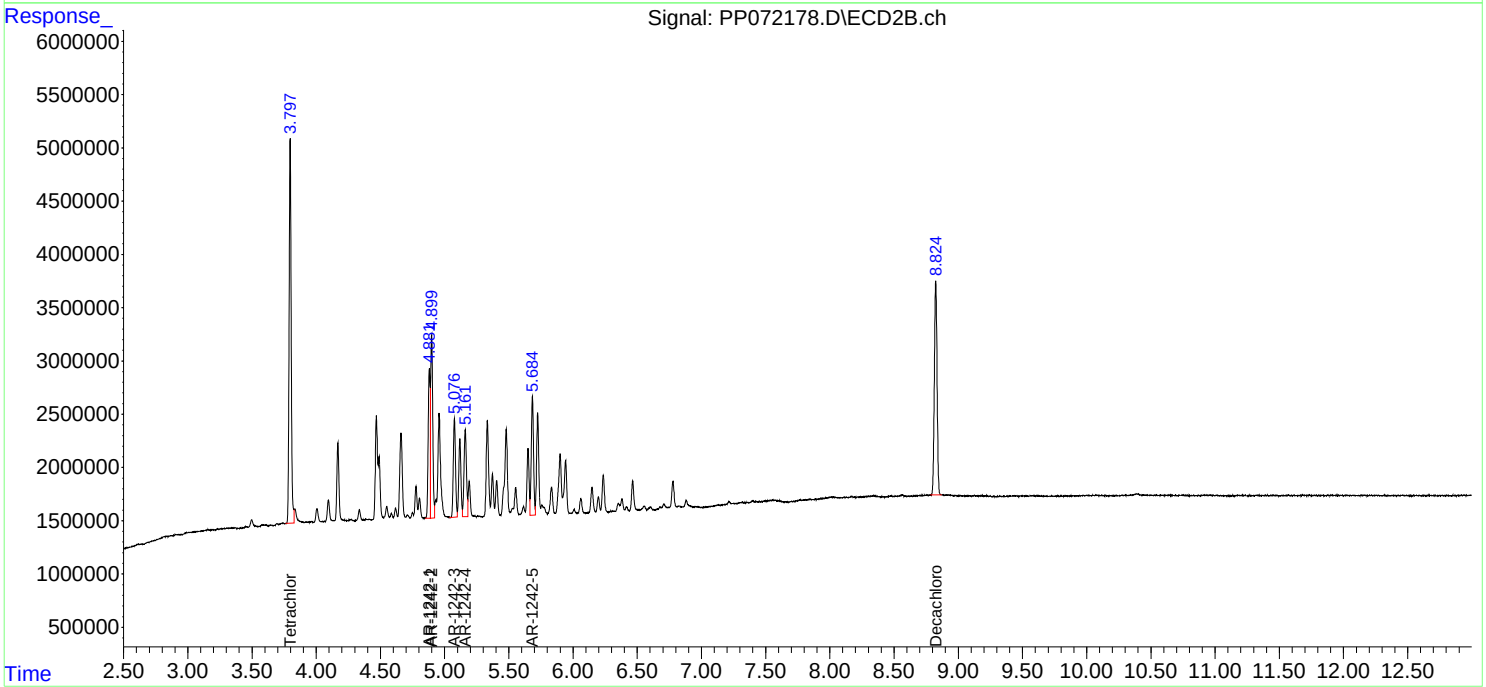
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

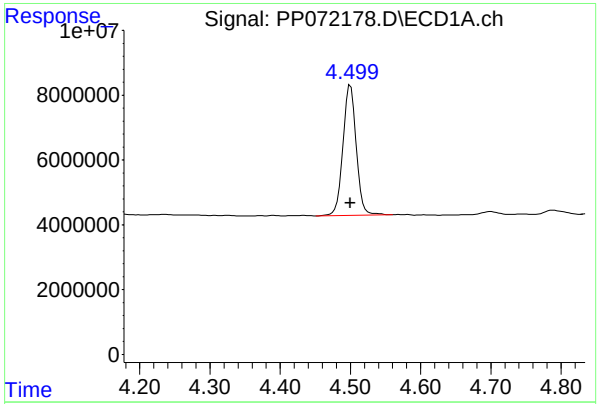
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



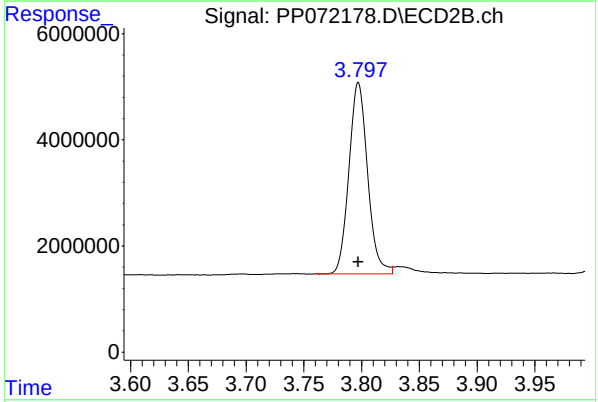






#1 Tetrachloro-m-xylene

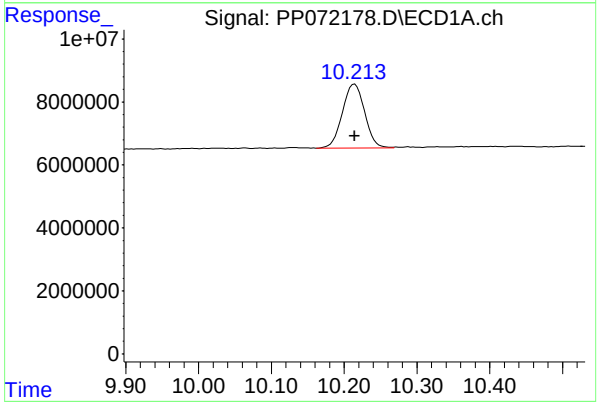
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 52867260
Conc: 26.90 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250



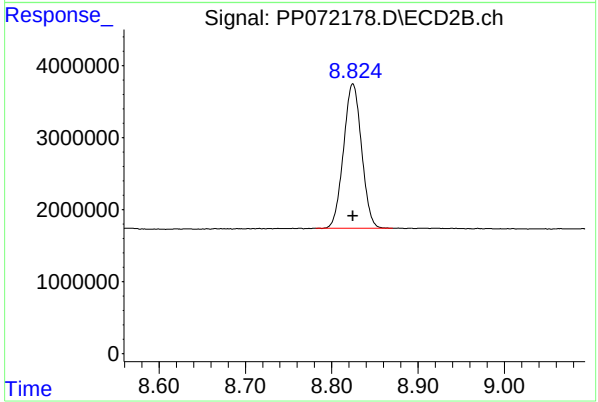

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 40596927
Conc: 25.21 ng/ml



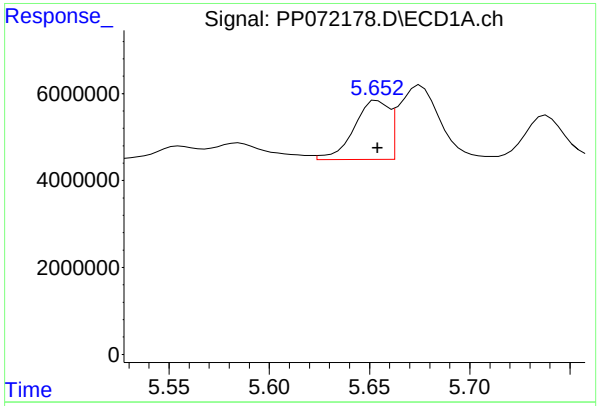

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 43224831
Conc: 26.73 ng/ml




#2 Decachlorobiphenyl

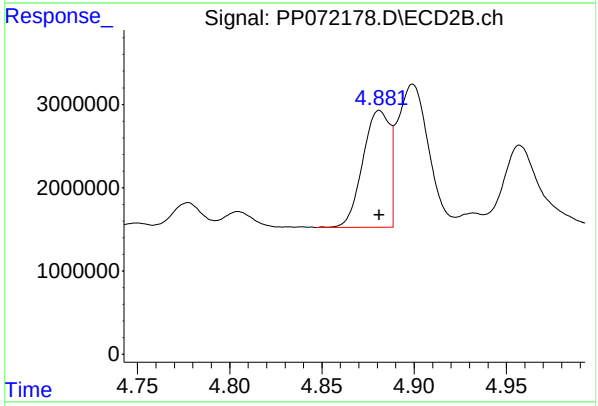
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 29078092
Conc: 27.36 ng/ml




#16 AR-1242-1

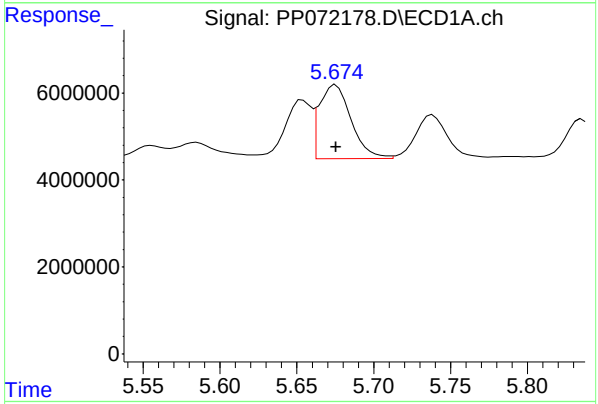
R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 16460967
Conc: 272.69 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250



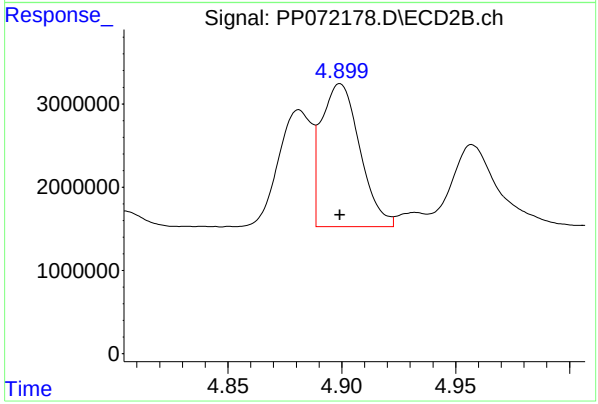

#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 14309390
Conc: 277.71 ng/ml



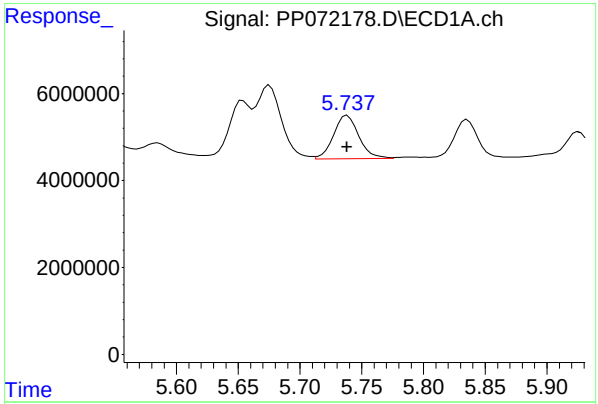

#17 AR-1242-2

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 24396194
Conc: 272.27 ng/ml




#17 AR-1242-2

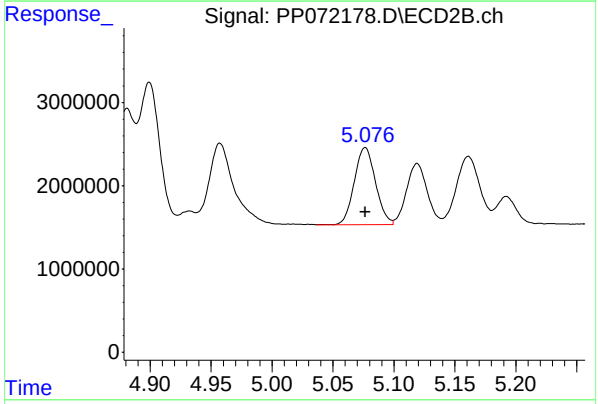
R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 20235141
Conc: 275.82 ng/ml




#18 AR-1242-3

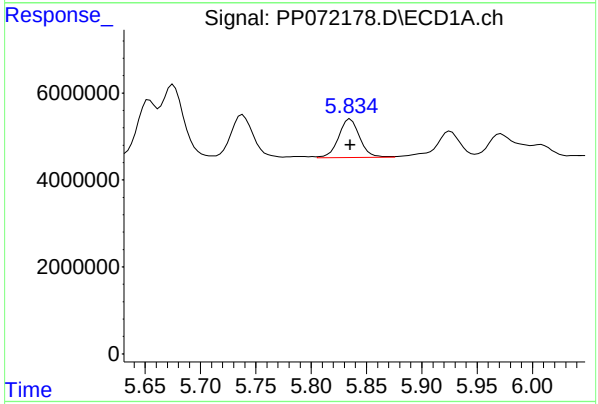
R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 14270237
Conc: 263.95 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250



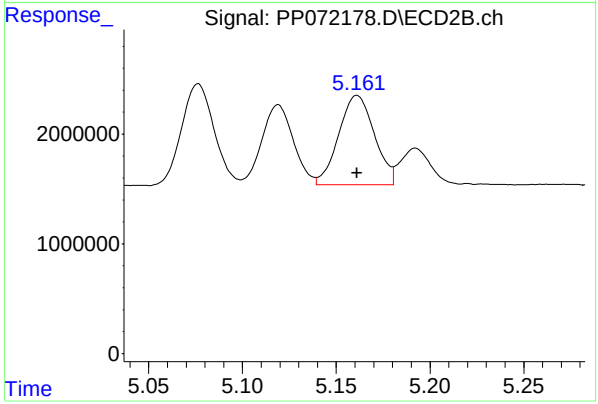

#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 11178619
Conc: 281.31 ng/ml



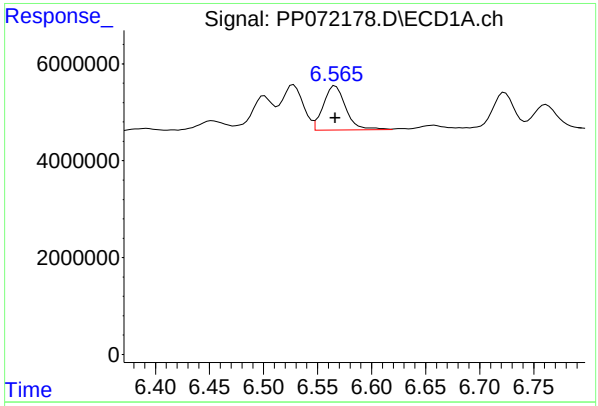

#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 11695459
Conc: 264.35 ng/ml




#19 AR-1242-4

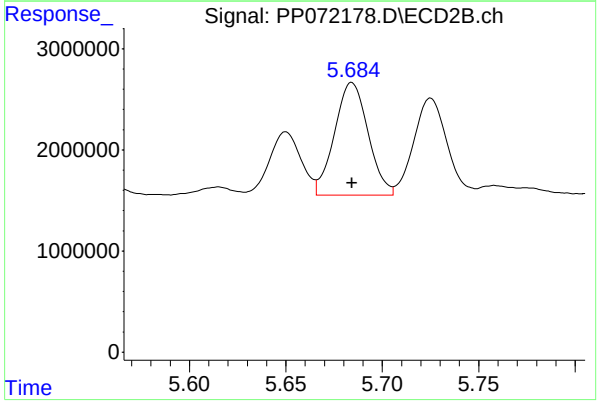
R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 10798164
Conc: 286.01 ng/ml




#20 AR-1242-5

R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 13108900
Conc: 262.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250




#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 13556747
Conc: 283.36 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.797 | 8565148 | 6886728 | 4.472 | 4.404 |
| 2) | SA Decachlor... | 10.216 | 8.824 | 7437092 | 5391472 | 4.674 | 5.058 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.654 | 4.882 | 3576242 | 2721766 | 56.040m | 52.233 |
| 17) | L4 AR-1242-2 | 5.677 | 4.900 | 3774327 | 3701307 | 42.861m | 50.361 |
| 18) | L4 AR-1242-3 | 5.740 | 5.076 | 2953563 | 1833864 | 53.891m | 46.871 |
| 19) | L4 AR-1242-4 | 5.836 | 5.161 | 2238823 | 1844717 | 51.018m | 49.084 |
| 20) | L4 AR-1242-5 | 6.568 | 5.683 | 2746740 | 2495867 | 53.225m | 52.475m |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

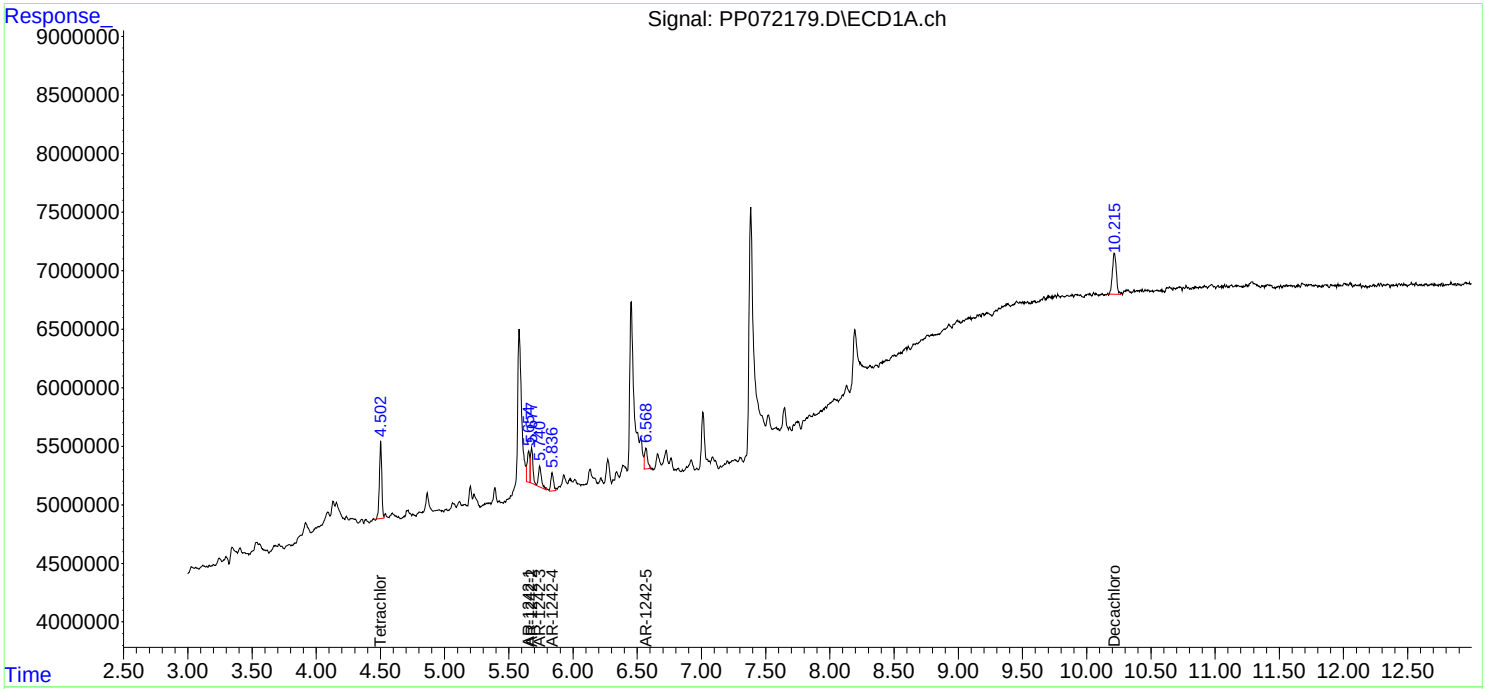
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

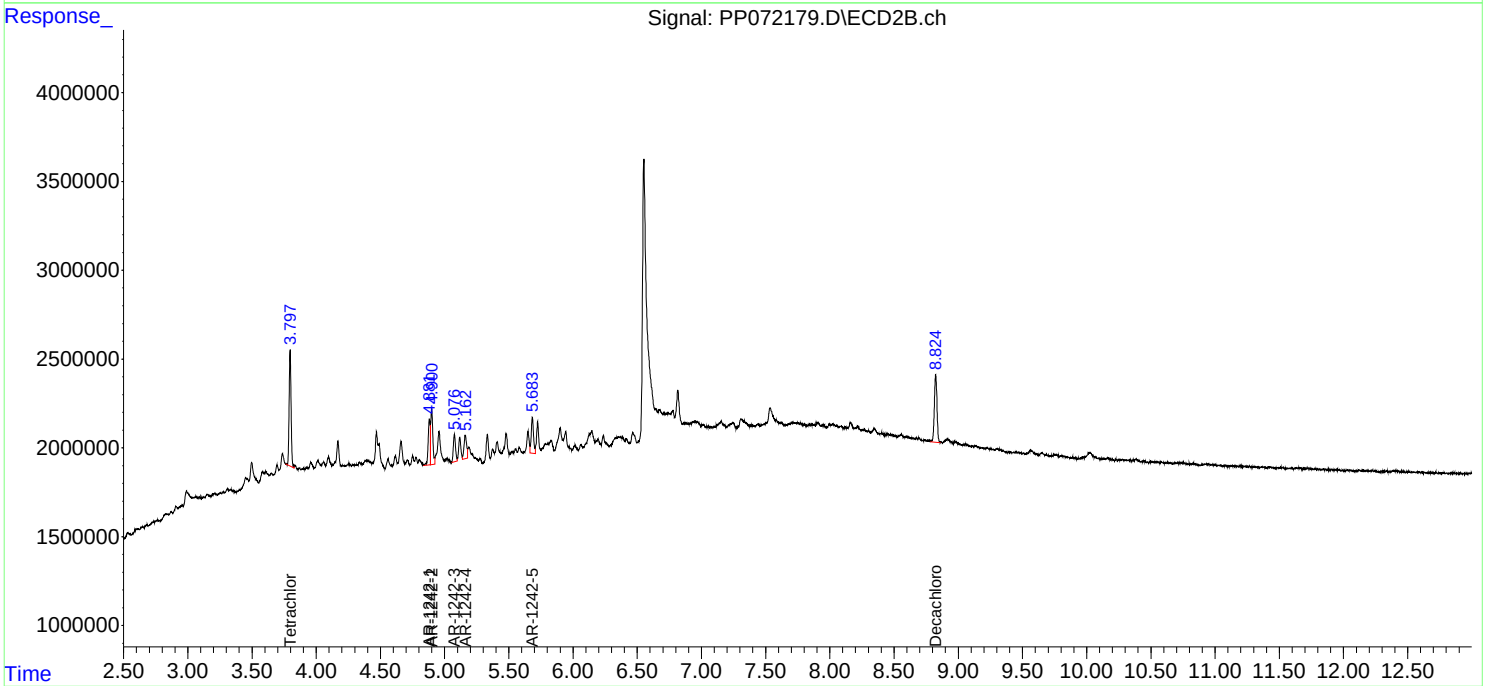
**Manual Integrations APPROVED**

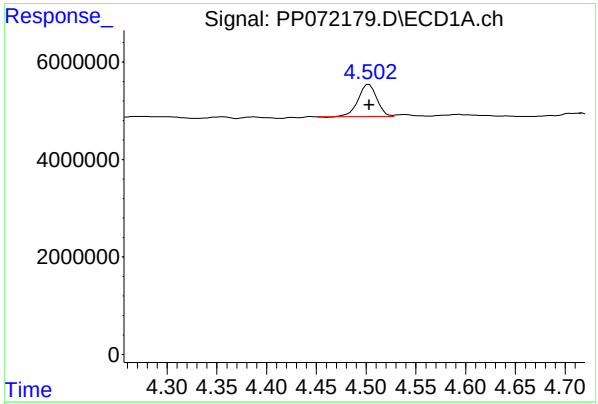
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





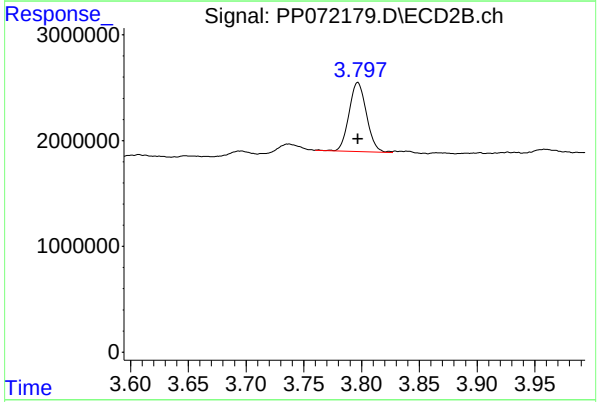

#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 8565148
Conc: 4.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

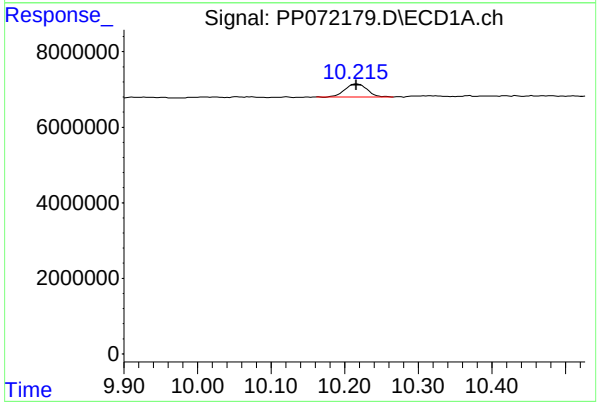
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



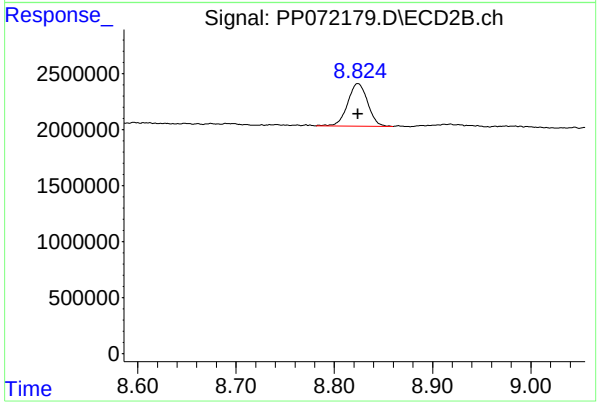

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 6886728
Conc: 4.40 ng/ml



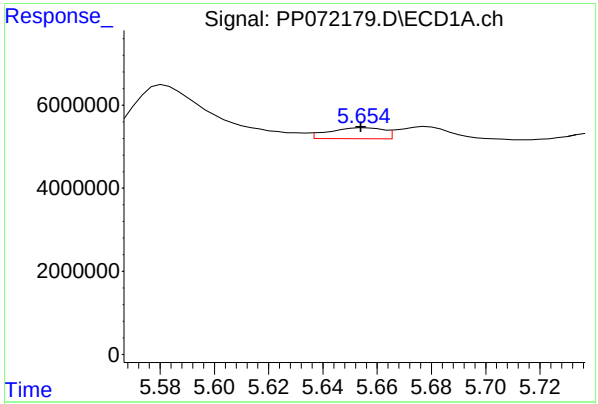

#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.000 min
Response: 7437092
Conc: 4.67 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5391472
Conc: 5.06 ng/ml



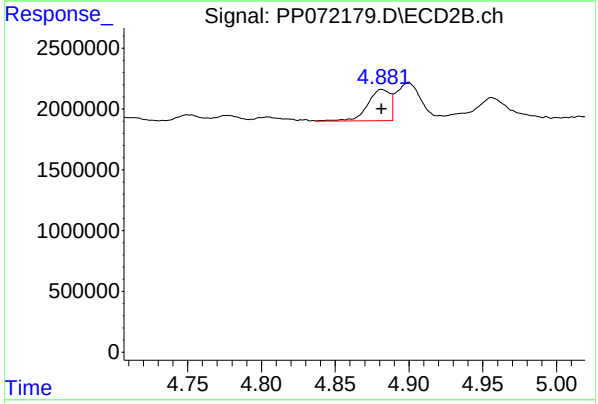

#16 AR-1242-1

R.T.: 5.654 min
Delta R.T.: 0.000 mi
Response: 3576242
Conc: 56.04 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

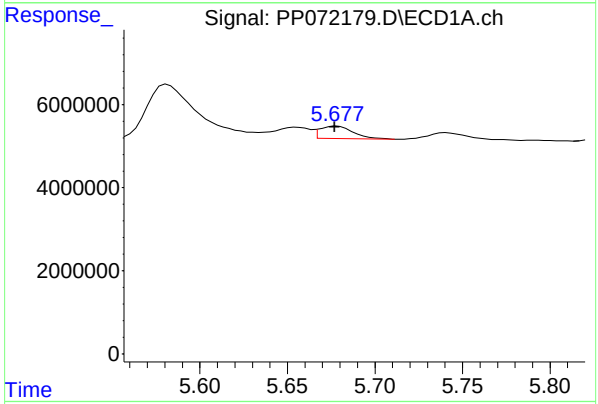
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



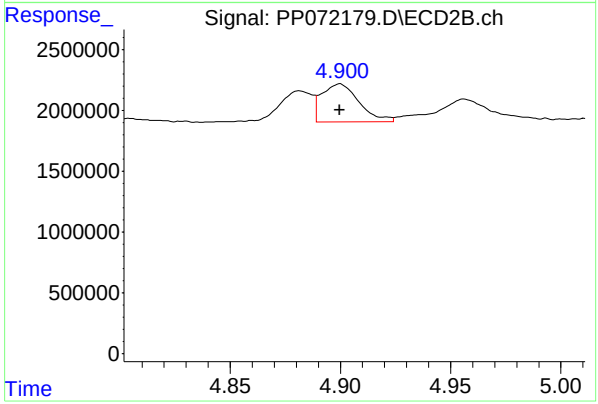

#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 2721766
Conc: 52.23 ng/ml



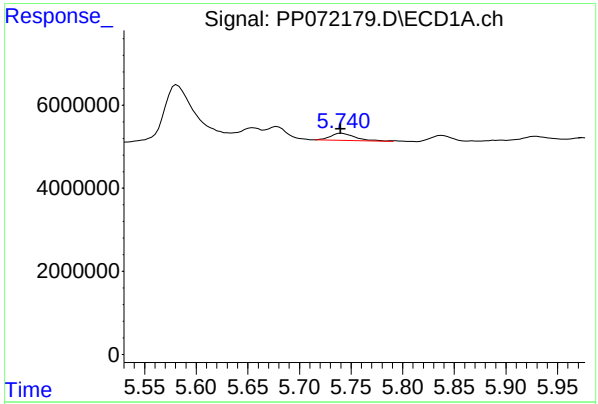

#17 AR-1242-2

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 3774327
Conc: 42.86 ng/ml m




#17 AR-1242-2

R.T.: 4.900 min
Delta R.T.: 0.000 min
Response: 3701307
Conc: 50.36 ng/ml



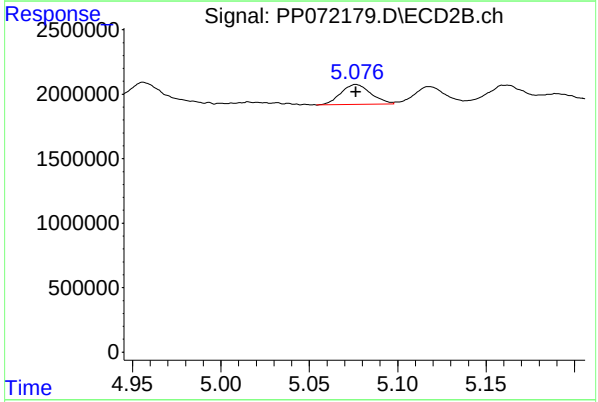

#18 AR-1242-3

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 2953563
Conc: 53.89 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

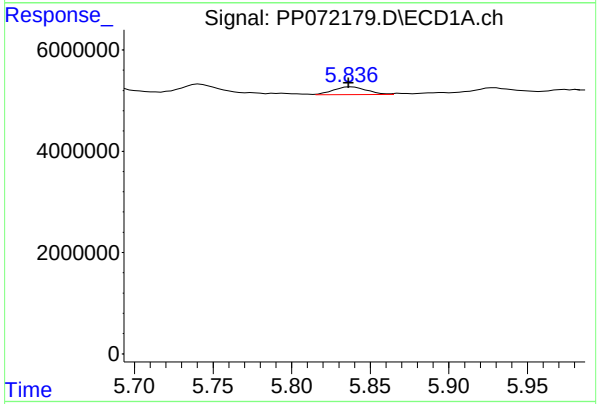
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



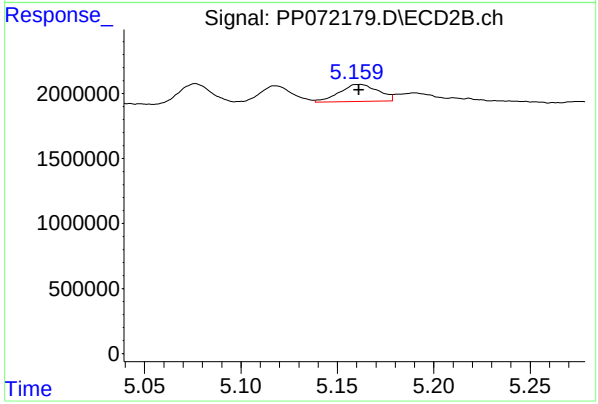

#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 1833864
Conc: 46.87 ng/ml



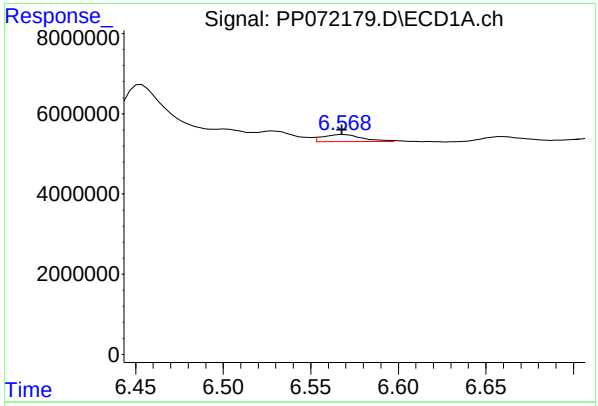

#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 2238823
Conc: 51.02 ng/ml m




#19 AR-1242-4

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1844717
Conc: 49.08 ng/ml



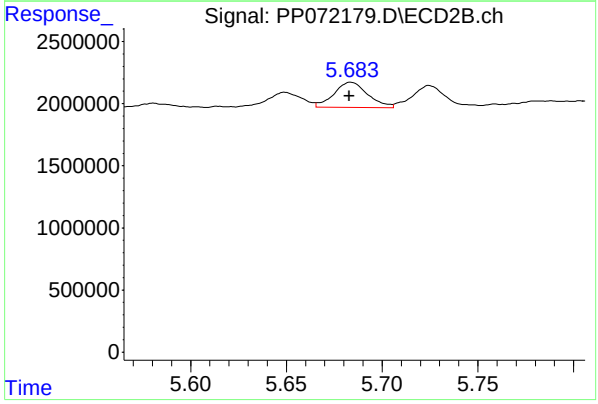

#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 mi
Response: 2746740
Conc: 53.22 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025




#20 AR-1242-5

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 2495867
Conc: 52.48 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:04
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.506 | 3.798 | 188.0E6 | 158.5E6 | 97.146 | 96.913 |
| 2) | SA Decachlor... | 10.219 | 8.825 | 157.3E6 | 107.8E6 | 97.225 | 97.659 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.659 | 4.881 | 44038397 | 38942472 | 957.866 | 950.706 |
| 22) | L5 AR-1248-2 | 5.931 | 5.118 | 56984732 | 50685144 | 964.616 | 951.833 |
| 23) | L5 AR-1248-3 | 6.134 | 5.161 | 64677132 | 53612101 | 969.345 | 958.095 |
| 24) | L5 AR-1248-4 | 6.533 | 5.333 | 81606824 | 63542852 | 959.973 | 960.283 |
| 25) | L5 AR-1248-5 | 6.572 | 5.725 | 77587697 | 63751699 | 965.027 | 958.723 |

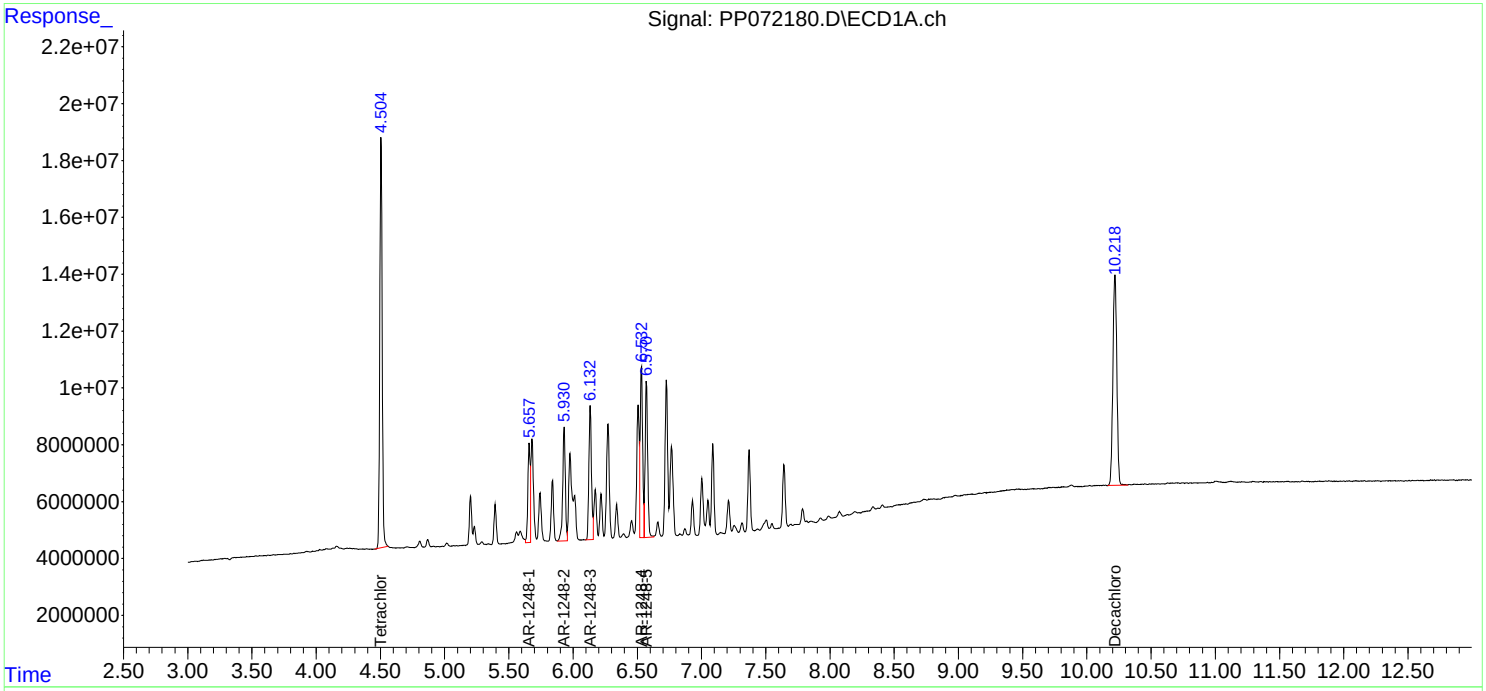
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

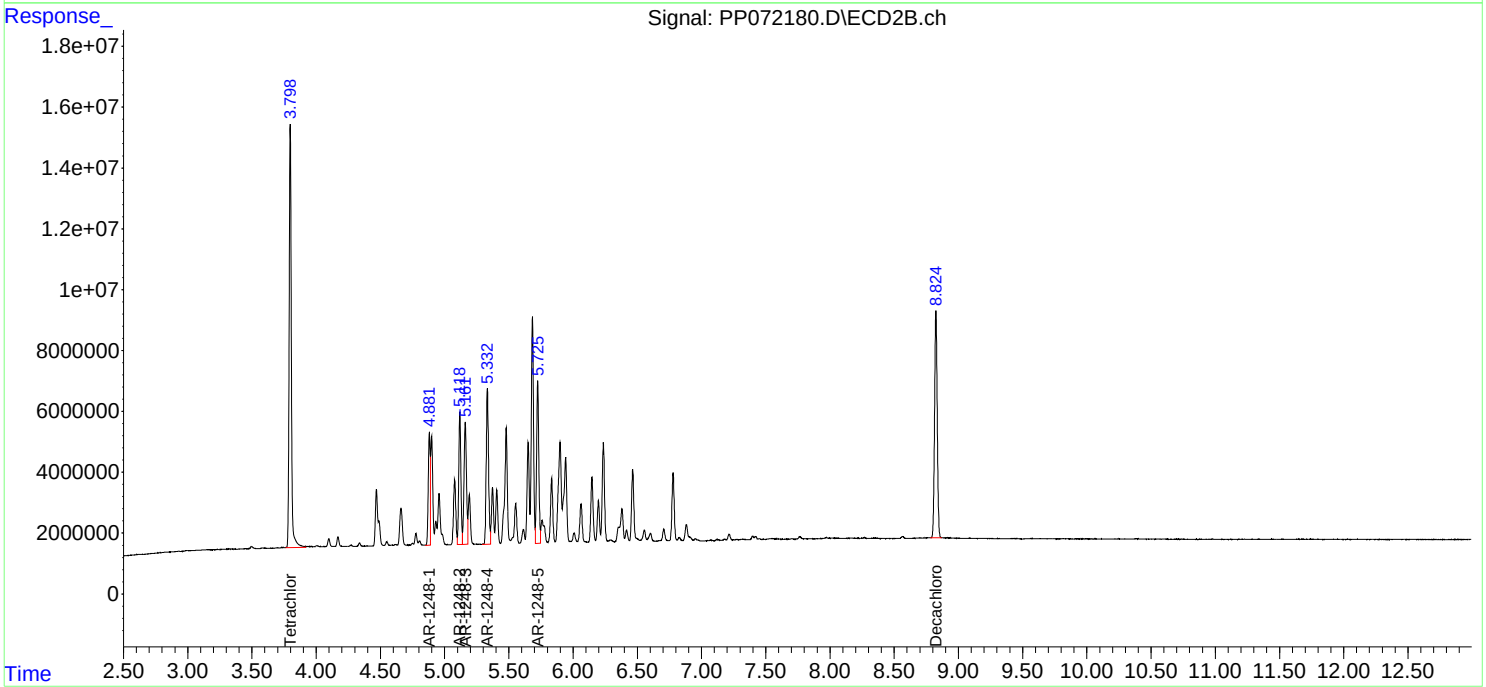
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:04
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

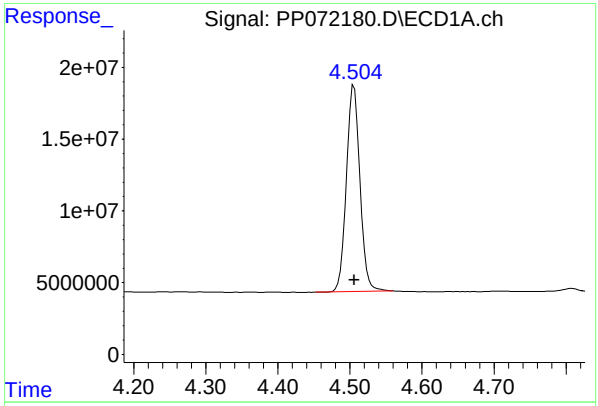
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



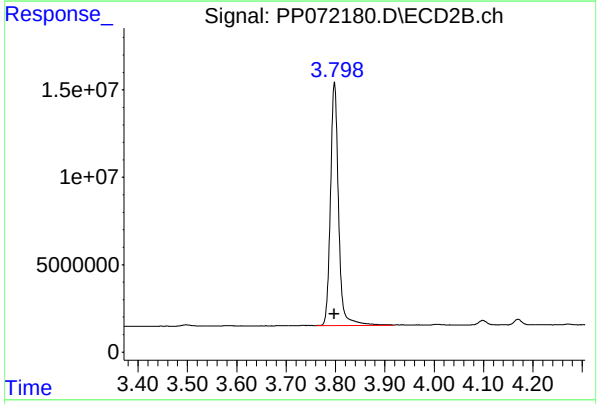






#1 Tetrachloro-m-xylene

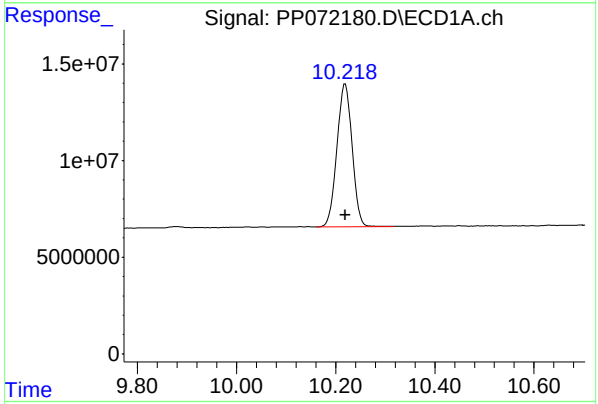
R.T.: 4.506 min
Delta R.T.: 0.000 min
Response: 188024037
Conc: 97.15 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000



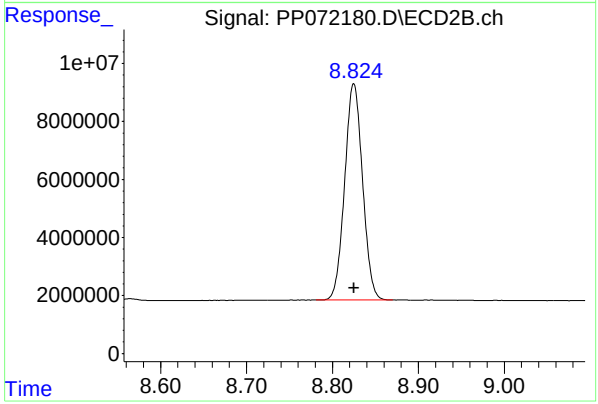

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 158537029
Conc: 96.91 ng/ml



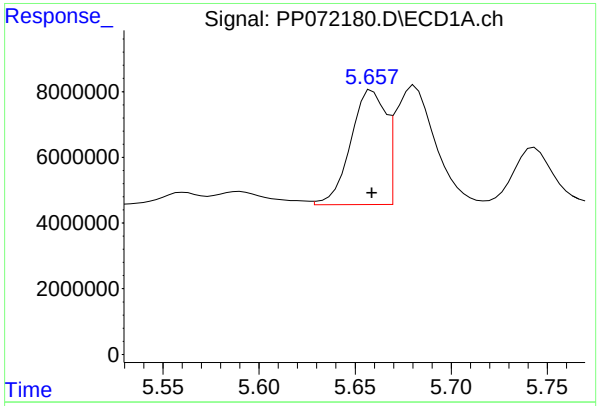

#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 157336830
Conc: 97.22 ng/ml




#2 Decachlorobiphenyl

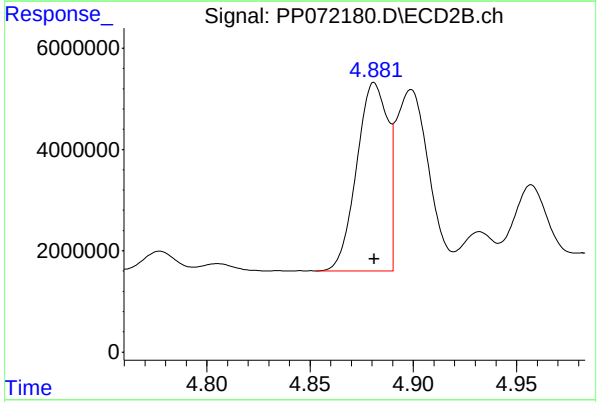
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 107793046
Conc: 97.66 ng/ml




#21 AR-1248-1

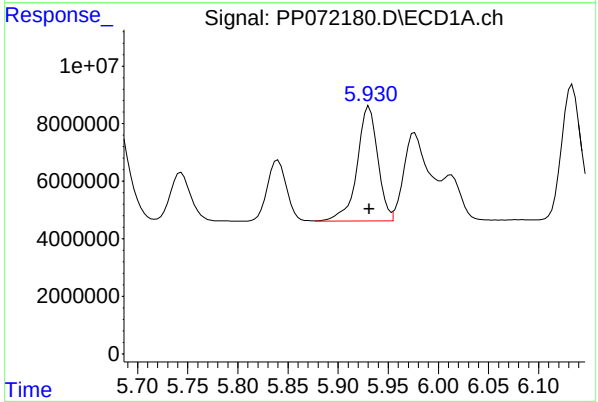
R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 44038397
Conc: 957.87 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000



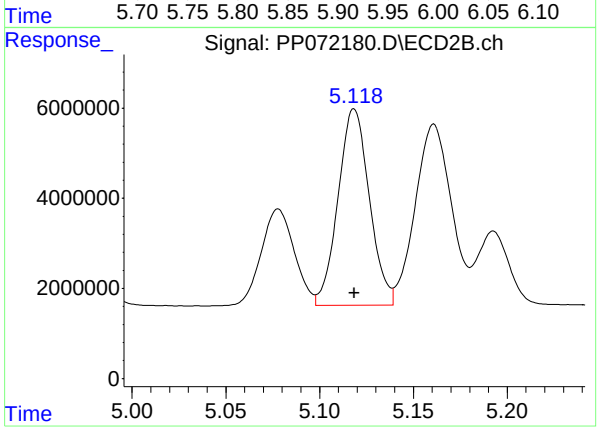

#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 38942472
Conc: 950.71 ng/ml



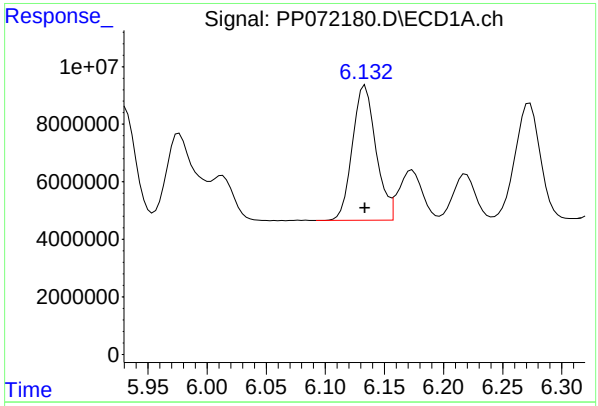

#22 AR-1248-2

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 56984732
Conc: 964.62 ng/ml




#22 AR-1248-2

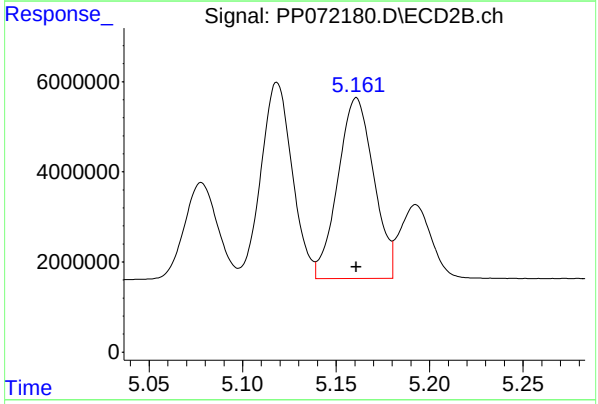
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 50685144
Conc: 951.83 ng/ml




#23 AR-1248-3

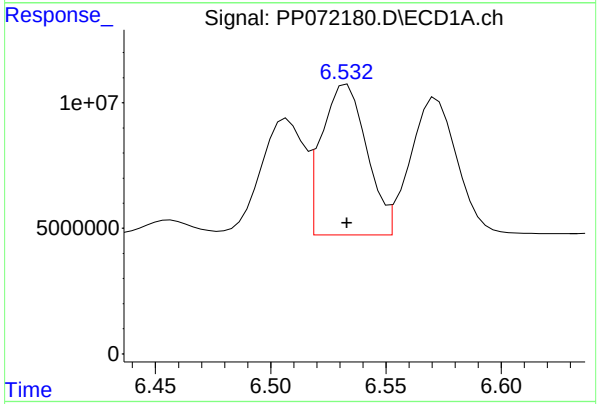
R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 64677132
Conc: 969.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000



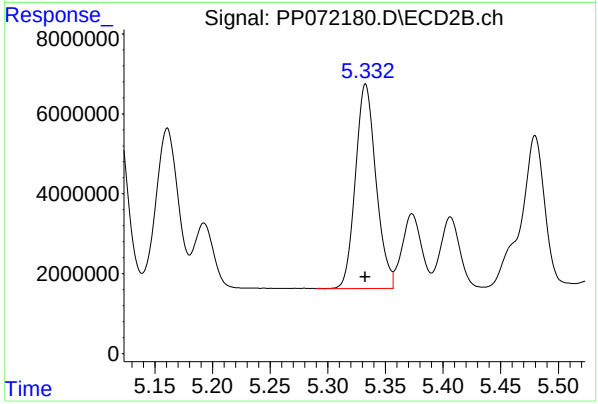

#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 53612101
Conc: 958.09 ng/ml



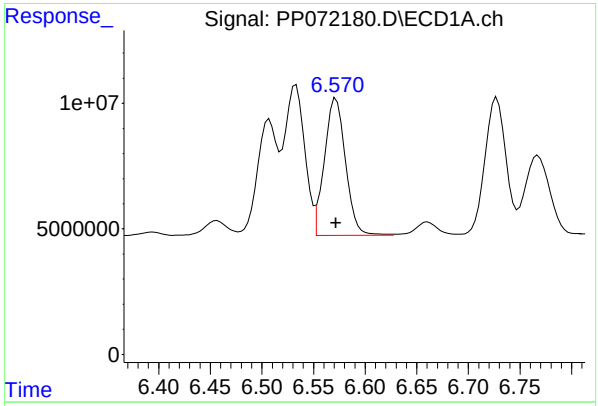

#24 AR-1248-4

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 81606824
Conc: 959.97 ng/ml




#24 AR-1248-4

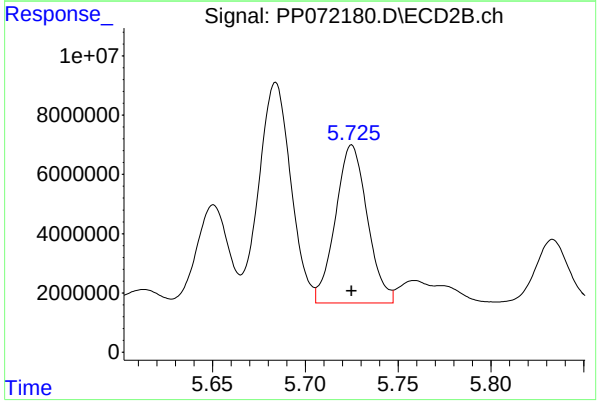
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 63542852
Conc: 960.28 ng/ml




#25 AR-1248-5

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 77587697
Conc: 965.03 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000




#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 63751699
Conc: 958.72 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:20
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.799 | 143.2E6 | 115.8E6 | 74.323 | 72.143 |
| 2) | SA Decachlor... | 10.214 | 8.826 | 119.9E6 | 80014834 | 74.410 | 73.309 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.655 | 4.882 | 35604324 | 28560624 | 766.105 | 713.991 |
| 22) | L5 AR-1248-2 | 5.927 | 5.119 | 44550644 | 37039968 | 752.752 | 712.825 |
| 23) | L5 AR-1248-3 | 6.130 | 5.161 | 49360311 | 38952854 | 743.159 | 713.200 |
| 24) | L5 AR-1248-4 | 6.529 | 5.333 | 63978321 | 45811338 | 751.733 | 710.534 |
| 25) | L5 AR-1248-5 | 6.568 | 5.726 | 60752796 | 46780519 | 753.748 | 718.348 |

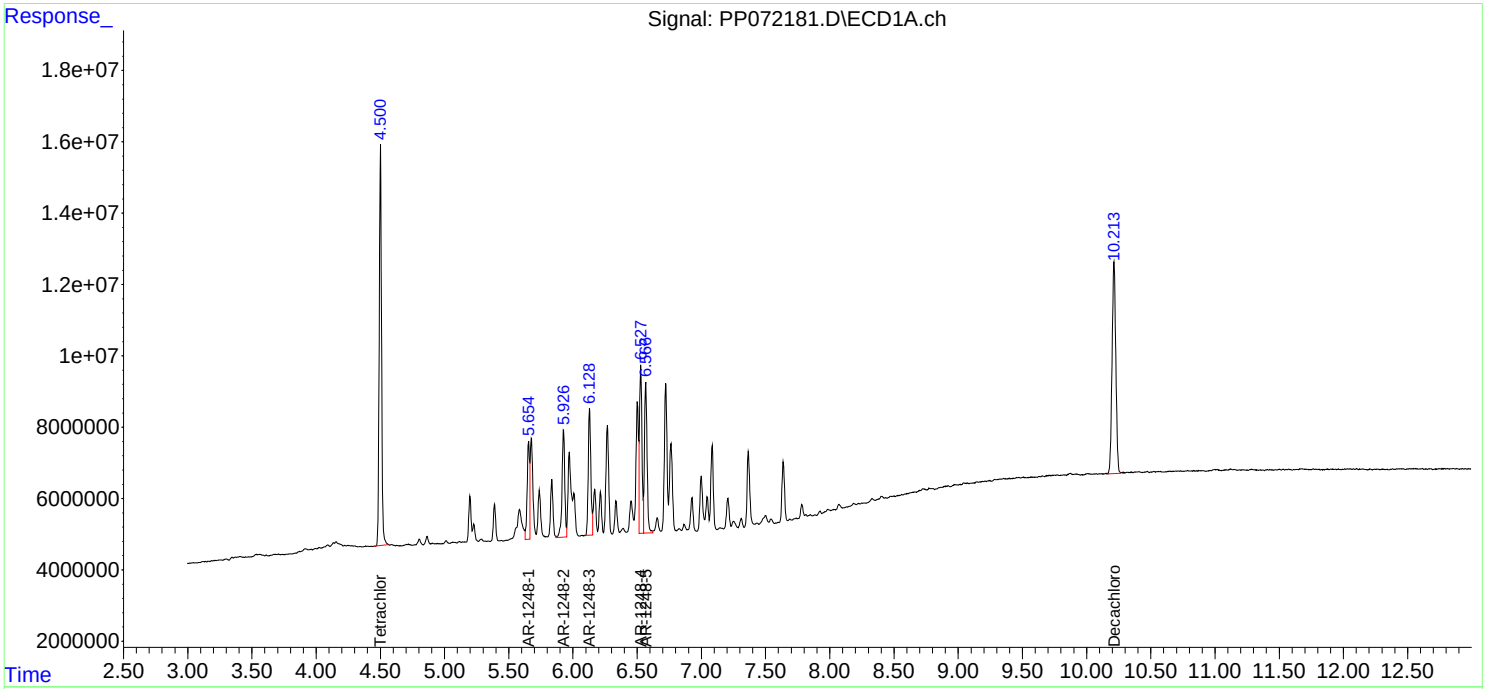
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

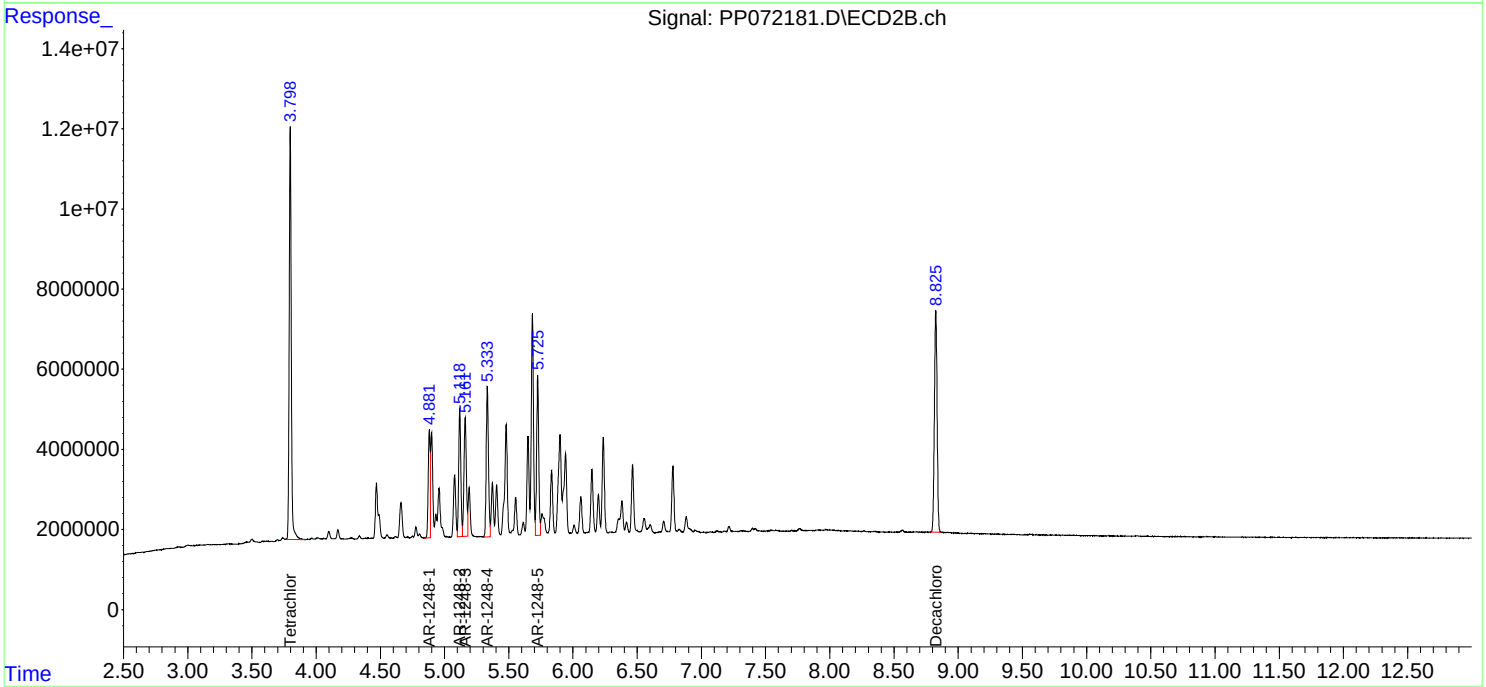
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:20
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

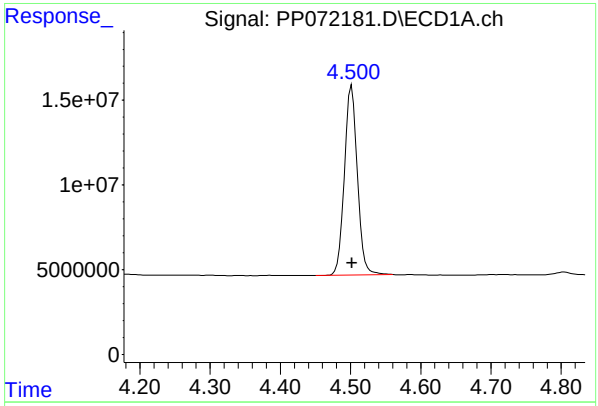
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



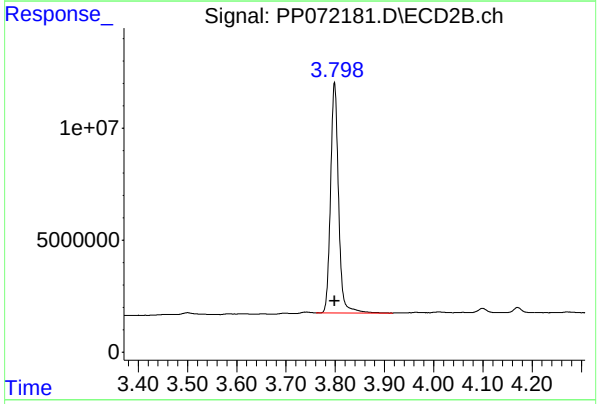






#1 Tetrachloro-m-xylene

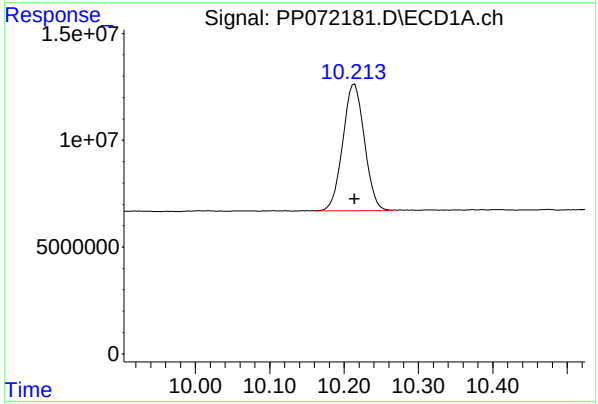
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 143203772
Conc: 74.32 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750



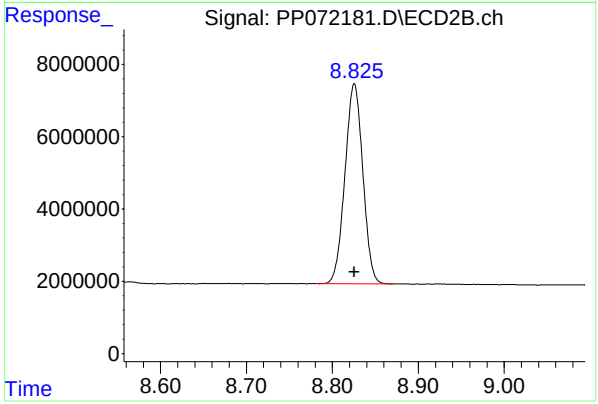

#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 115811234
Conc: 72.14 ng/ml



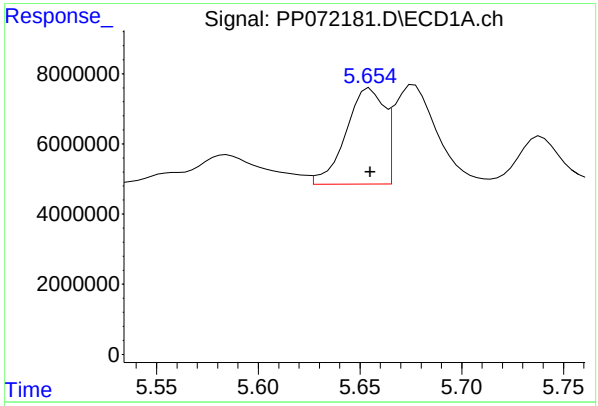

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 119945202
Conc: 74.41 ng/ml




#2 Decachlorobiphenyl

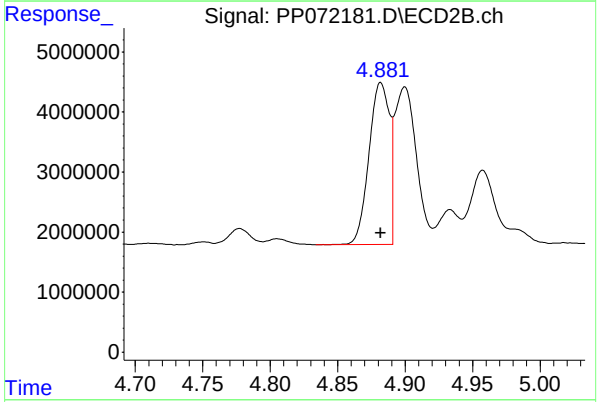
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 80014834
Conc: 73.31 ng/ml




#21 AR-1248-1

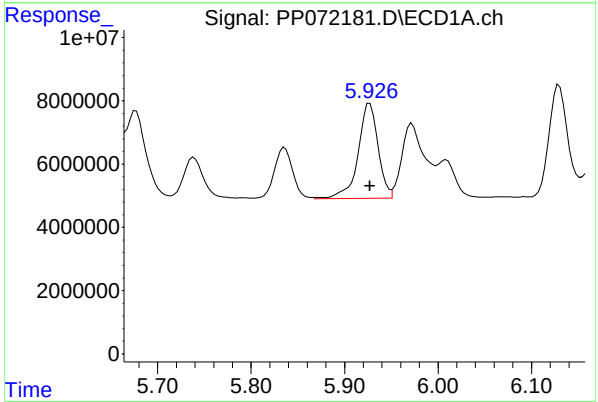
R.T.: 5.655 min
Delta R.T.: 0.000 min
Response: 35604324
Conc: 766.10 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750



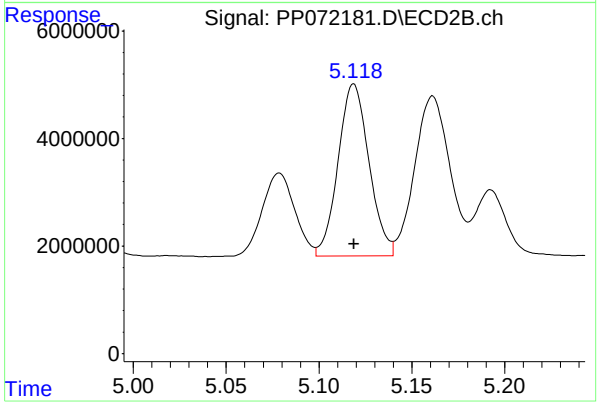

#21 AR-1248-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 28560624
Conc: 713.99 ng/ml



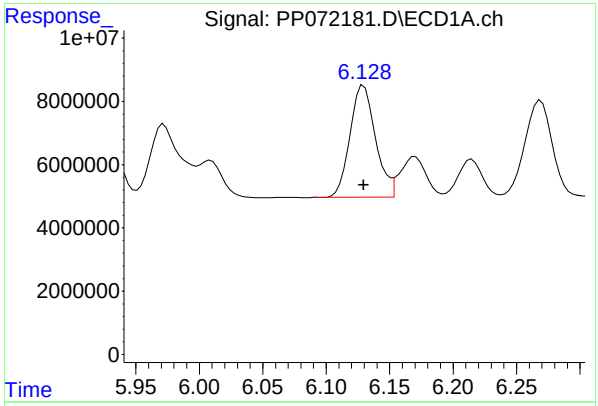

#22 AR-1248-2

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 44550644
Conc: 752.75 ng/ml




#22 AR-1248-2

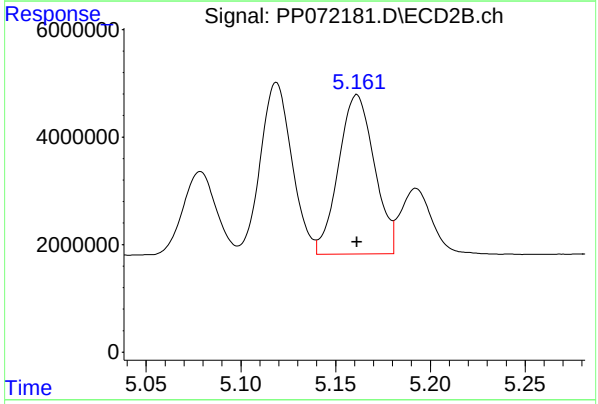
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 37039968
Conc: 712.82 ng/ml




#23 AR-1248-3

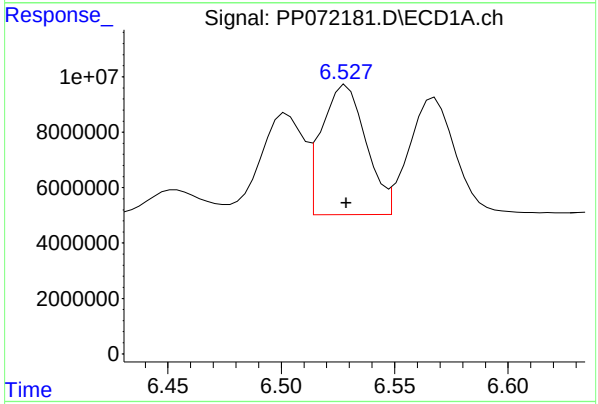
R.T.: 6.130 min
Delta R.T.: 0.000 min
Response: 49360311
Conc: 743.16 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750



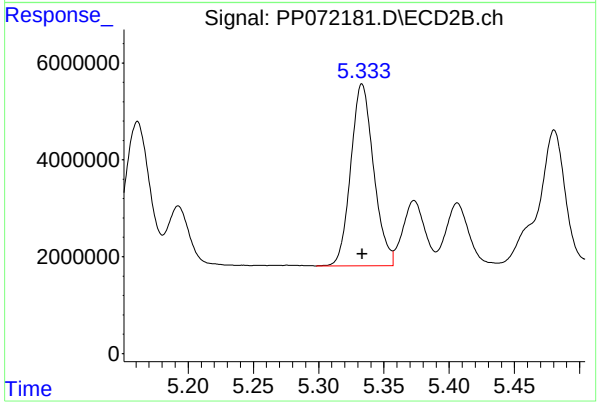

#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 38952854
Conc: 713.20 ng/ml



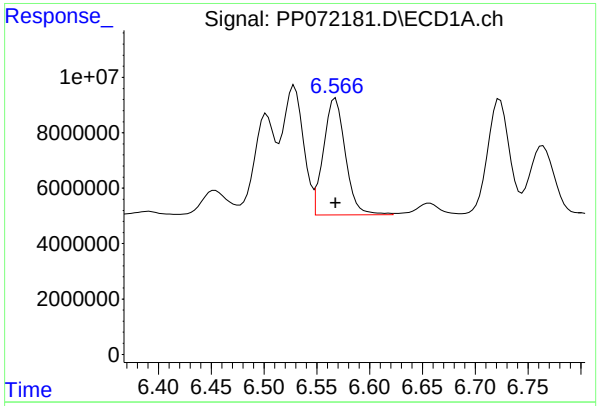

#24 AR-1248-4

R.T.: 6.529 min
Delta R.T.: 0.000 min
Response: 63978321
Conc: 751.73 ng/ml




#24 AR-1248-4

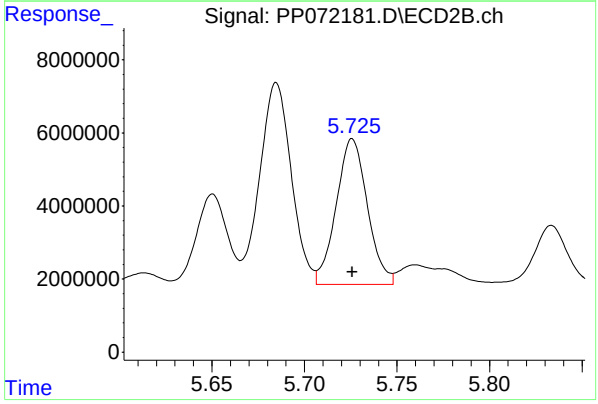
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 45811338
Conc: 710.53 ng/ml




#25 AR-1248-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 60752796
Conc: 753.75 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750




#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 46780519
Conc: 718.35 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:37
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:56:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.798 | 99535493 | 84317976 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.215 | 8.825 | 83159844 | 56480842 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.656 | 4.881 | 23956323 | 21490405 | 500.000 | 500.000 |
| 22) | L5 AR-1248-2 | 5.928 | 5.119 | 30582698 | 27907479 | 500.000 | 500.000 |
| 23) | L5 AR-1248-3 | 6.131 | 5.161 | 34383966 | 29150937 | 500.000 | 500.000 |
| 24) | L5 AR-1248-4 | 6.530 | 5.333 | 44206090 | 34399526 | 500.000 | 500.000 |
| 25) | L5 AR-1248-5 | 6.569 | 5.726 | 41605620 | 34620634 | 500.000 | 500.000 |

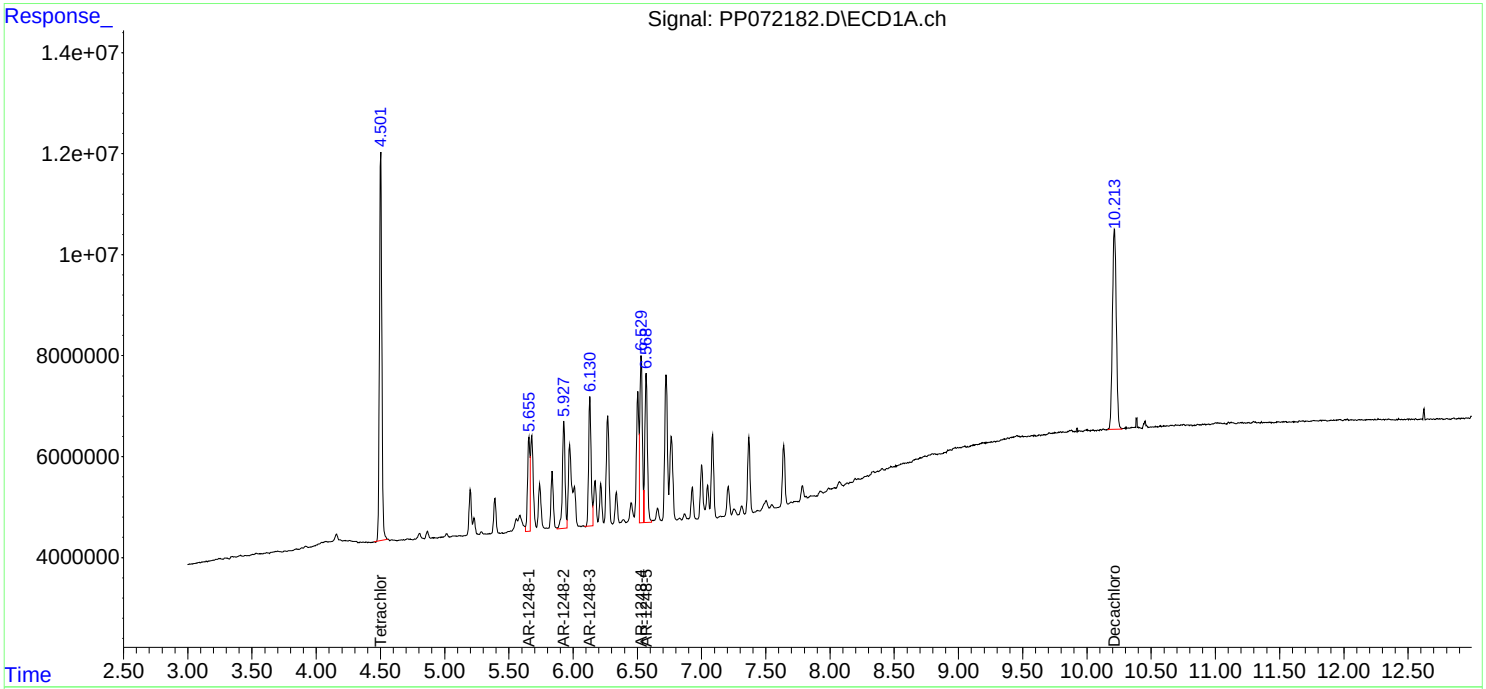
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

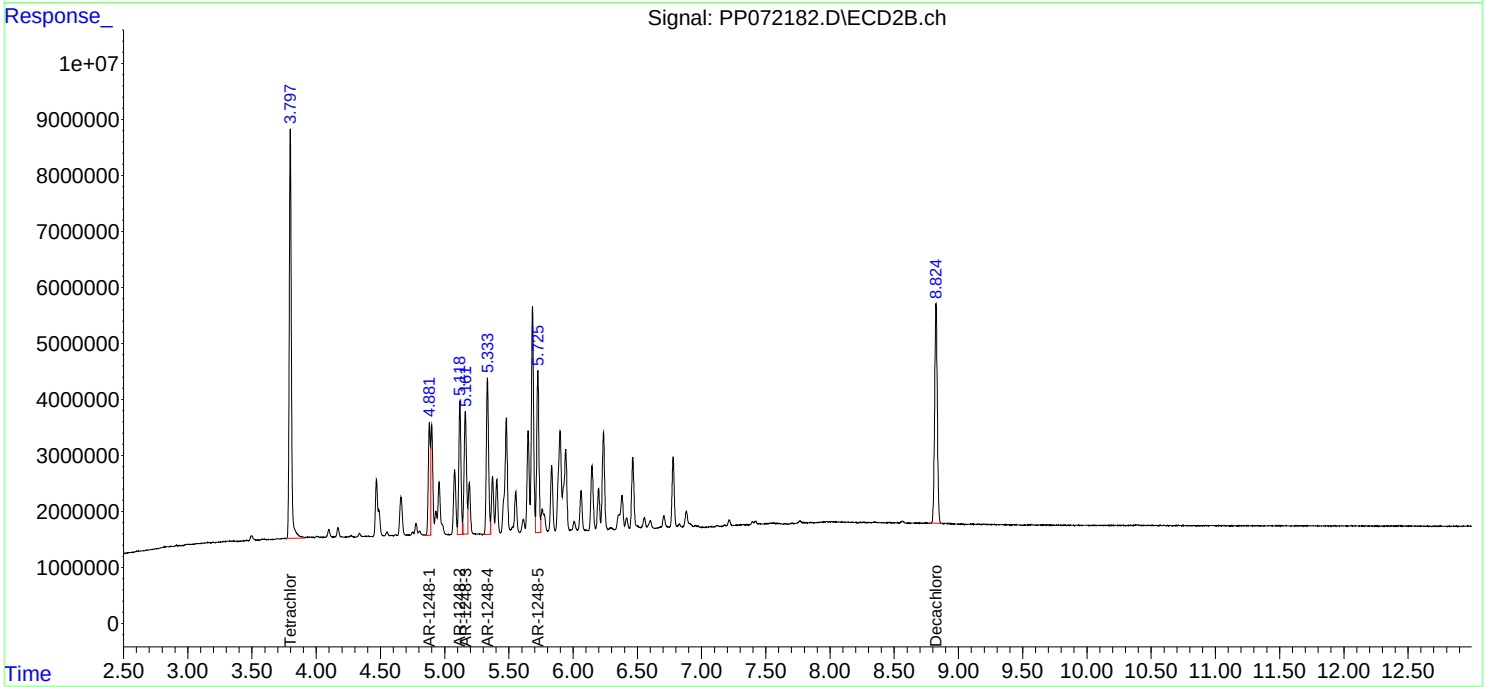
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:37
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

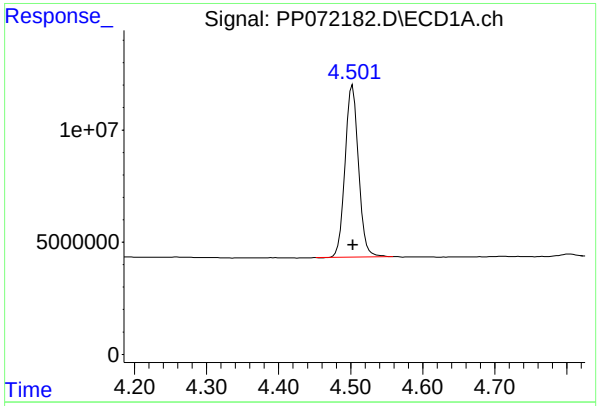
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:56:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



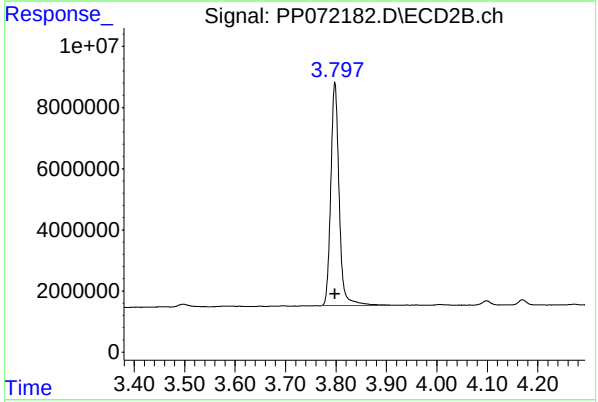






#1 Tetrachloro-m-xylene

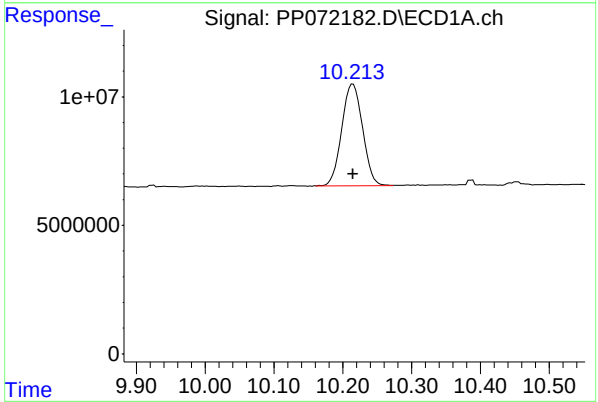
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 99535493
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500



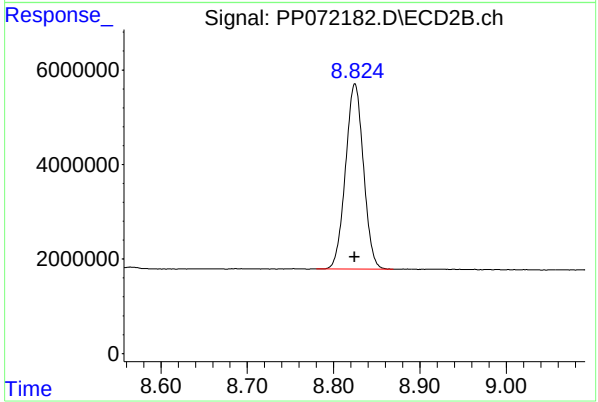

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 84317976
Conc: 50.00 ng/ml



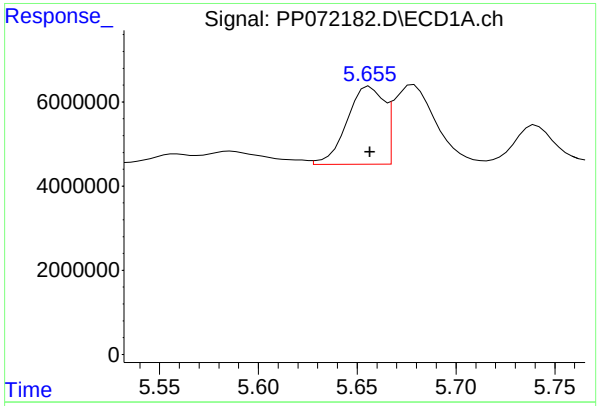

#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 83159844
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

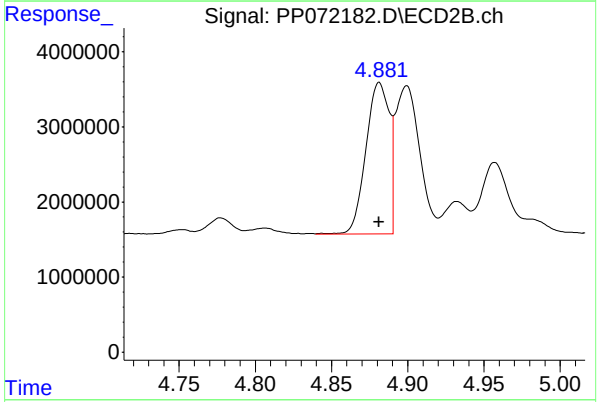
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 56480842
Conc: 50.00 ng/ml




#21 AR-1248-1

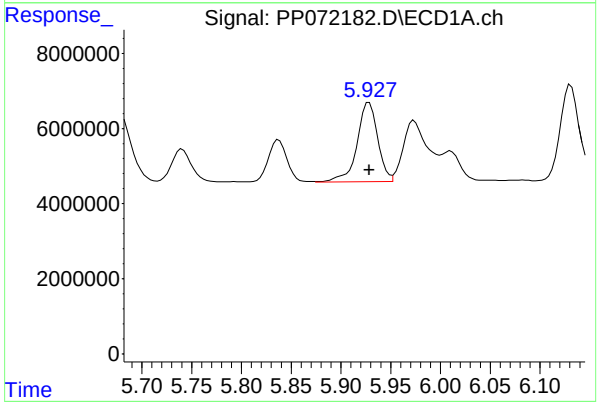
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 23956323
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500



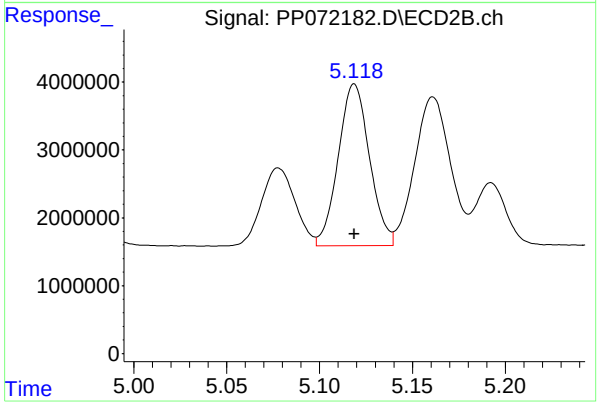

#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 21490405
Conc: 500.00 ng/ml



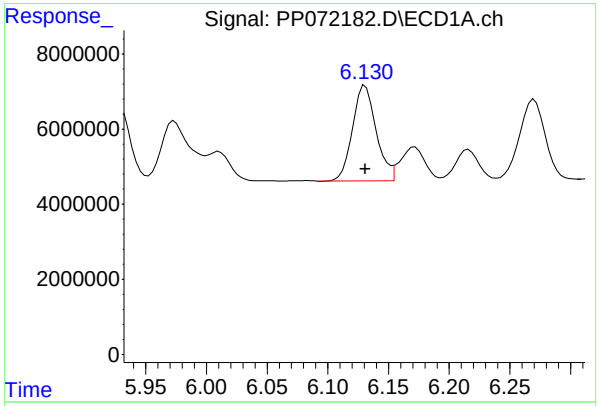

#22 AR-1248-2

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 30582698
Conc: 500.00 ng/ml




#22 AR-1248-2

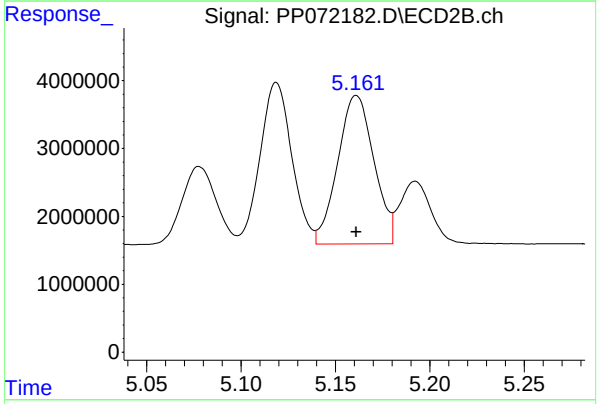
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 27907479
Conc: 500.00 ng/ml




#23 AR-1248-3

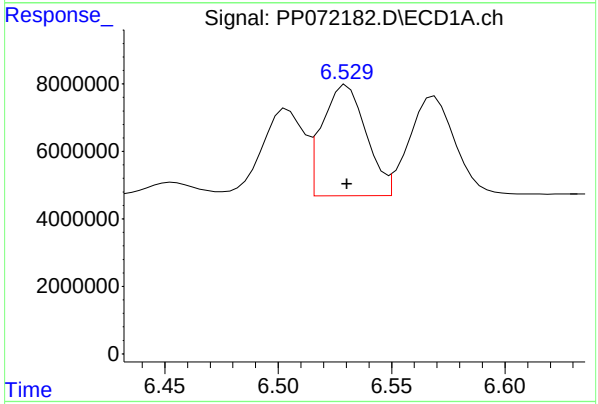
R.T.: 6.131 min
Delta R.T.: 0.000 min
Response: 34383966
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500



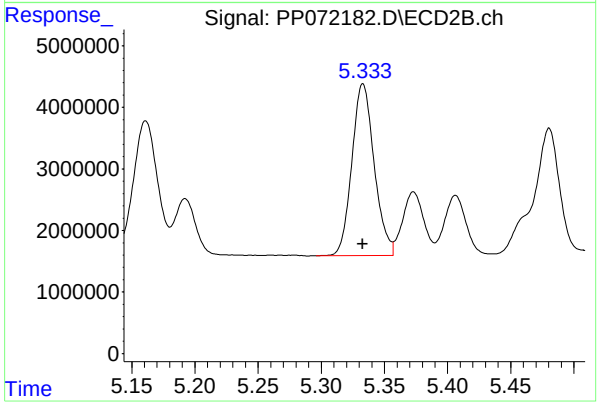

#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 29150937
Conc: 500.00 ng/ml



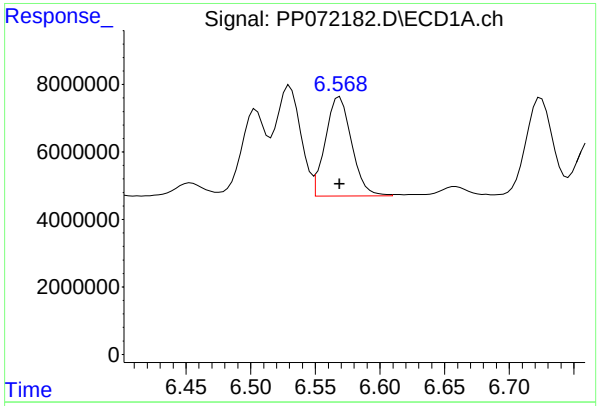

#24 AR-1248-4

R.T.: 6.530 min
Delta R.T.: 0.000 min
Response: 44206090
Conc: 500.00 ng/ml




#24 AR-1248-4

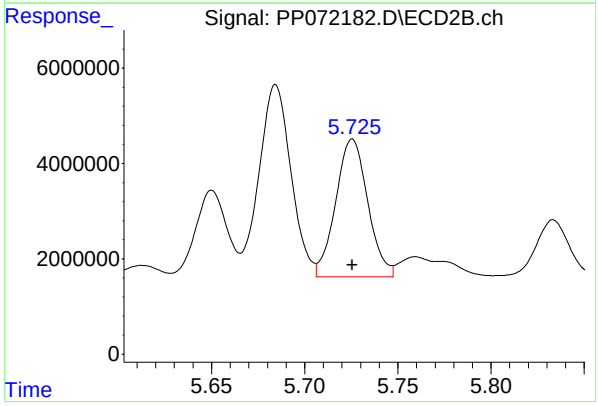
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 34399526
Conc: 500.00 ng/ml




#25 AR-1248-5

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 41605620
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500




#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 34620634
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:53
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.504 | 3.798 | 52810864 | 45199511 | 26.764 | 27.295 |
| 2) | SA Decachlor... | 10.217 | 8.825 | 42874232 | 30462979 | 26.180 | 27.121 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.657 | 4.882 | 12861341 | 11684235 | 269.533 | 280.297 |
| 22) | L5 AR-1248-2 | 5.929 | 5.119 | 15869170 | 15269791 | 263.358 | 281.515 |
| 23) | L5 AR-1248-3 | 6.132 | 5.161 | 17659503 | 16001810 | 261.722 | 280.908 |
| 24) | L5 AR-1248-4 | 6.531 | 5.333 | 23049150 | 18905273 | 265.299 | 281.073 |
| 25) | L5 AR-1248-5 | 6.570 | 5.726 | 21712961 | 18625278 | 264.265 | 276.065 |

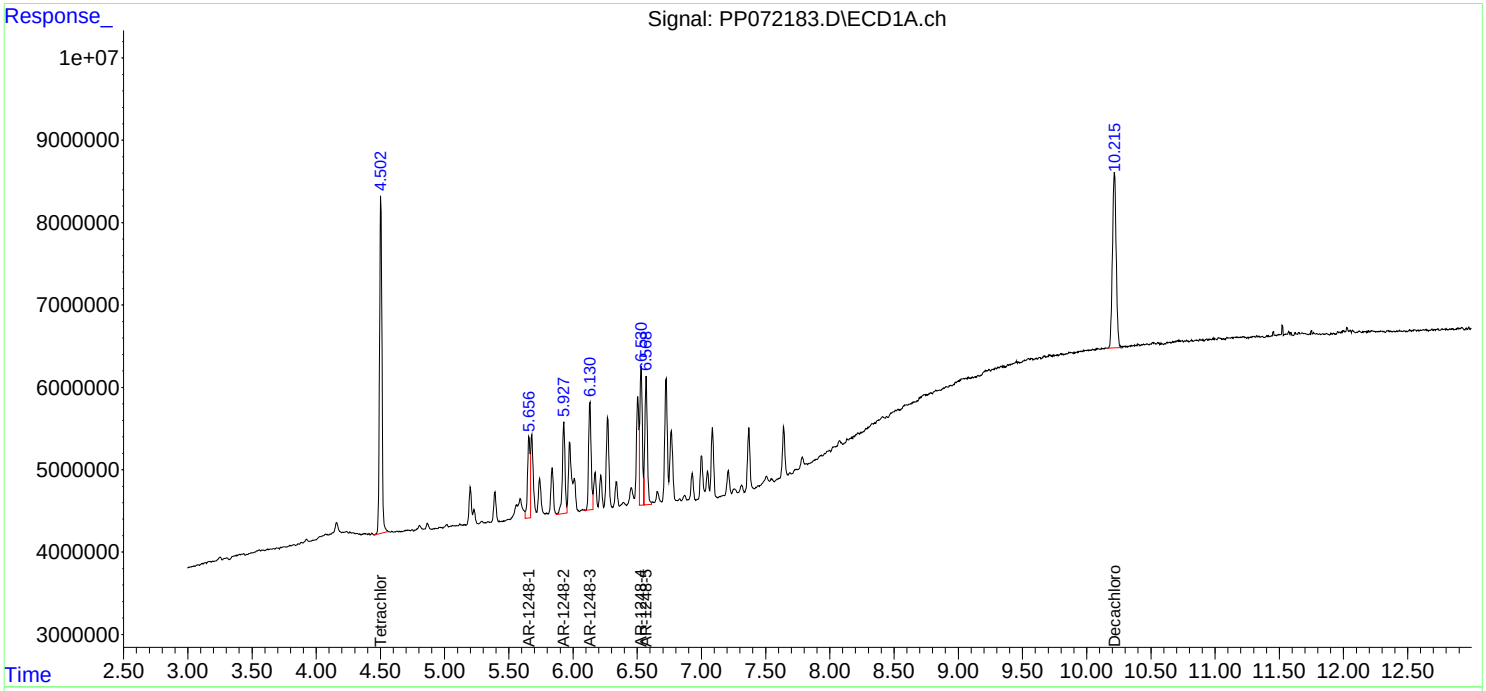
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

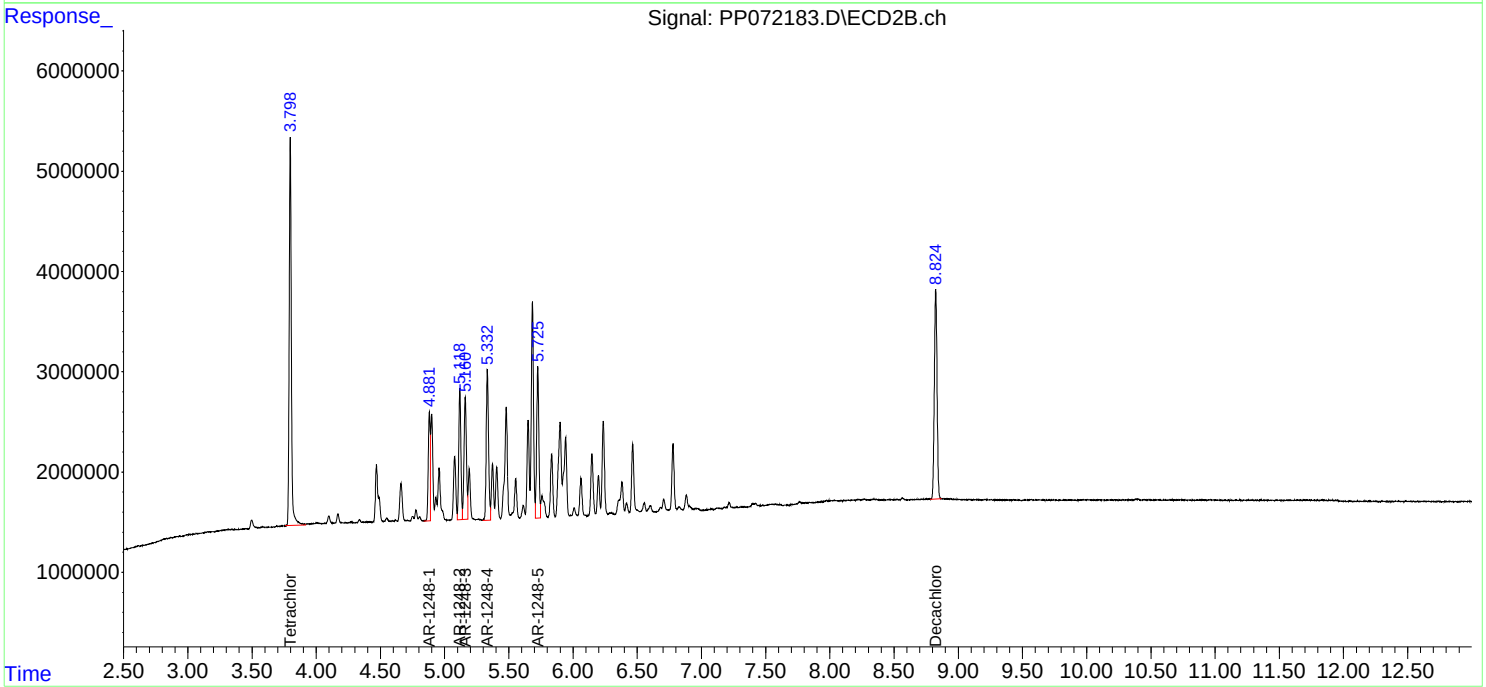
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:53
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

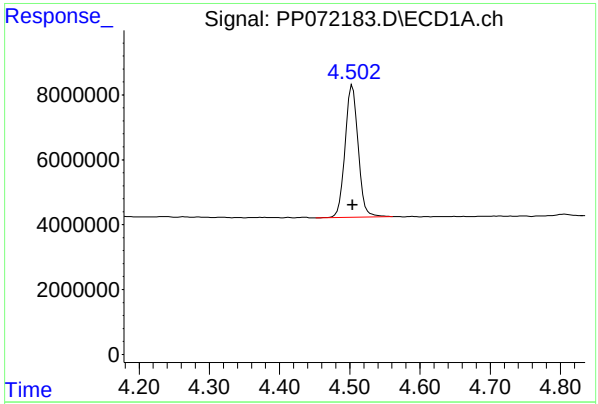
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



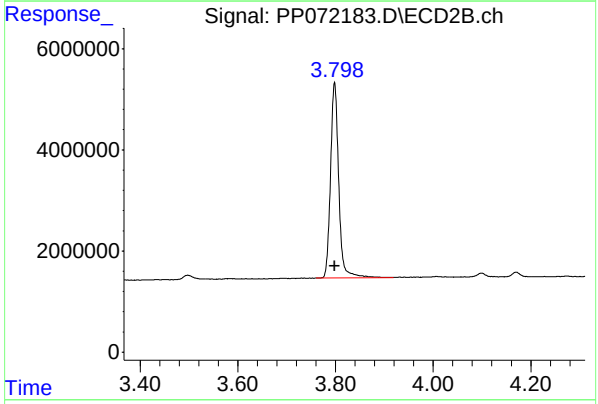






#1 Tetrachloro-m-xylene

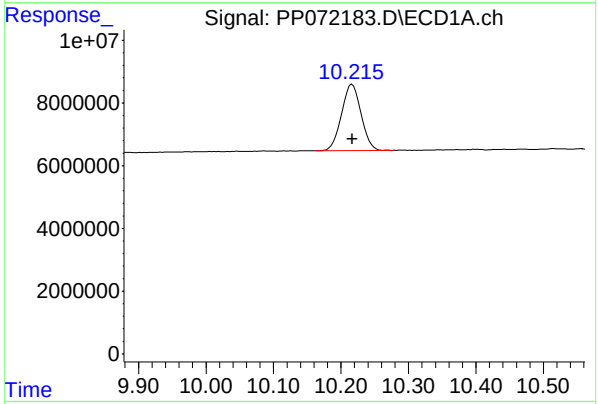
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 52810864
Conc: 26.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250



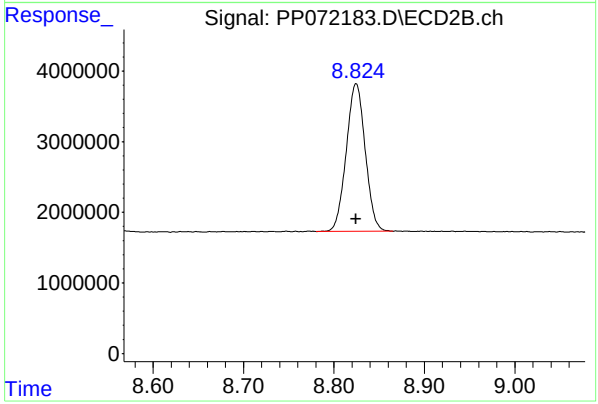

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 45199511
Conc: 27.29 ng/ml



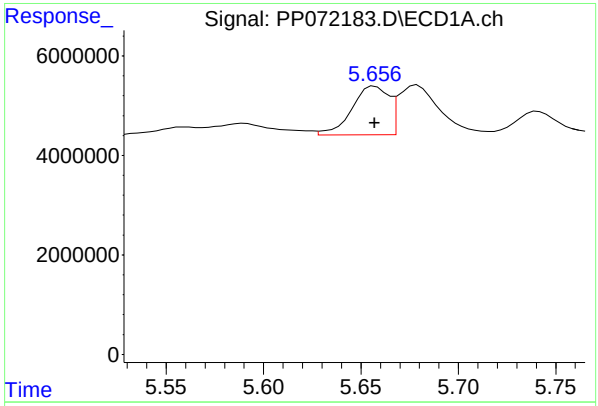

#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 42874232
Conc: 26.18 ng/ml




#2 Decachlorobiphenyl

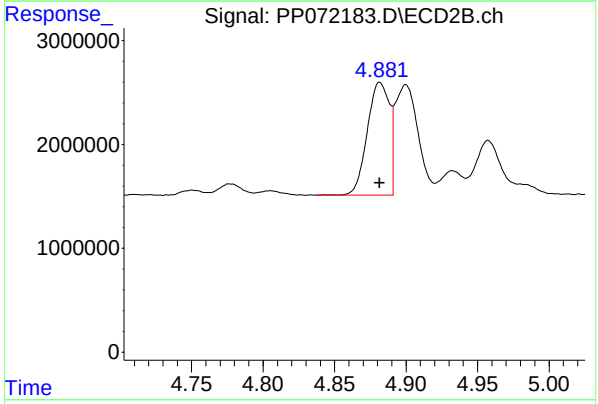
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 30462979
Conc: 27.12 ng/ml




#21 AR-1248-1

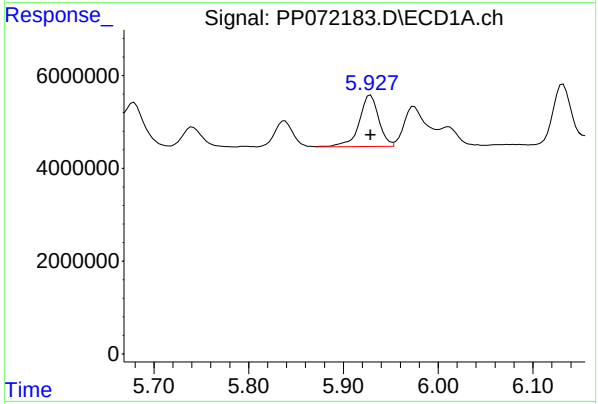
R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 12861341
Conc: 269.53 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250



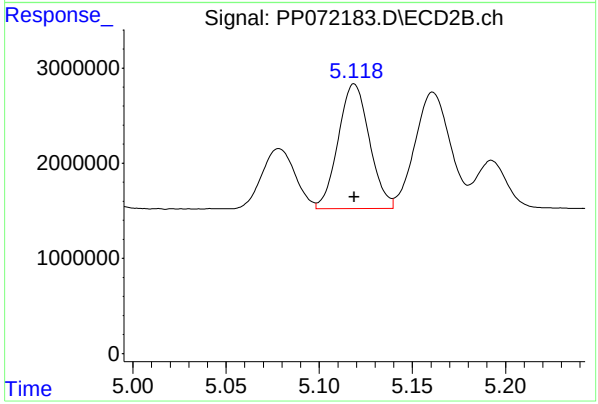

#21 AR-1248-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 11684235
Conc: 280.30 ng/ml



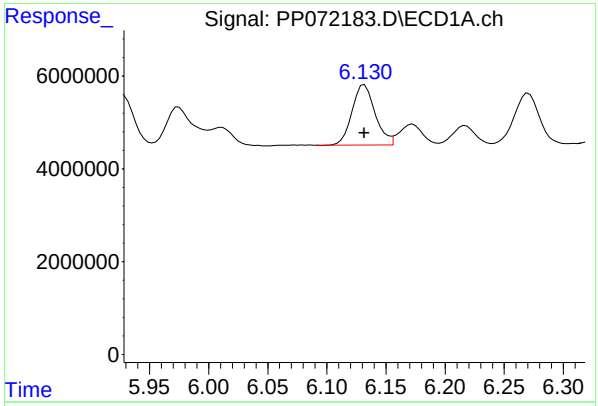

#22 AR-1248-2

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 15869170
Conc: 263.36 ng/ml




#22 AR-1248-2

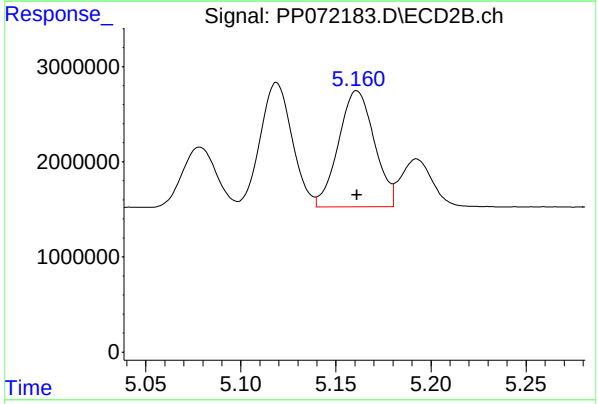
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 15269791
Conc: 281.52 ng/ml




#23 AR-1248-3

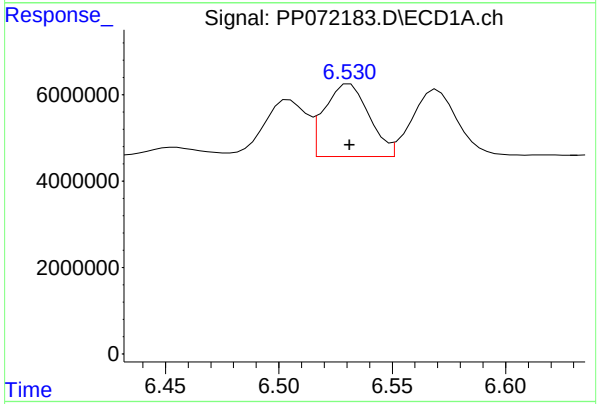
R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 17659503
Conc: 261.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250



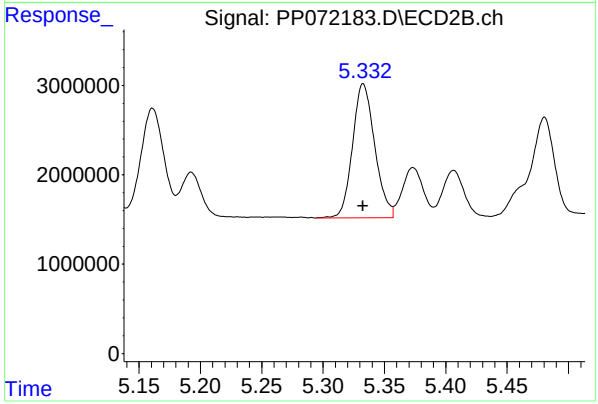

#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 16001810
Conc: 280.91 ng/ml



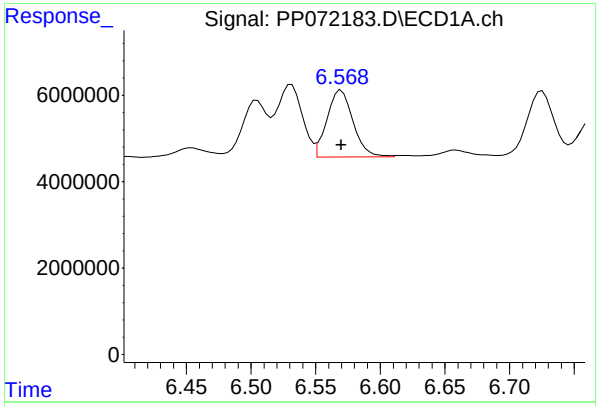

#24 AR-1248-4

R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 23049150
Conc: 265.30 ng/ml




#24 AR-1248-4

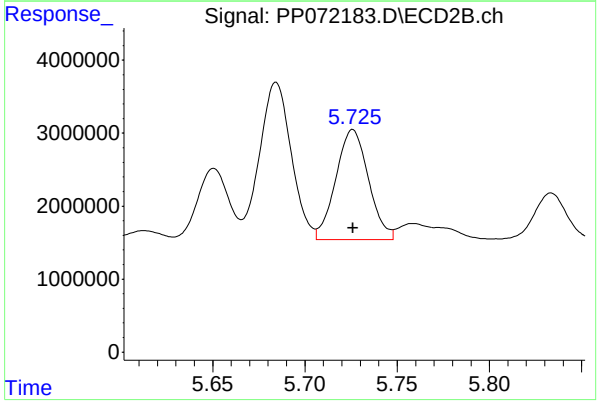
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 18905273
Conc: 281.07 ng/ml




#25 AR-1248-5

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 21712961
Conc: 264.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250




#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 18625278
Conc: 276.06 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.797 | 9281743 | 8589975 | 4.760 | 5.149 |
| 2) | SA Decachlor... | 10.214 | 8.824 | 7393621 | 5937693 | 4.604 | 5.226 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.652 | 4.881 | 2555425 | 2493351 | 52.477m | 57.554 |
| 22) | L5 AR-1248-2 | 5.926 | 5.118 | 3108634 | 3271038 | 51.264 | 57.918 |
| 23) | L5 AR-1248-3 | 6.128 | 5.160 | 3050186 | 3383850 | 46.089 | 57.249 |
| 24) | L5 AR-1248-4 | 6.528 | 5.332 | 4472018 | 3960972 | 51.172 | 56.978m |
| 25) | L5 AR-1248-5 | 6.567 | 5.725 | 4323703 | 3941459 | 52.077 | 56.517 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

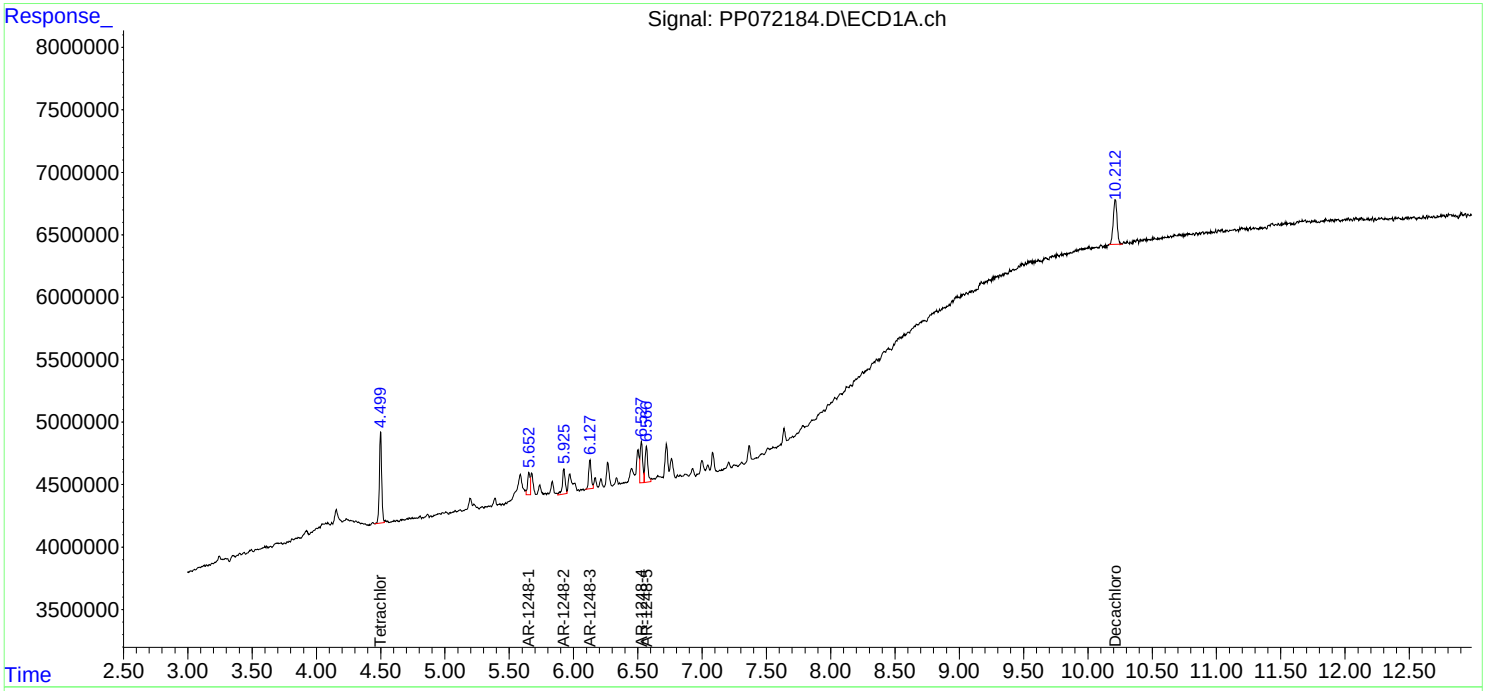
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

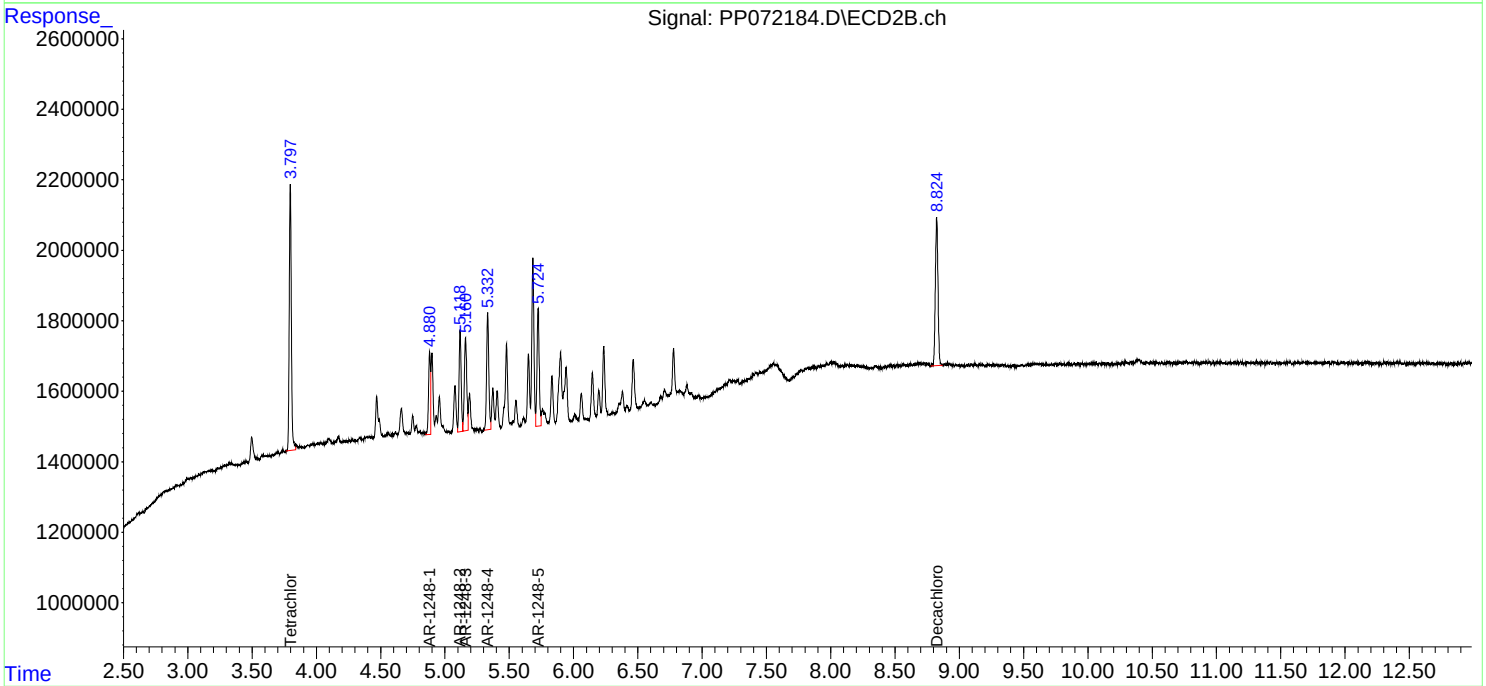
**Manual Integrations APPROVED**

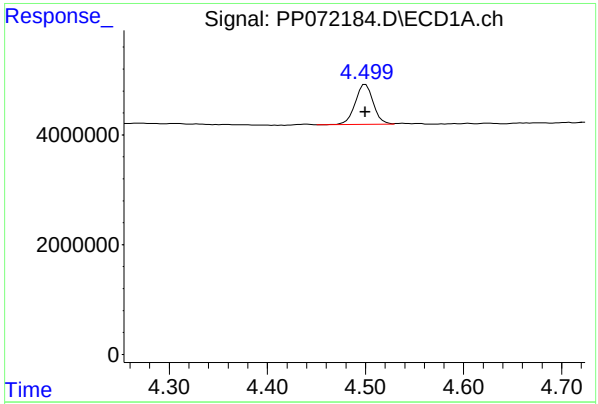
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





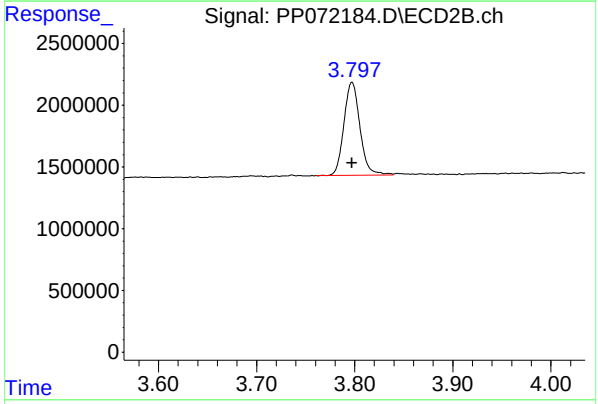

#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 9281743
Conc: 4.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

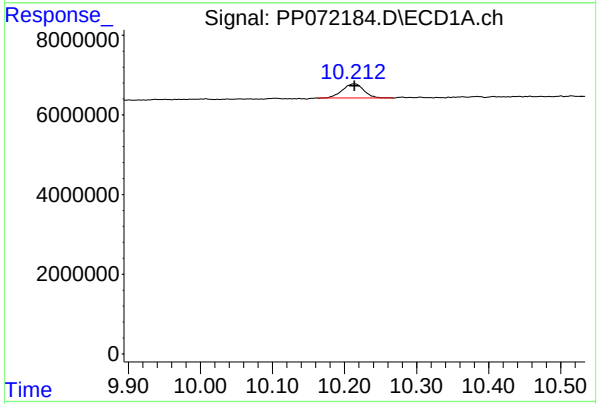
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



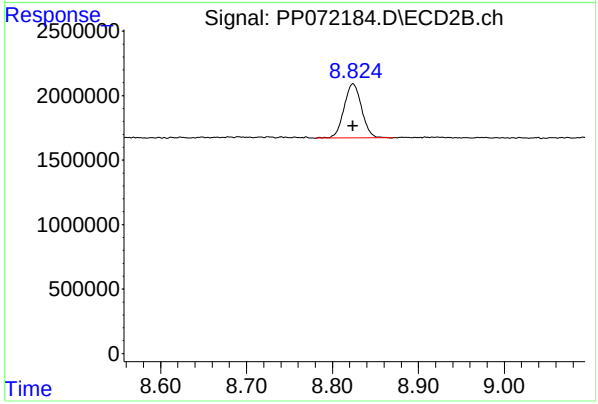

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 8589975
Conc: 5.15 ng/ml



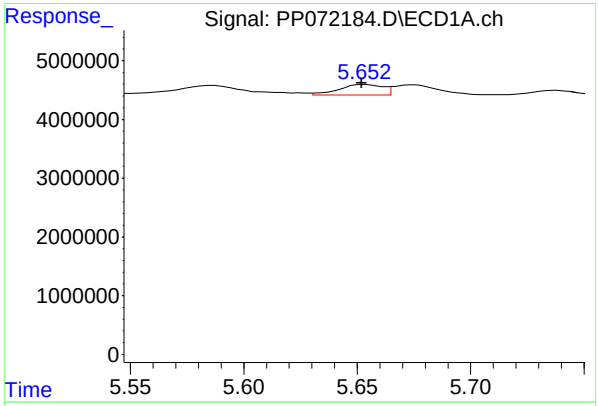

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 7393621
Conc: 4.60 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5937693
Conc: 5.23 ng/ml



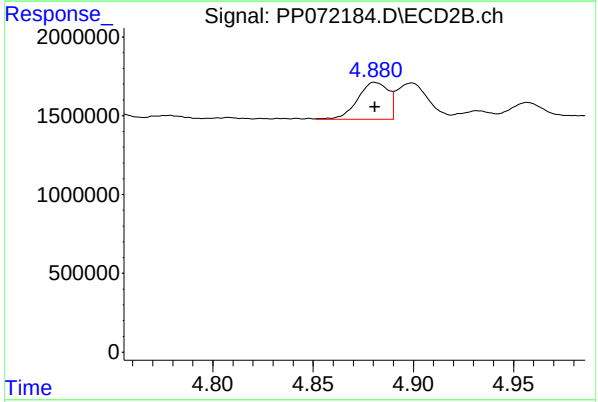

#21 AR-1248-1

R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 2555425
Conc: 52.48 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

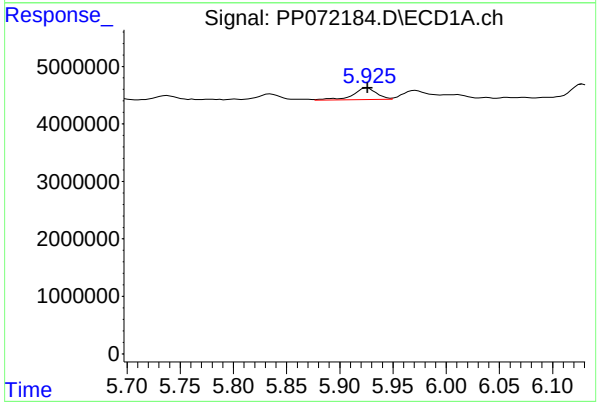
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



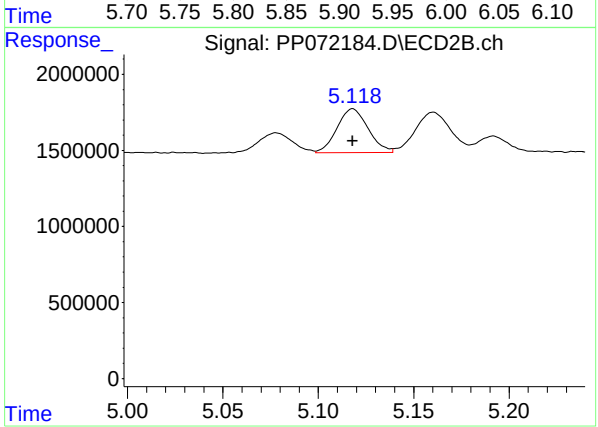

#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 2493351
Conc: 57.55 ng/ml



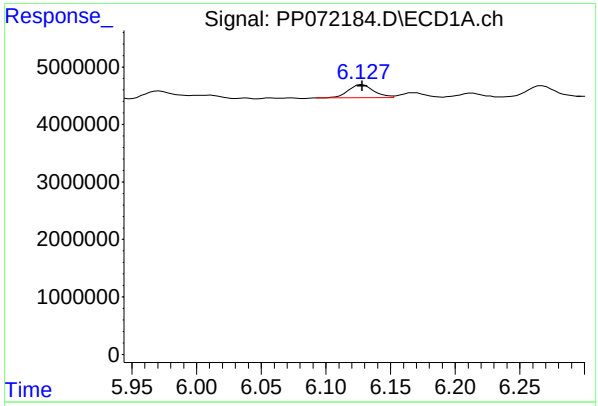

#22 AR-1248-2

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 3108634
Conc: 51.26 ng/ml




#22 AR-1248-2

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 3271038
Conc: 57.92 ng/ml



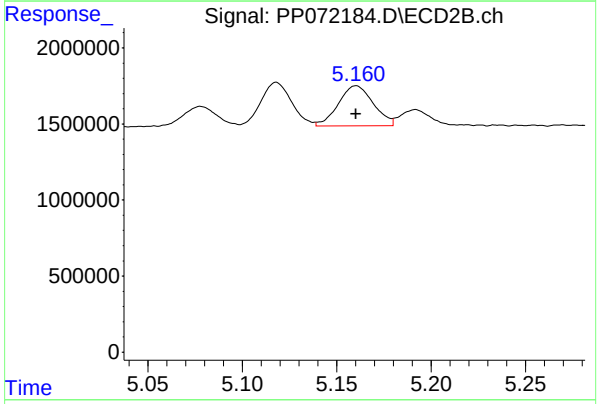

#23 AR-1248-3

R.T.: 6.128 min
Delta R.T.: 0.000 mi
Response: 3050186
Conc: 46.09 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

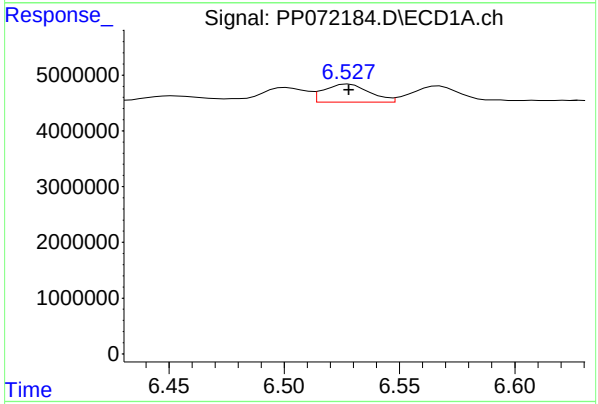
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



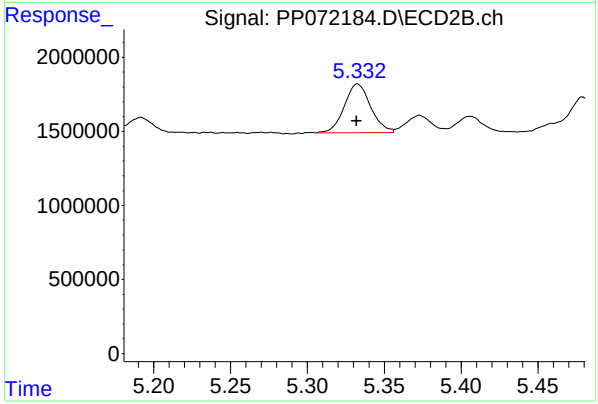

#23 AR-1248-3

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 3383850
Conc: 57.25 ng/ml



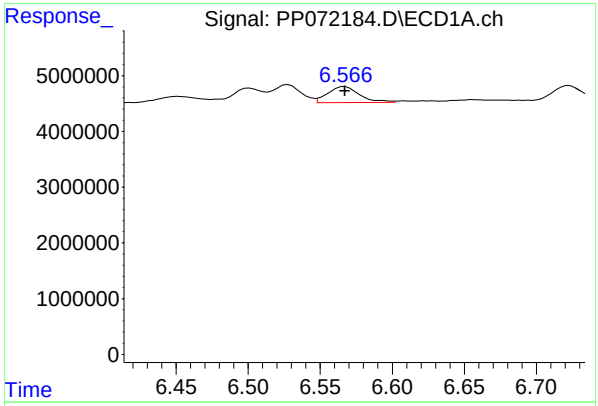

#24 AR-1248-4

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 4472018
Conc: 51.17 ng/ml




#24 AR-1248-4

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 3960972
Conc: 56.98 ng/ml m



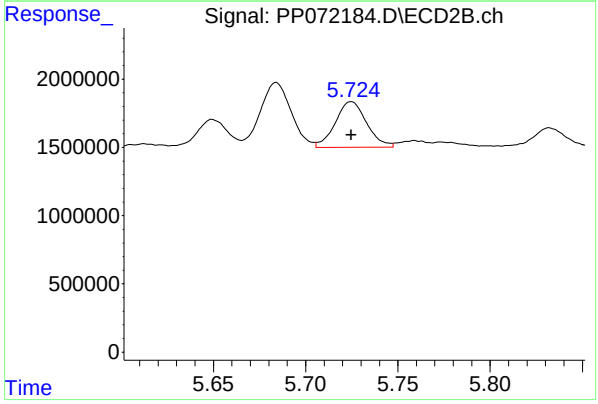

#25 AR-1248-5

R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 4323703
Conc: 52.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025




#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 3941459
Conc: 56.52 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.504 | 3.799 | 186.9E6 | 151.6E6 | 95.813 | 92.566 |
| 2) | SA Decachlor... | 10.217 | 8.825 | 157.7E6 | 104.9E6 | 96.583 | 97.142 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.507 | 5.685 | 79792123 | 88394708 | 957.230 | 921.511 |
| 27) | L6 AR-1254-2 | 6.724 | 5.834 | 120.1E6 | 75158218 | 956.365 | 909.300 |
| 28) | L6 AR-1254-3 | 7.088 | 6.236 | 124.3E6 | 118.6E6 | 963.286 | 925.888 |
| 29) | L6 AR-1254-4 | 7.370 | 6.465 | 116.3E6 | 76184182 | 966.294 | 916.589 |
| 30) | L6 AR-1254-5 | 7.787 | 6.883 | 107.9E6 | 103.3E6 | 962.647 | 923.217 |

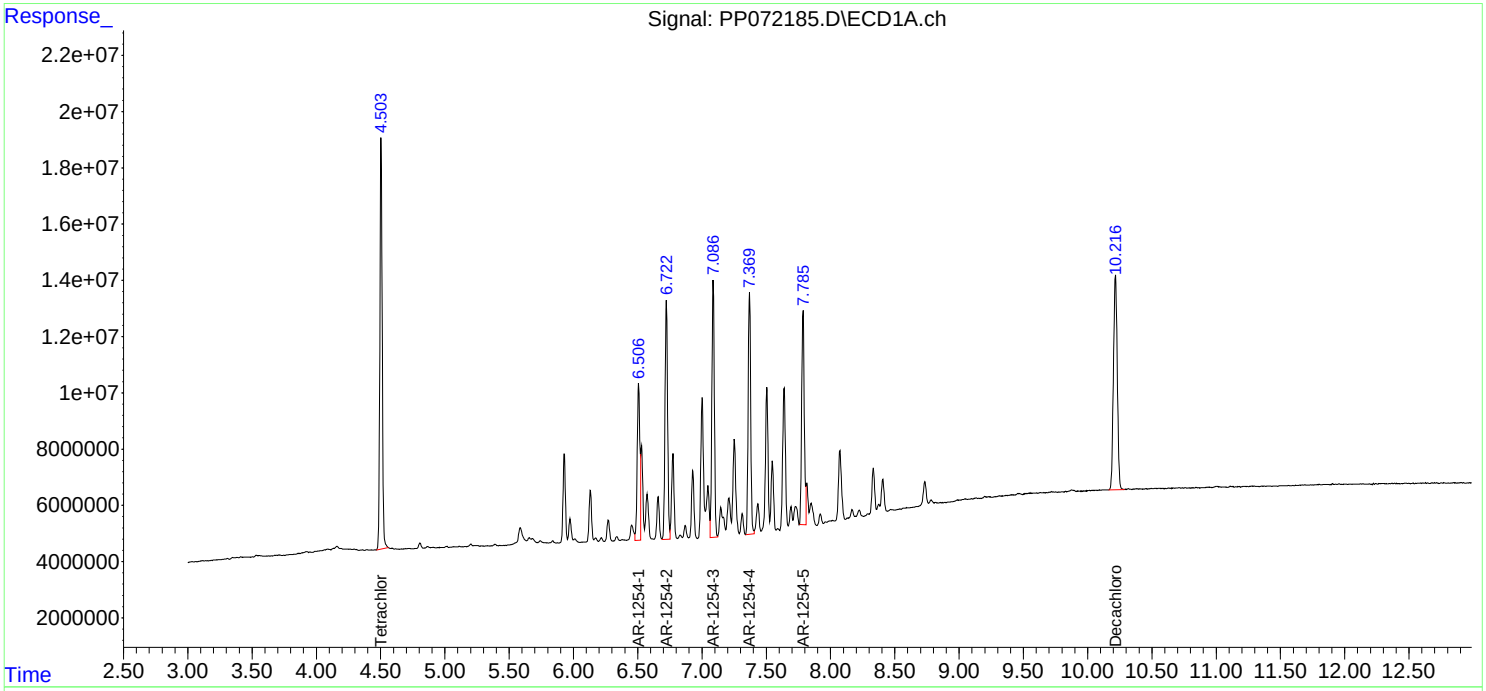
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

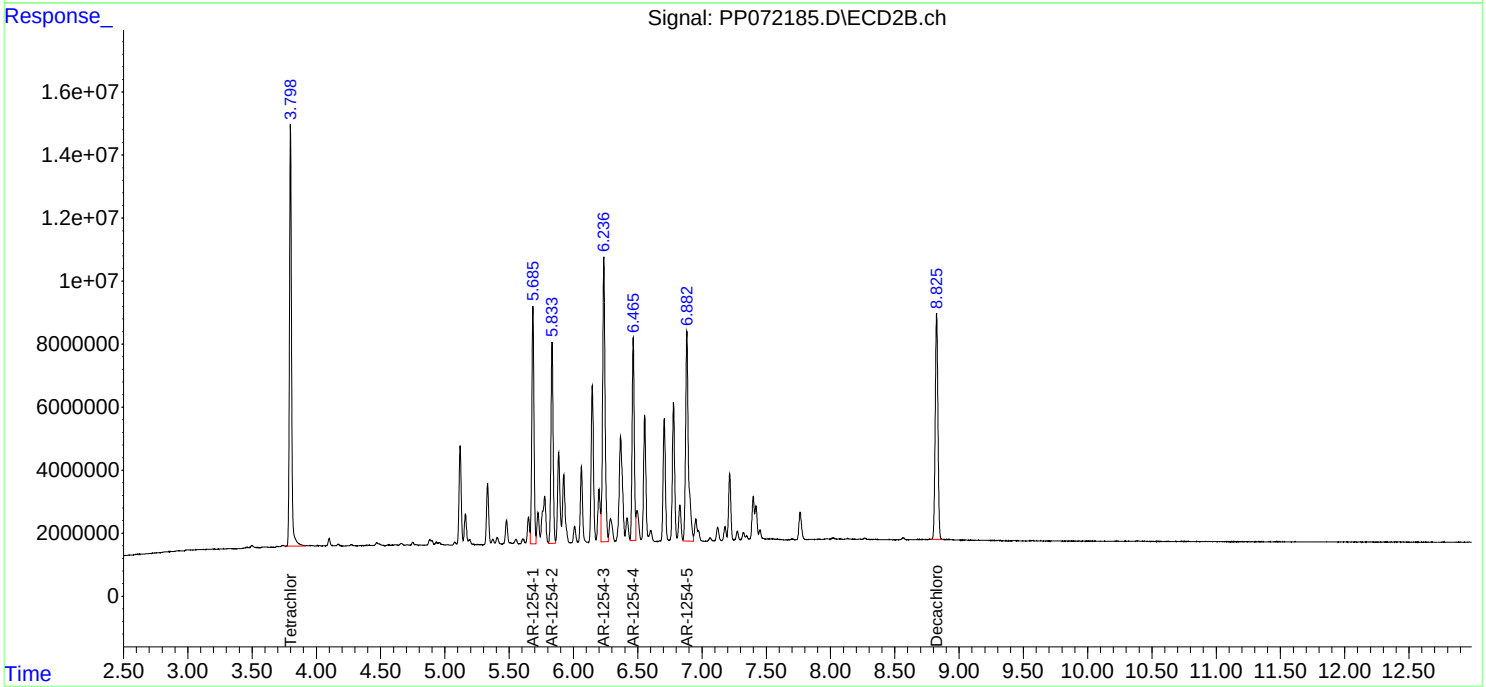
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

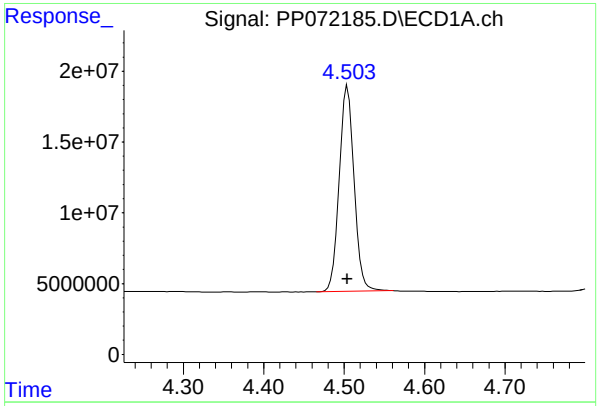
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



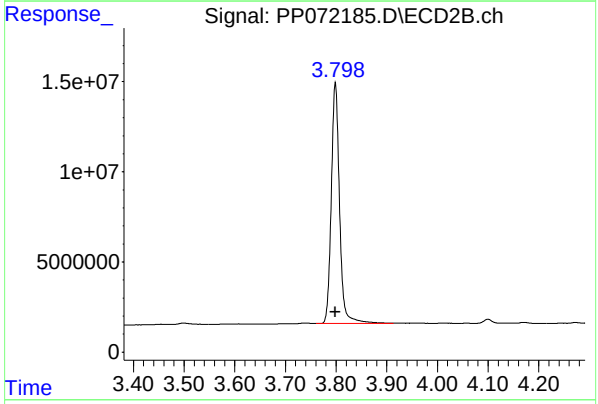






#1 Tetrachloro-m-xylene

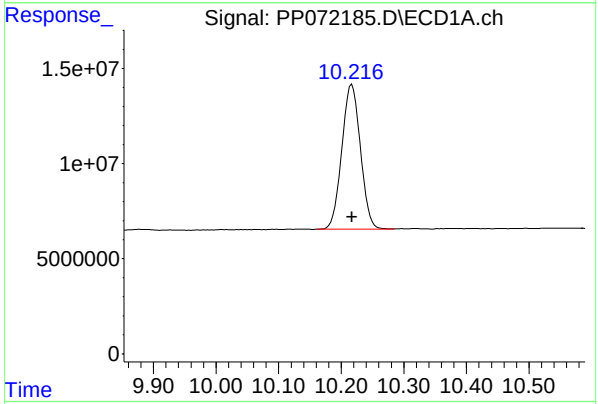
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 186906656
Conc: 95.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



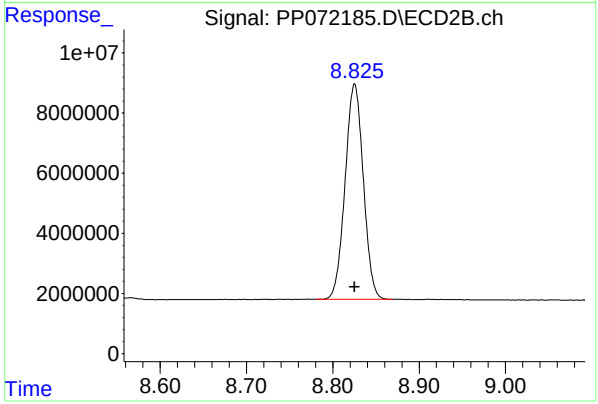

#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 151555454
Conc: 92.57 ng/ml



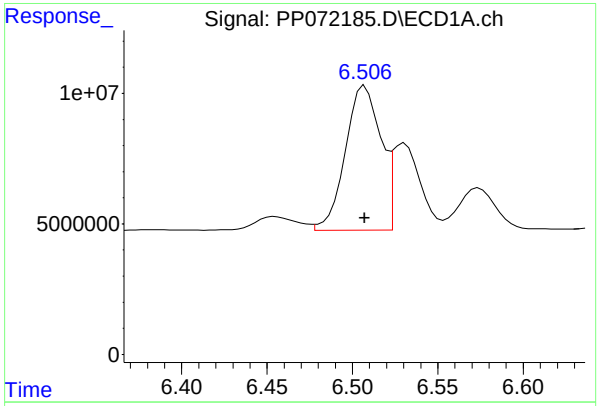

#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 157650007
Conc: 96.58 ng/ml




#2 Decachlorobiphenyl

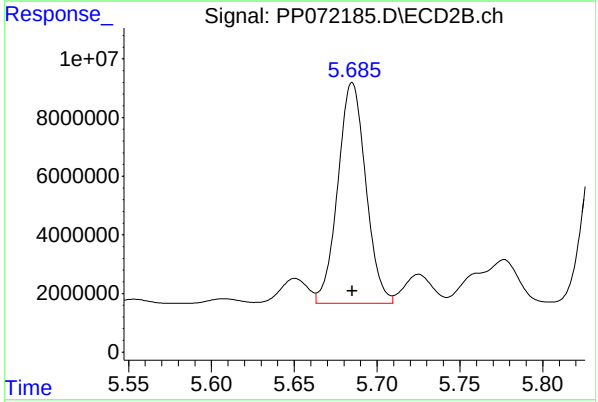
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 104861824
Conc: 97.14 ng/ml




#26 AR-1254-1

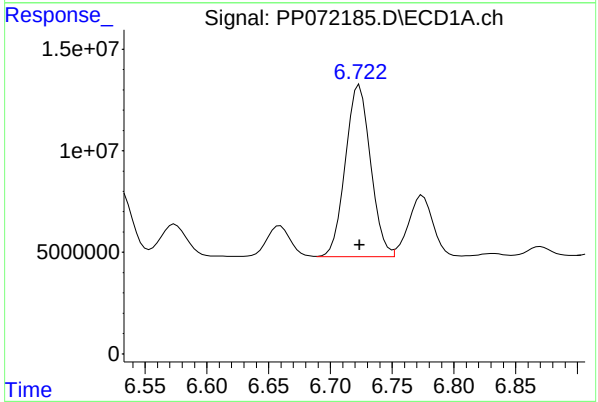
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 79792123
Conc: 957.23 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



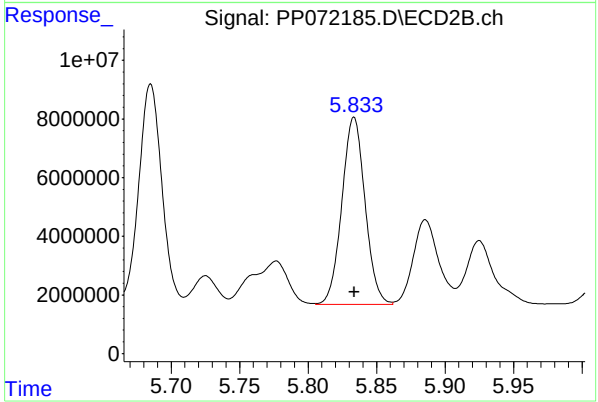

#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 88394708
Conc: 921.51 ng/ml



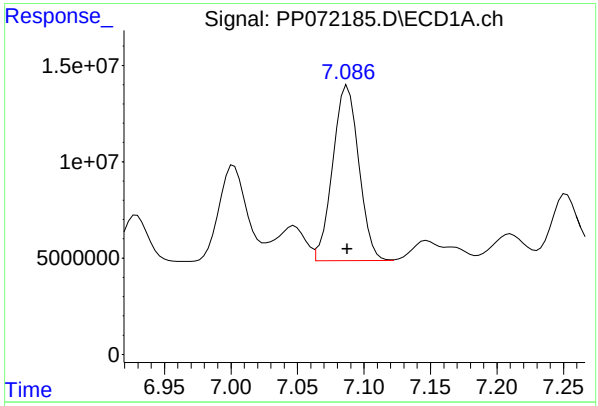

#27 AR-1254-2

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 120142096
Conc: 956.36 ng/ml




#27 AR-1254-2

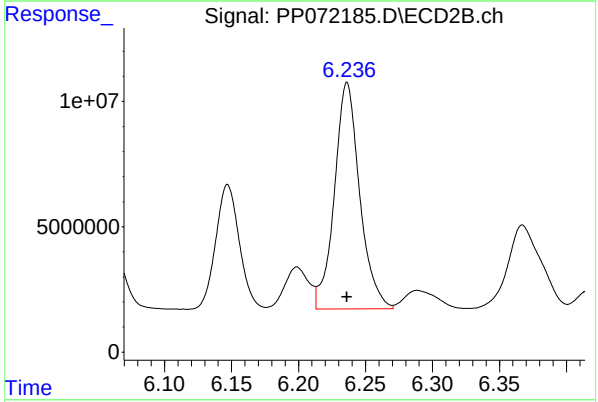
R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 75158218
Conc: 909.30 ng/ml




#28 AR-1254-3

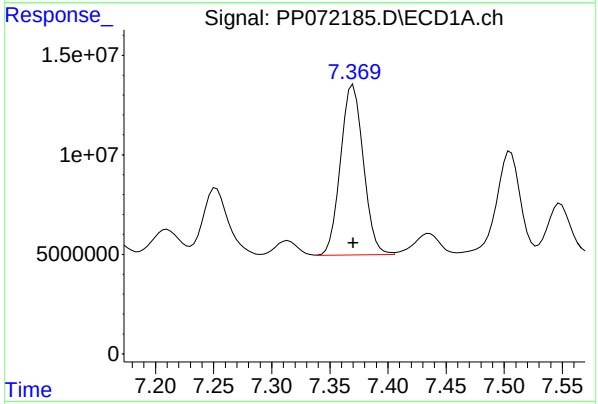
R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 124307316
Conc: 963.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



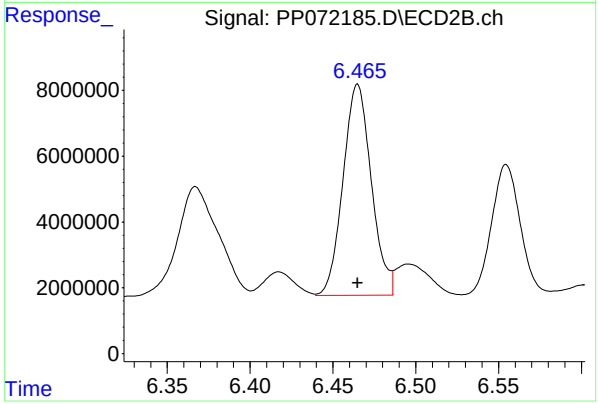

#28 AR-1254-3

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 118588697
Conc: 925.89 ng/ml



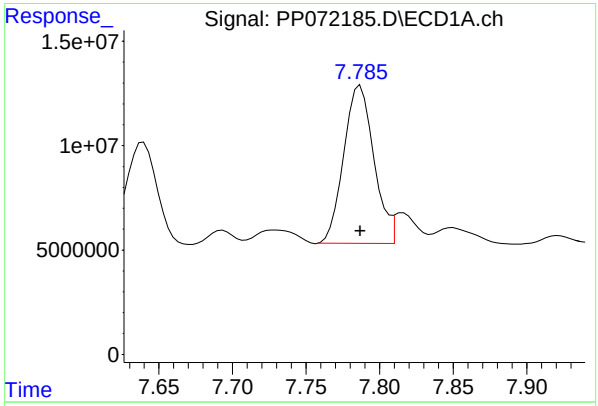

#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 116304358
Conc: 966.29 ng/ml




#29 AR-1254-4

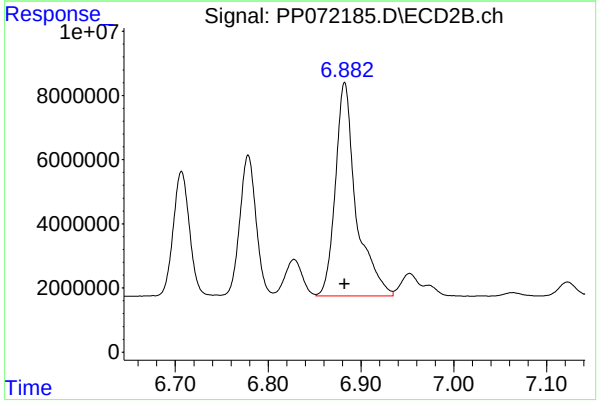
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 76184182
Conc: 916.59 ng/ml




#30 AR-1254-5

R.T.: 7.787 min
Delta R.T.: 0.000 min
Response: 107938622
Conc: 962.65 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000




#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 103321222
Conc: 923.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.504 | 3.799 | 146.2E6 | 125.8E6 | 74.952 | 76.204 |
| 2) | SA Decachlor... | 10.217 | 8.825 | 121.1E6 | 81081085 | 74.439 | 75.075 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.507 | 5.685 | 62087463 | 69101121 | 746.549 | 729.987 |
| 27) | L6 AR-1254-2 | 6.723 | 5.834 | 93637557 | 59106174 | 746.914 | 726.363 |
| 28) | L6 AR-1254-3 | 7.087 | 6.237 | 95874547 | 92318270 | 745.288 | 730.264 |
| 29) | L6 AR-1254-4 | 7.370 | 6.465 | 88913109 | 59863409 | 742.441 | 729.887 |
| 30) | L6 AR-1254-5 | 7.786 | 6.883 | 84042453 | 83723123 | 749.686 | 748.732 |

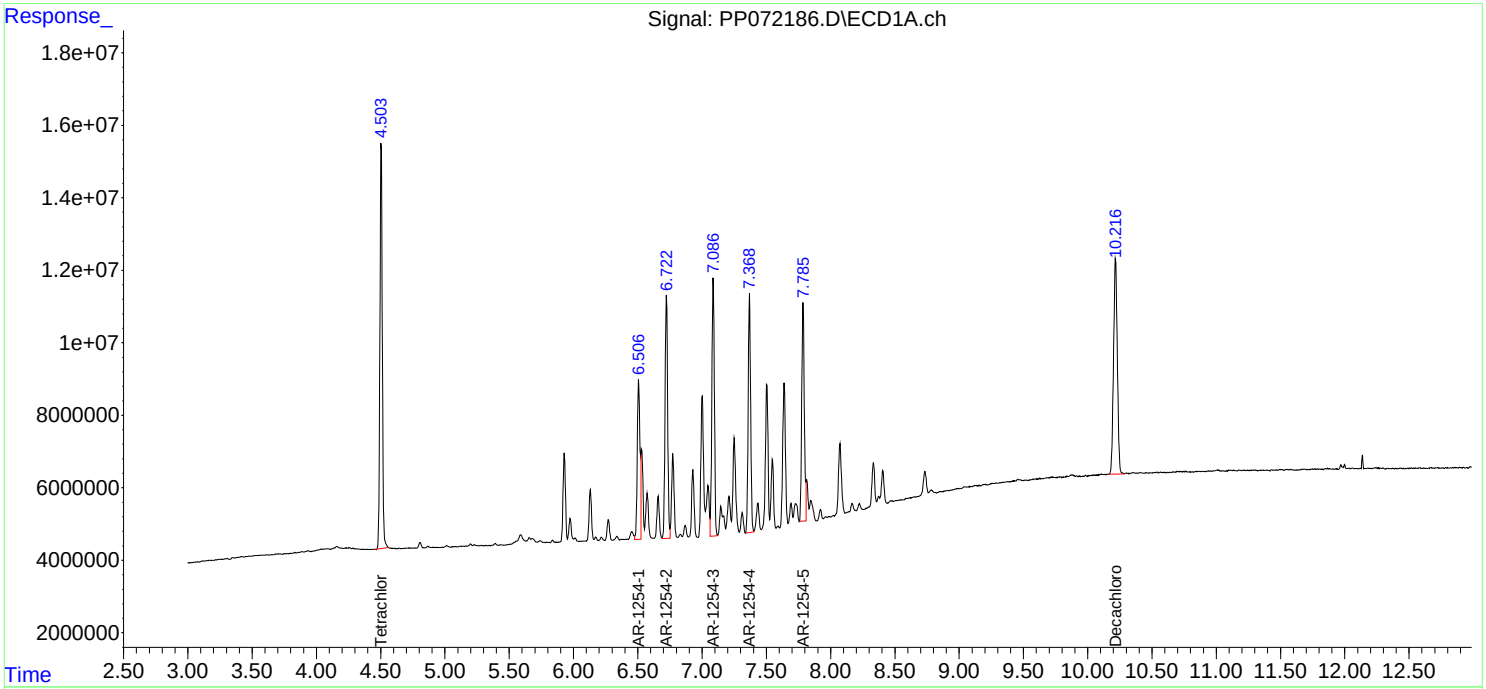
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

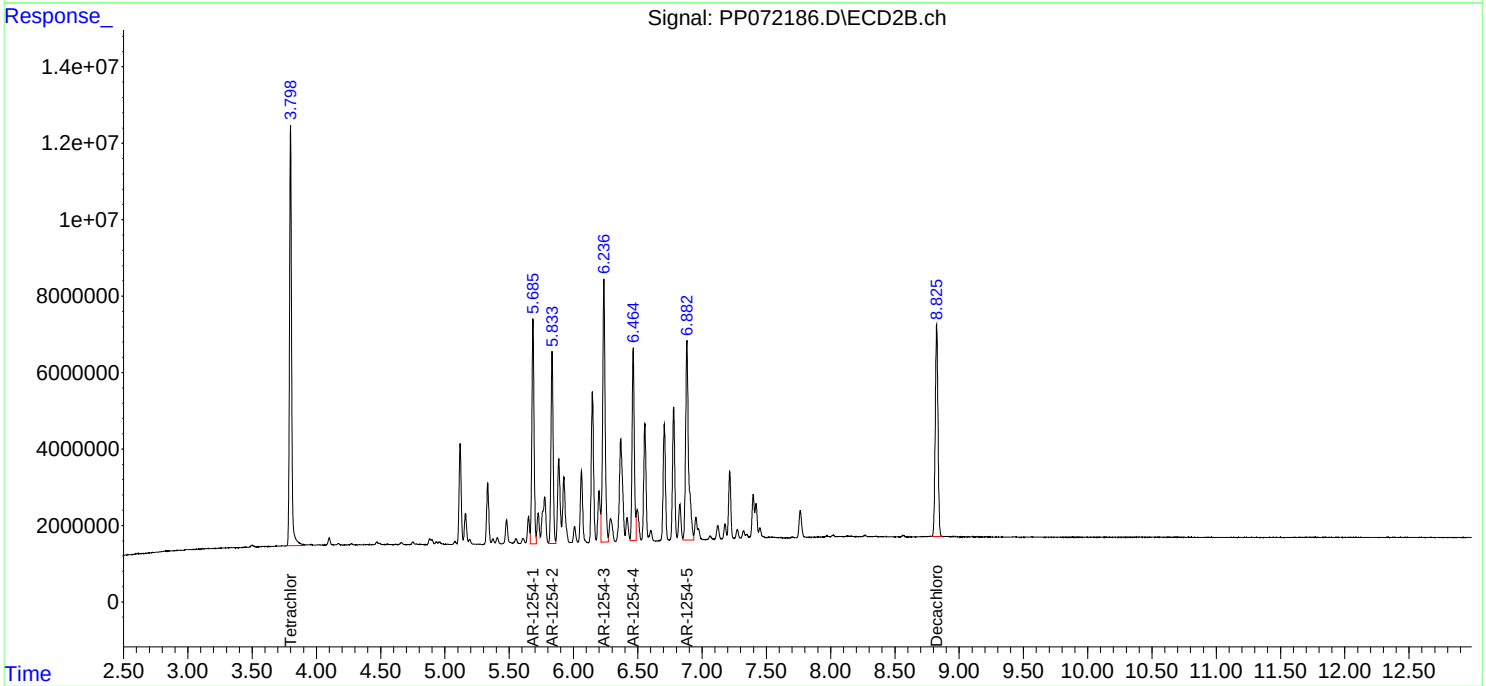
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

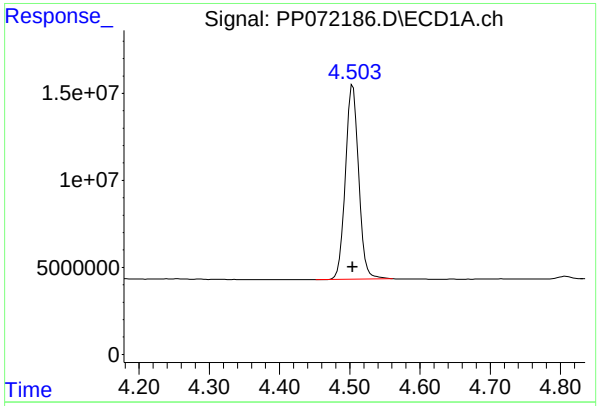
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



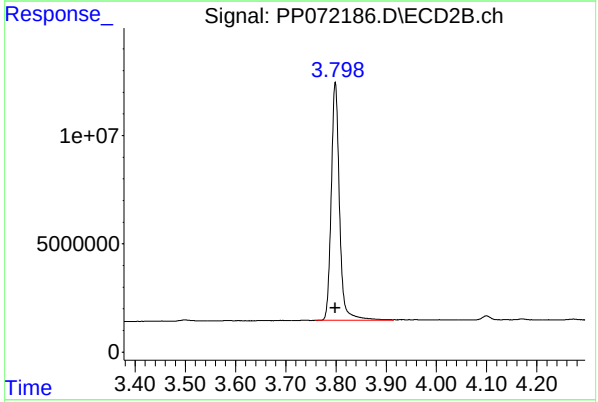






#1 Tetrachloro-m-xylene

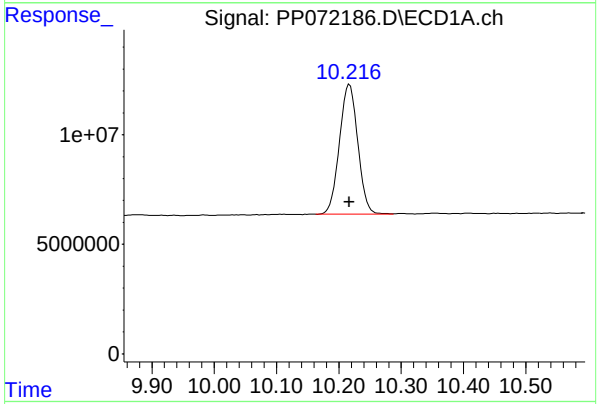
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 146165651
Conc: 74.95 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



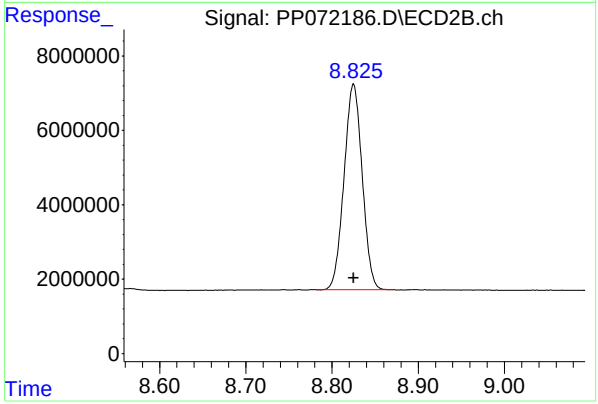

#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 125776959
Conc: 76.20 ng/ml



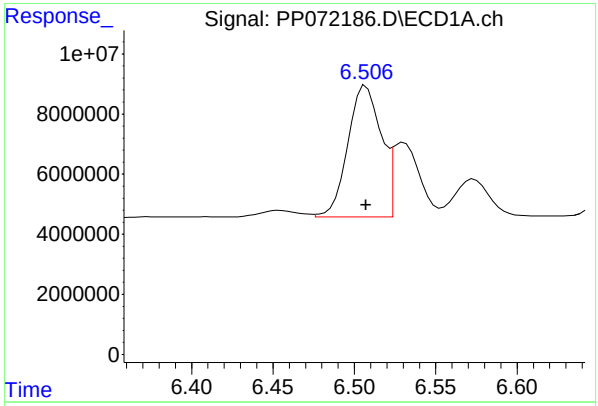

#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 121052407
Conc: 74.44 ng/ml




#2 Decachlorobiphenyl

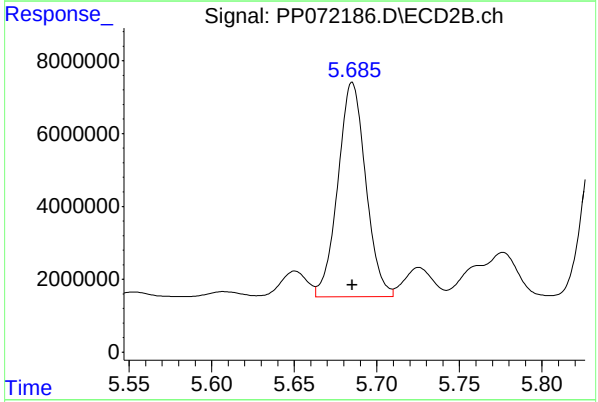
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 81081085
Conc: 75.07 ng/ml




#26 AR-1254-1

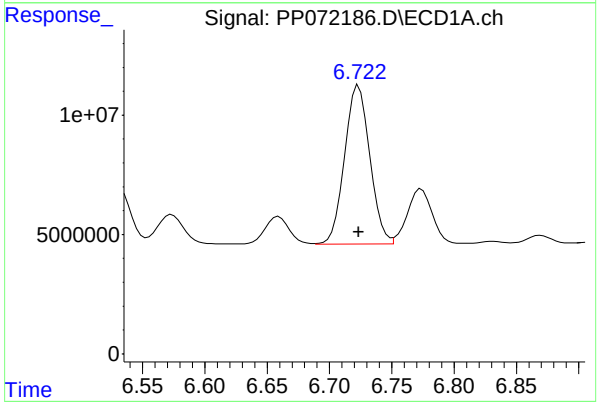
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 62087463
Conc: 746.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



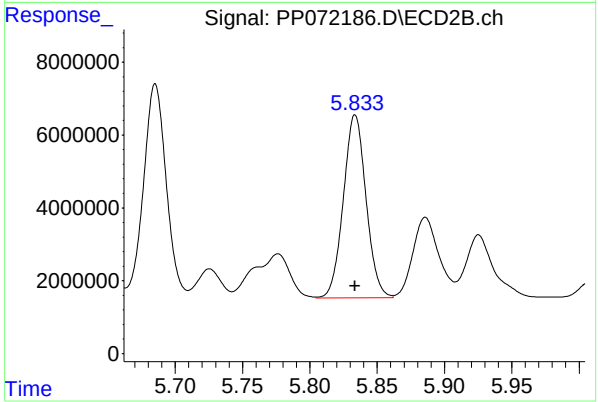

#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 69101121
Conc: 729.99 ng/ml



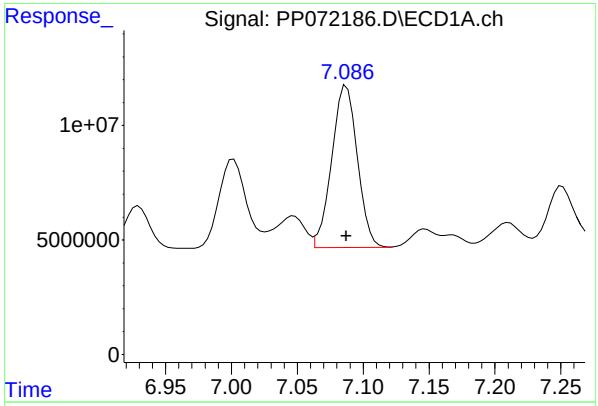

#27 AR-1254-2

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 93637557
Conc: 746.91 ng/ml




#27 AR-1254-2

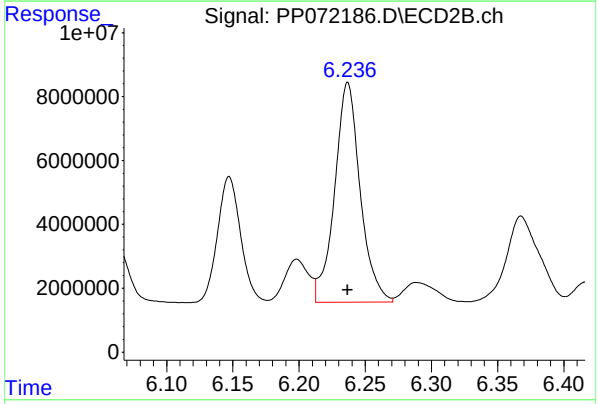
R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 59106174
Conc: 726.36 ng/ml




#28 AR-1254-3

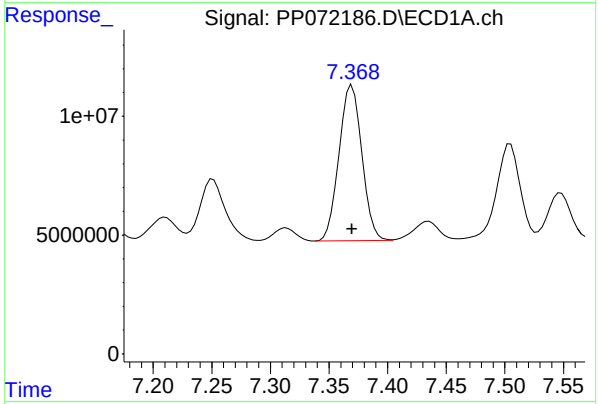
R.T.: 7.087 min
Delta R.T.: 0.000 min
Response: 95874547
Conc: 745.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



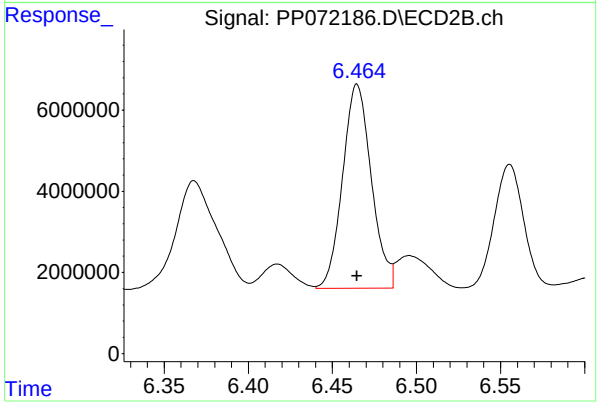

#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 92318270
Conc: 730.26 ng/ml



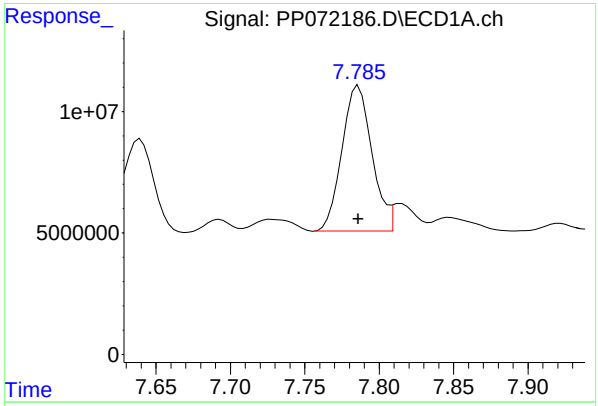

#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 88913109
Conc: 742.44 ng/ml




#29 AR-1254-4

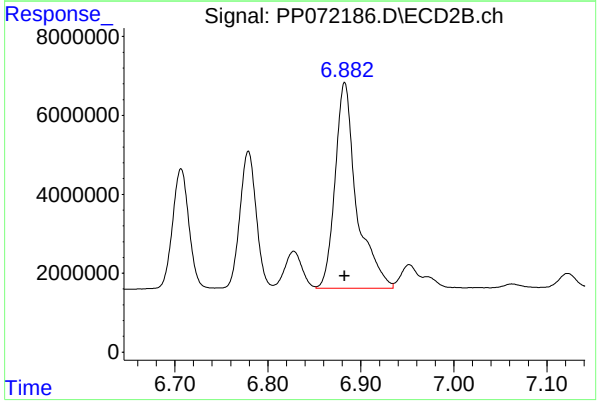
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 59863409
Conc: 729.89 ng/ml




#30 AR-1254-5

R.T.: 7.786 min
Delta R.T.: 0.000 min
Response: 84042453
Conc: 749.69 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750




#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 83723123
Conc: 748.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:52:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.798 | 101.6E6 | 87948942 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.215 | 8.825 | 84401769 | 55516052 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.506 | 5.685 | 43461212 | 51726314 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 6.723 | 5.833 | 65552662 | 45075919 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 7.086 | 6.236 | 66891427 | 68786744 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 7.369 | 6.465 | 62209110 | 45024944 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 7.785 | 6.883 | 58157609 | 60253702 | 500.000 | 500.000 |

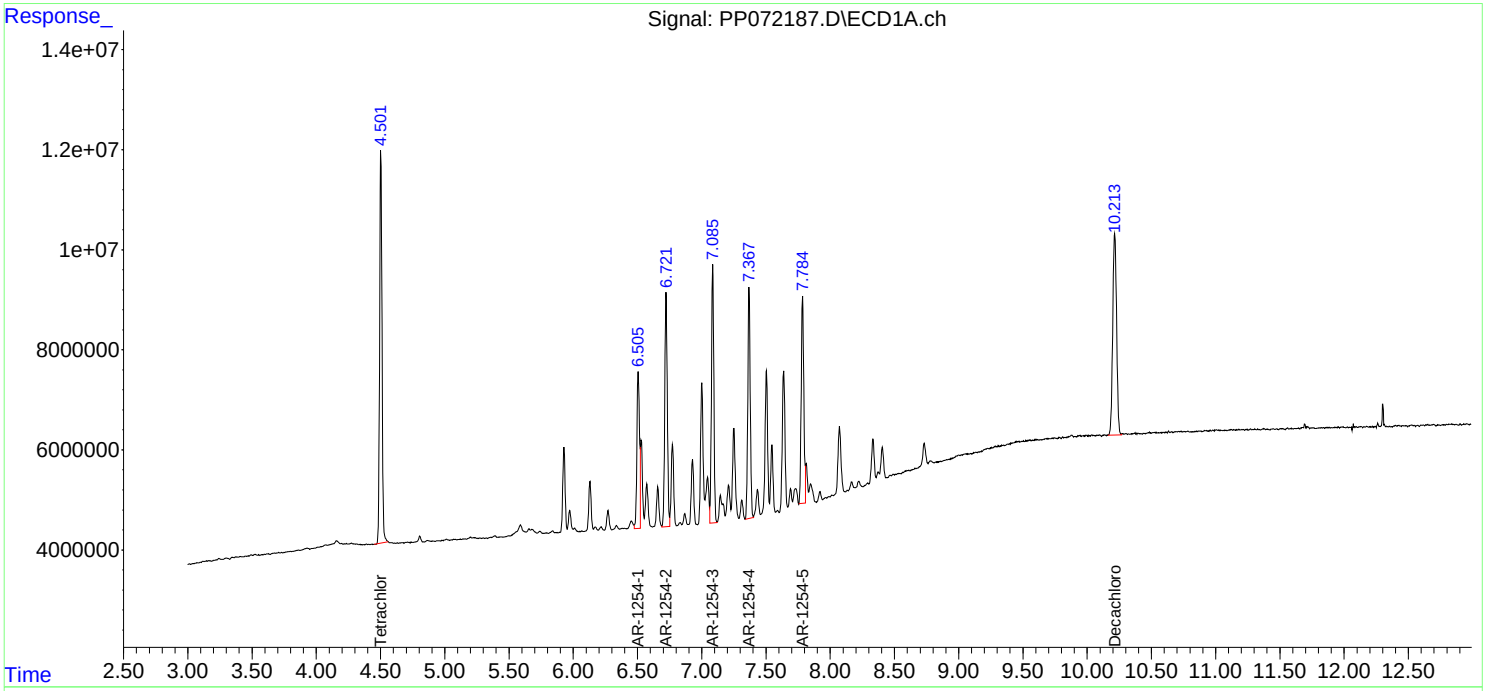
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

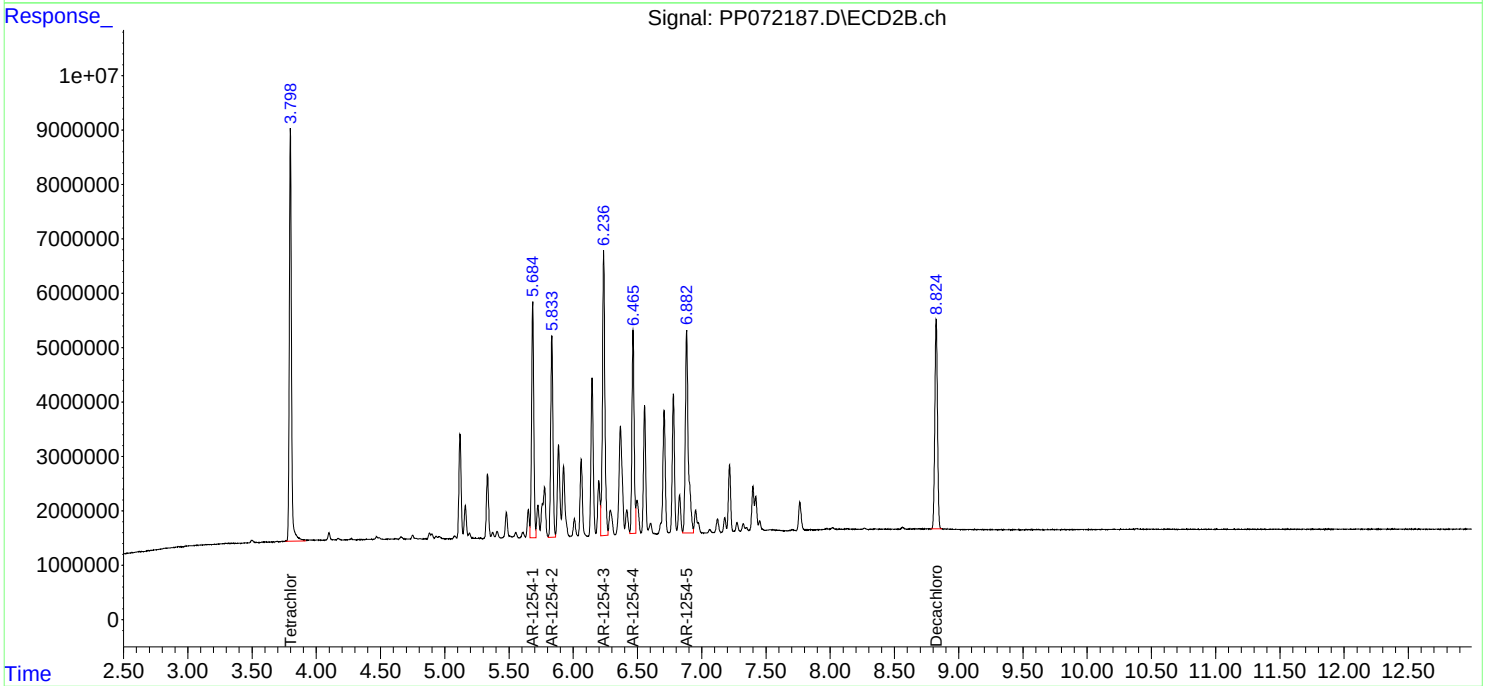
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

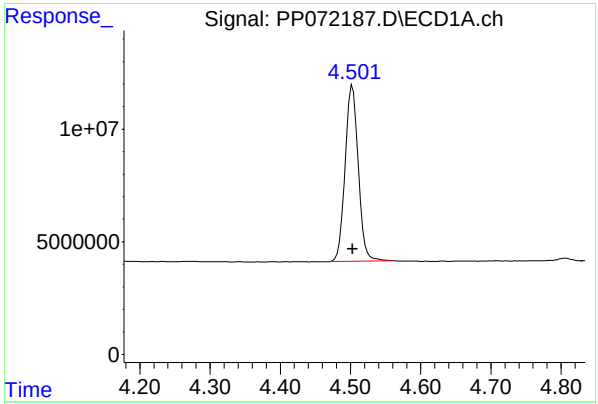
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:52:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



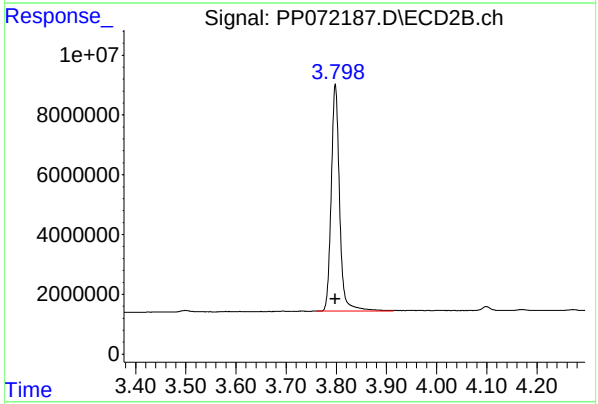






#1 Tetrachloro-m-xylene

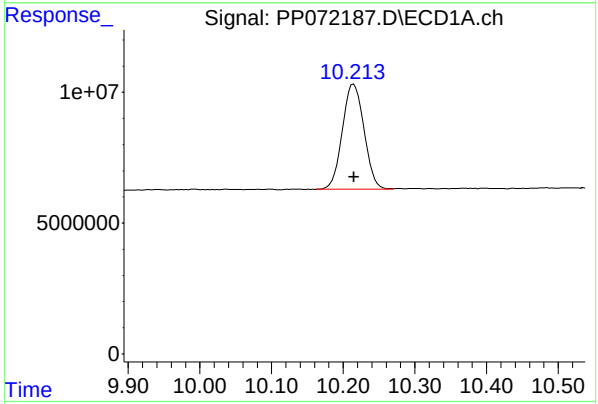
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 101621771
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



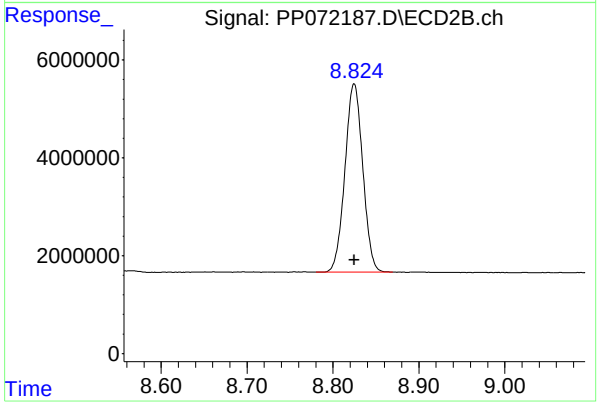

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 87948942
Conc: 50.00 ng/ml



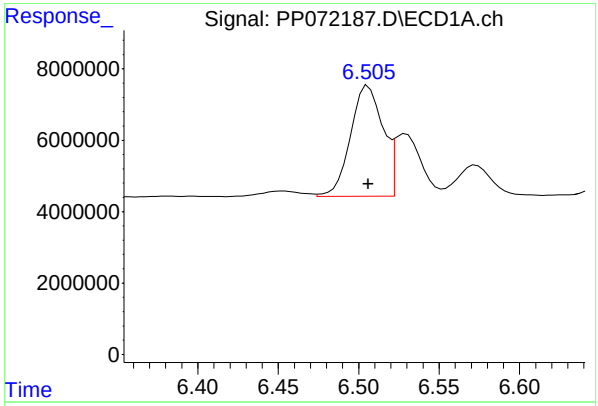

#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 84401769
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

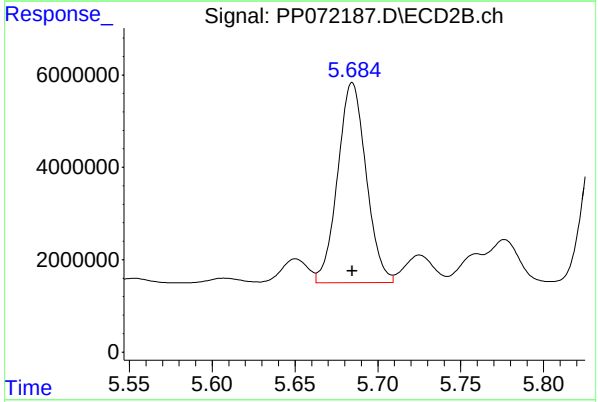
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 55516052
Conc: 50.00 ng/ml




#26 AR-1254-1

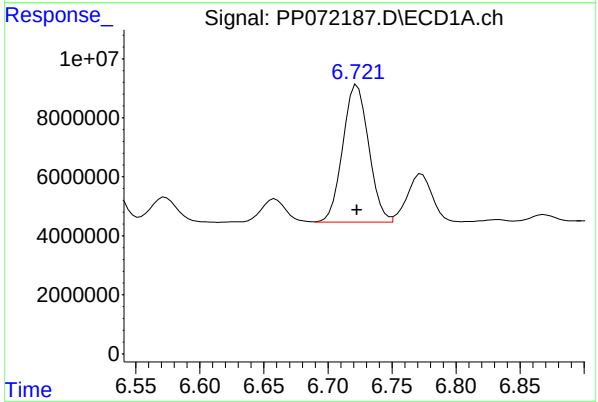
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 43461212
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



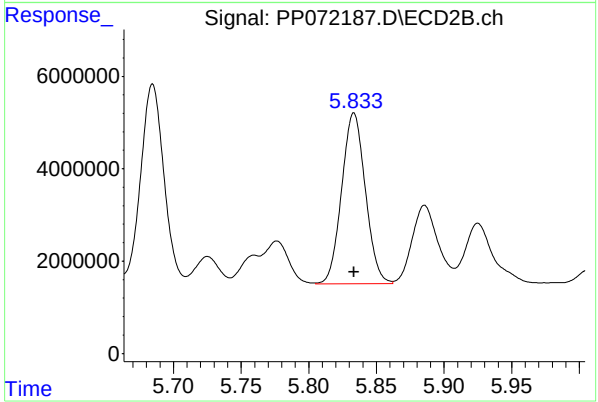

#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 51726314
Conc: 500.00 ng/ml



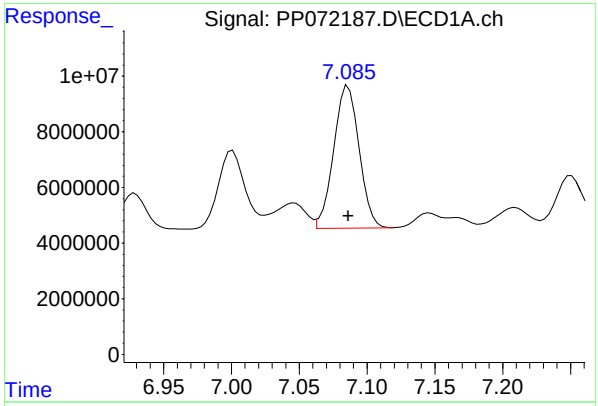

#27 AR-1254-2

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 65552662
Conc: 500.00 ng/ml




#27 AR-1254-2

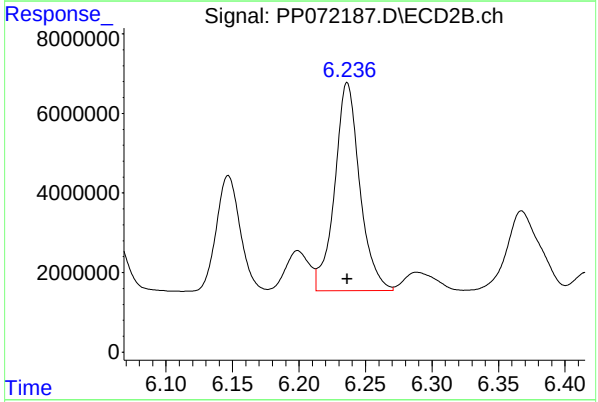
R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 45075919
Conc: 500.00 ng/ml




#28 AR-1254-3

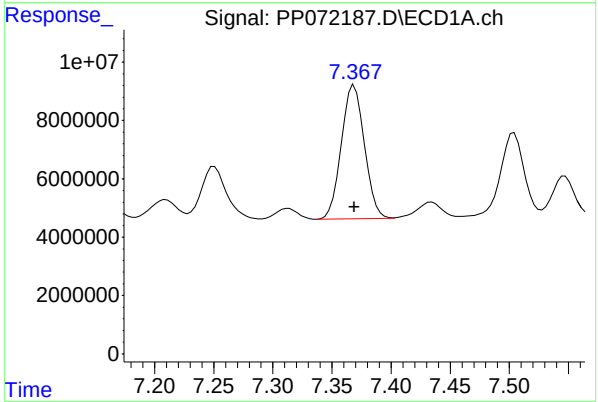
R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 66891427
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



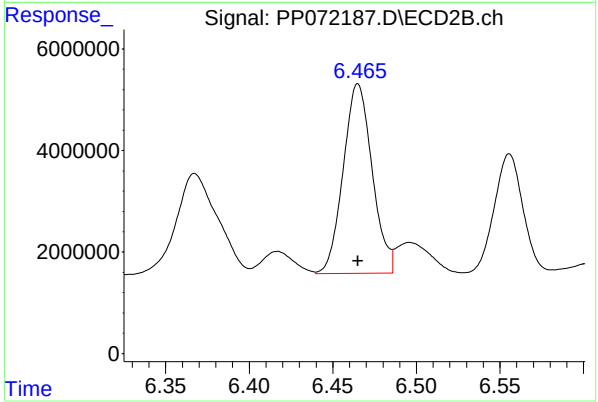

#28 AR-1254-3

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 68786744
Conc: 500.00 ng/ml



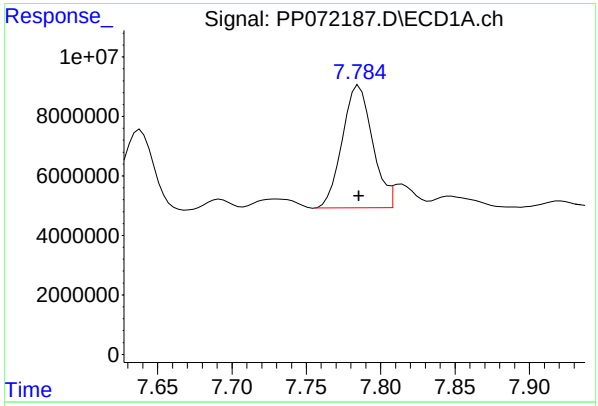

#29 AR-1254-4

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 62209110
Conc: 500.00 ng/ml




#29 AR-1254-4

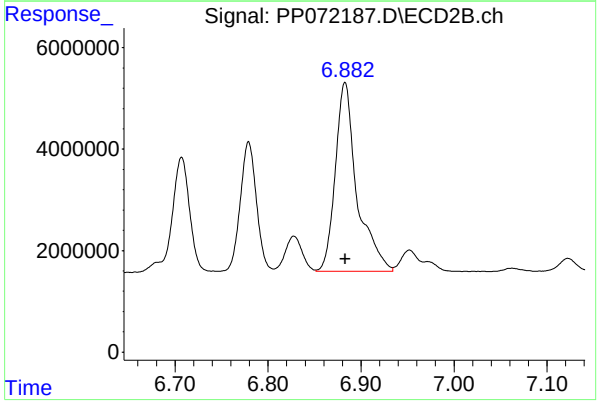
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 45024944
Conc: 500.00 ng/ml




#30 AR-1254-5

R.T.: 7.785 min
Delta R.T.: 0.000 min
Response: 58157609
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500




#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 60253702
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:31
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.798 | 51747510 | 42581151 | 26.134 | 25.594 |
| 2) | SA Decachlor... | 10.215 | 8.825 | 42700529 | 30290967 | 25.932 | 27.218 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.506 | 5.685 | 22921007 | 27395223 | 268.725 | 278.433 |
| 27) | L6 AR-1254-2 | 6.722 | 5.833 | 33636773 | 23446738 | 263.485 | 277.554 |
| 28) | L6 AR-1254-3 | 7.085 | 6.237 | 34246078 | 35238769 | 261.967 | 270.959 |
| 29) | L6 AR-1254-4 | 7.369 | 6.465 | 34017428 | 23090909 | 274.698 | 272.930 |
| 30) | L6 AR-1254-5 | 7.785 | 6.883 | 29284530 | 30214333 | 258.327 | 264.854 |

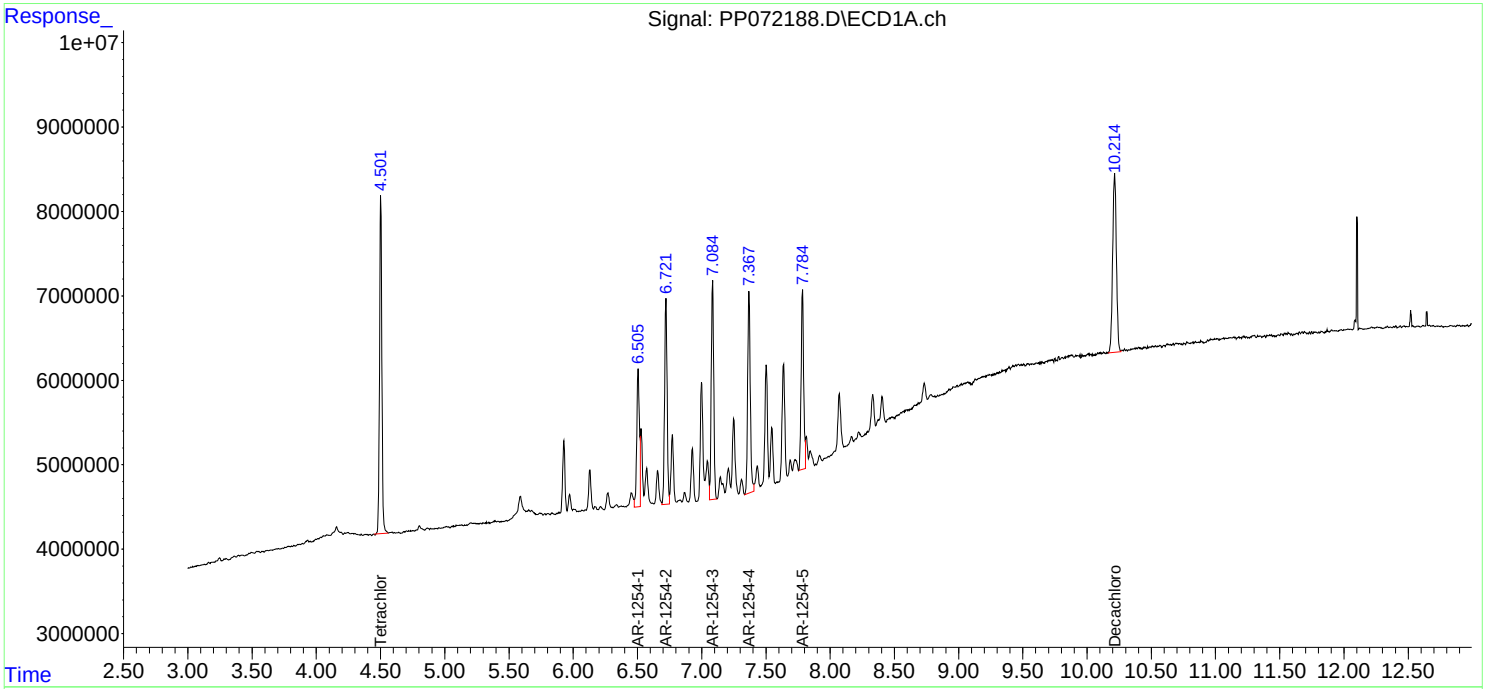
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

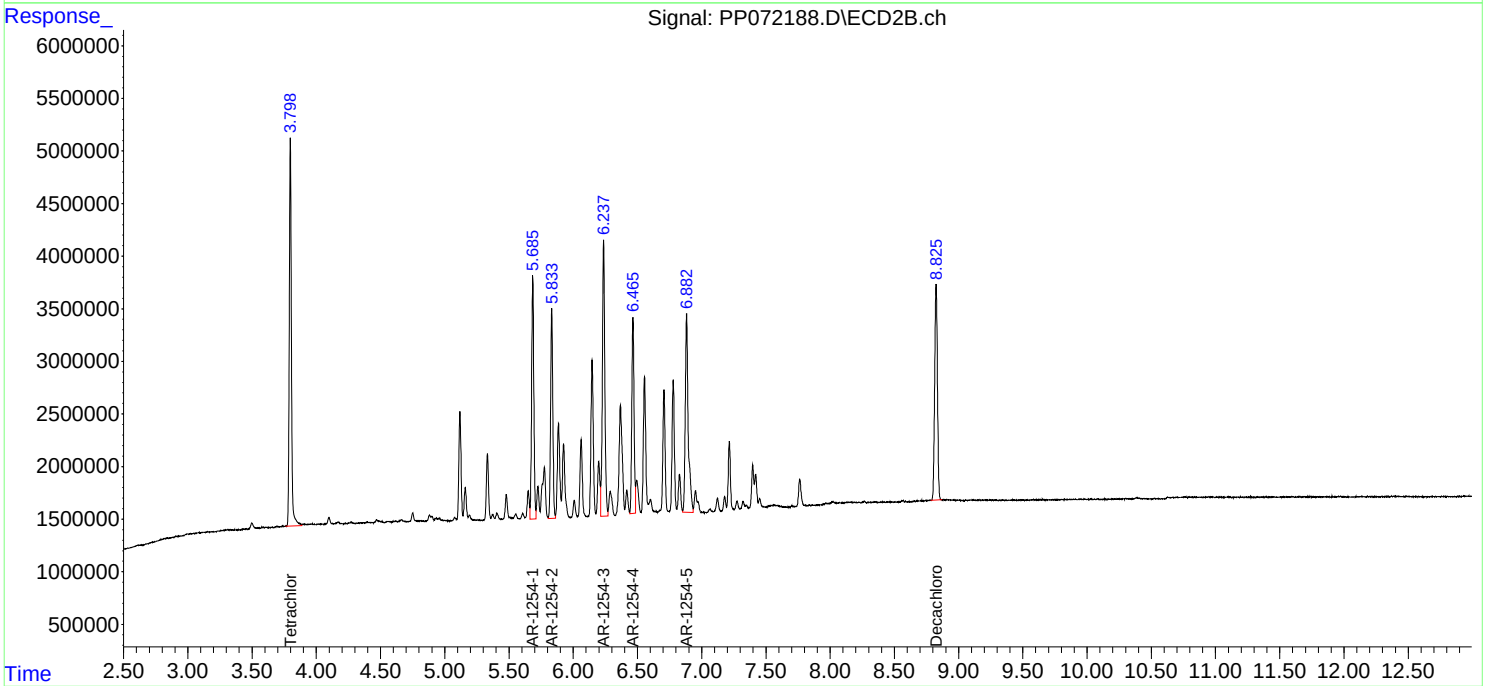
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:31
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

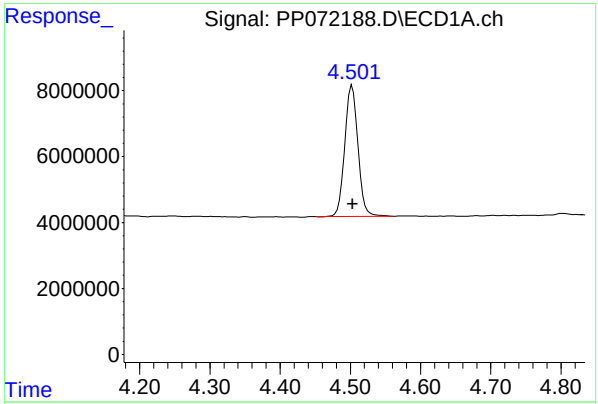
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



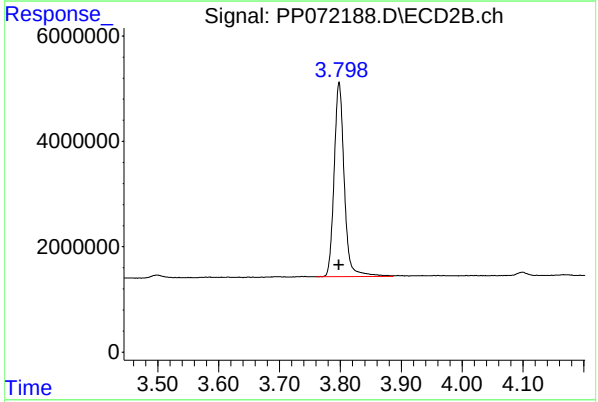






#1 Tetrachloro-m-xylene

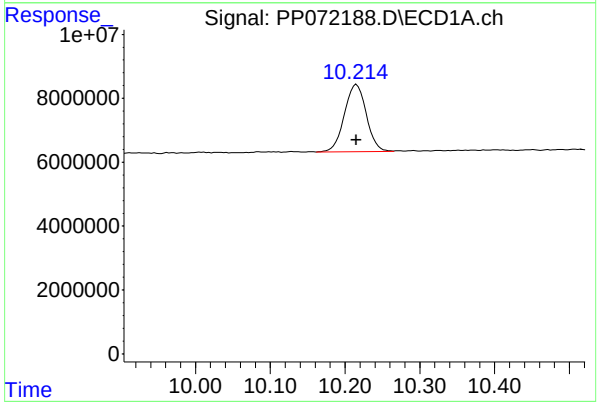
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 51747510
Conc: 26.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



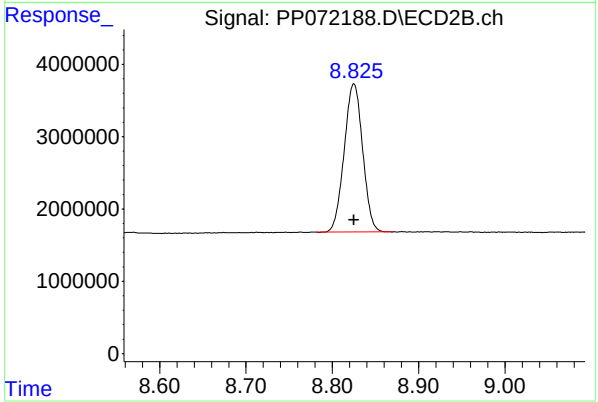

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 42581151
Conc: 25.59 ng/ml



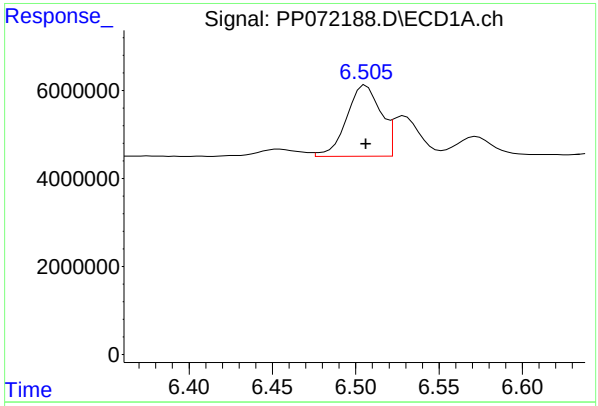

#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 42700529
Conc: 25.93 ng/ml




#2 Decachlorobiphenyl

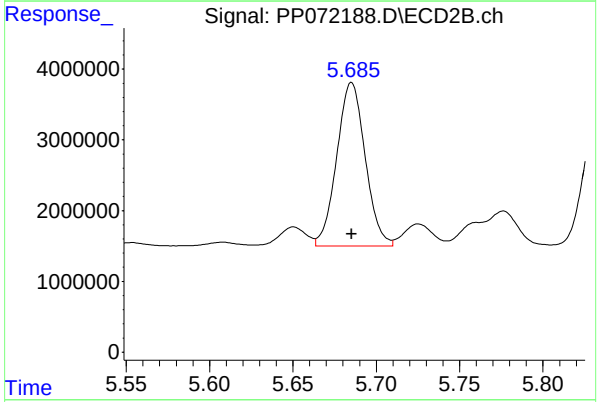
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 30290967
Conc: 27.22 ng/ml




#26 AR-1254-1

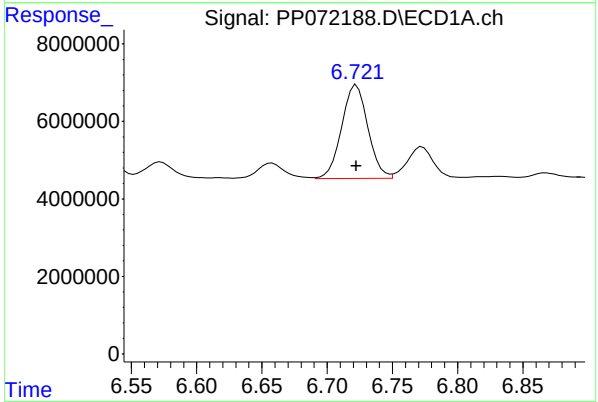
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 22921007
Conc: 268.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



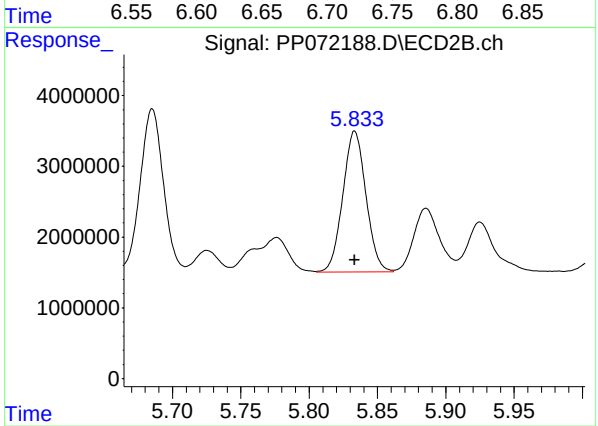

#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 27395223
Conc: 278.43 ng/ml



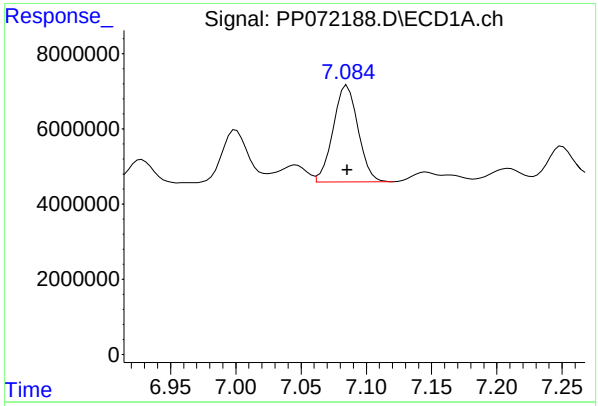

#27 AR-1254-2

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 33636773
Conc: 263.48 ng/ml




#27 AR-1254-2

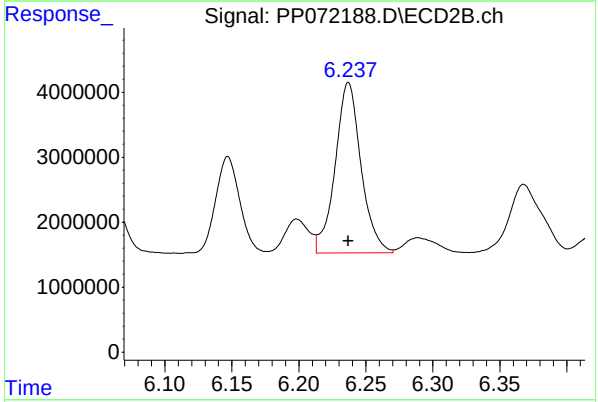
R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 23446738
Conc: 277.55 ng/ml




#28 AR-1254-3

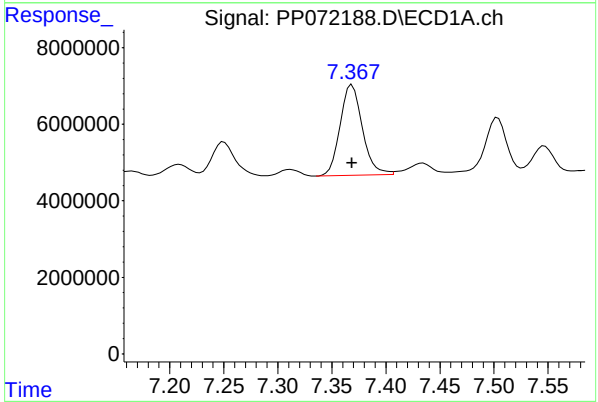
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 34246078
Conc: 261.97 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



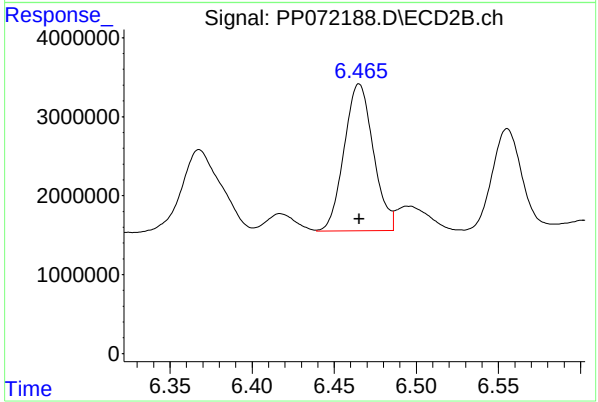

#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 35238769
Conc: 270.96 ng/ml



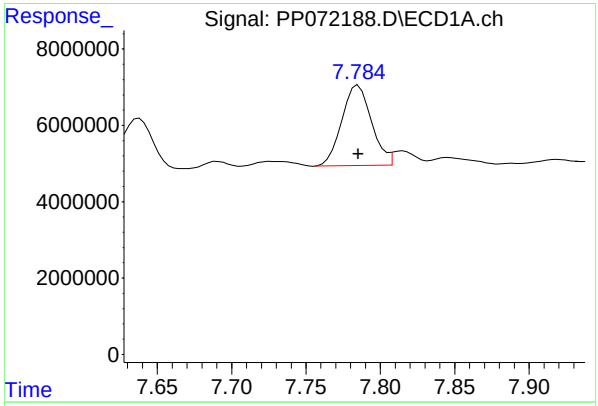

#29 AR-1254-4

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 34017428
Conc: 274.70 ng/ml




#29 AR-1254-4

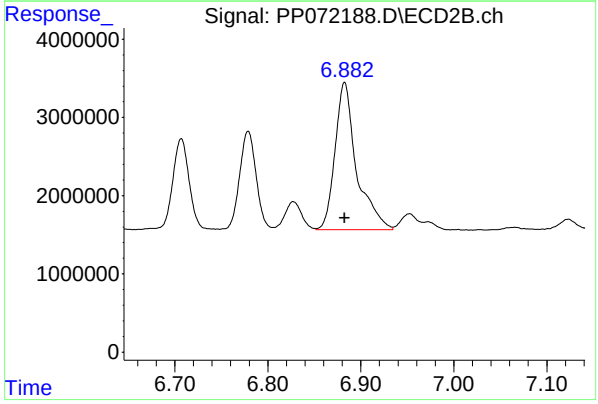
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 23090909
Conc: 272.93 ng/ml




#30 AR-1254-5

R.T.: 7.785 min
Delta R.T.: 0.000 min
Response: 29284530
Conc: 258.33 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250




#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 30214333
Conc: 264.85 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.797 | 8087682 | 6971899 | 4.231m | 4.331m |
| 2) | SA Decachlor... | 10.218 | 8.826 | 7375422 | 5691115 | 4.574 | 5.091 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.507 | 5.686 | 4441722 | 5310413 | 51.935m | 53.128 |
| 27) | L6 AR-1254-2 | 6.724 | 5.834 | 7137094 | 4681467 | 54.616 | 54.242 |
| 28) | L6 AR-1254-3 | 7.088 | 6.237 | 6855410 | 6144757 | 51.934 | 47.774 |
| 29) | L6 AR-1254-4 | 7.370 | 6.466 | 7860526 | 4403320 | 60.049m | 52.100m |
| 30) | L6 AR-1254-5 | 7.788 | 6.883 | 5139236 | 5522061 | 46.197 | 48.716 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

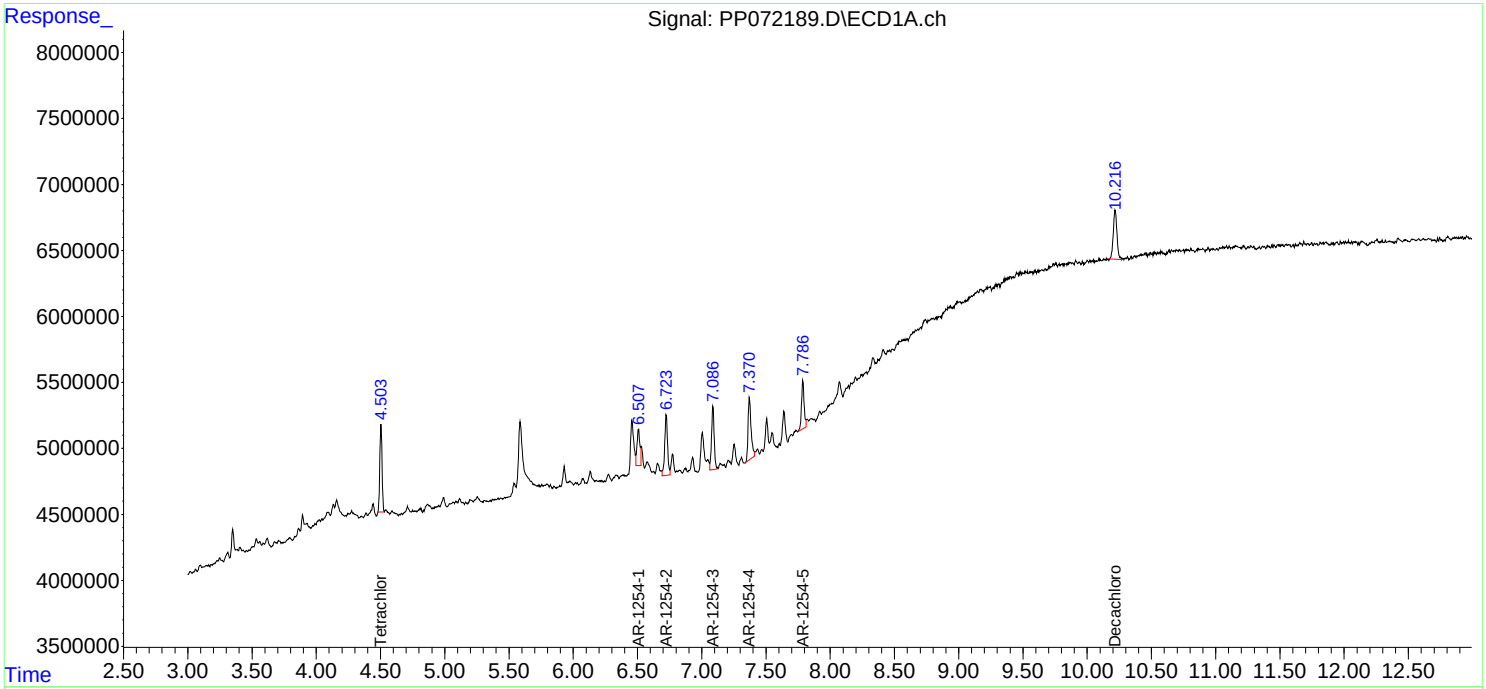
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

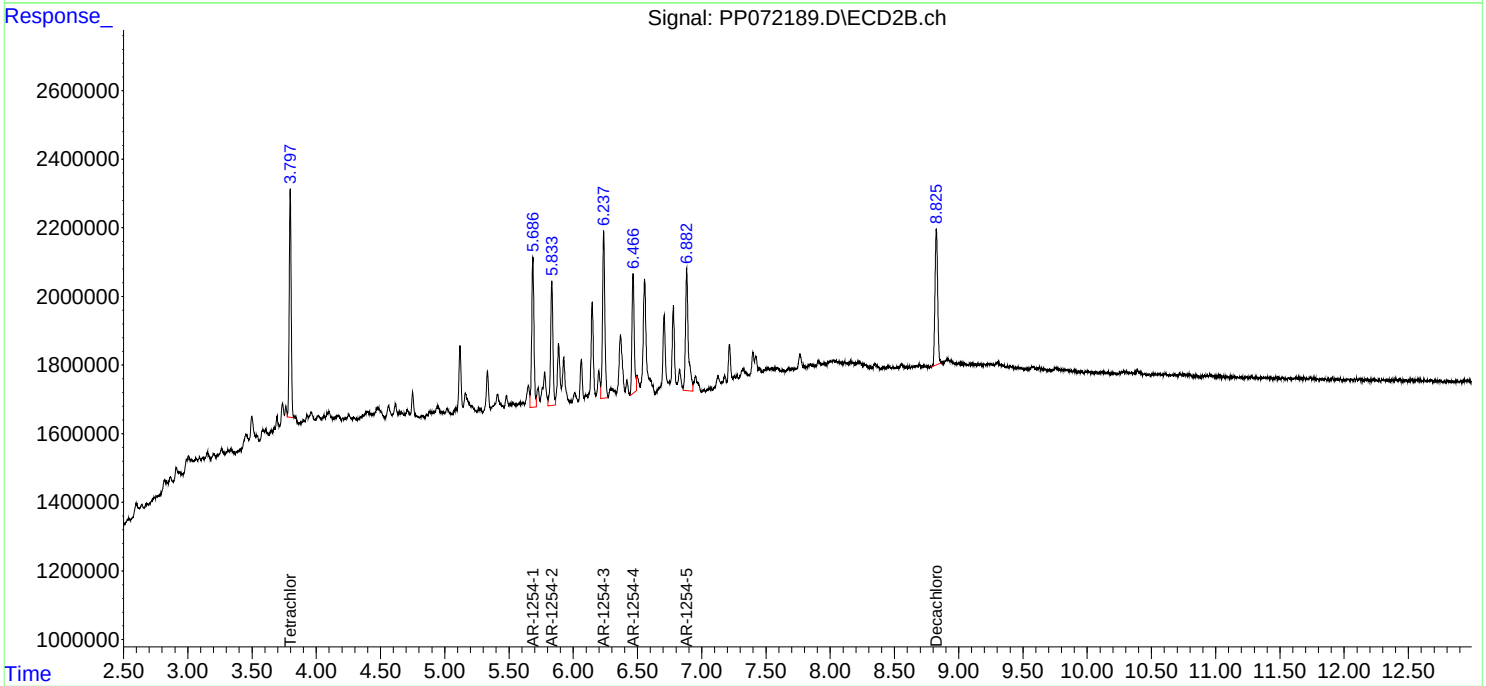
**Manual Integrations APPROVED**

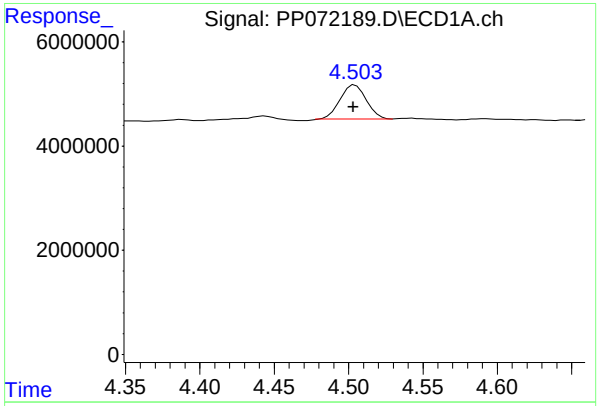
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





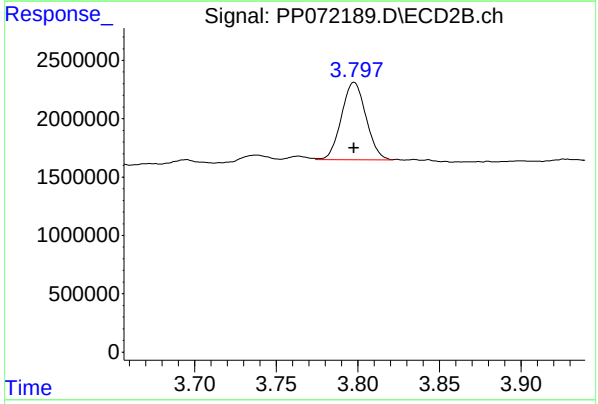

#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.000 mi
Response: 8087682
Conc: 4.23 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

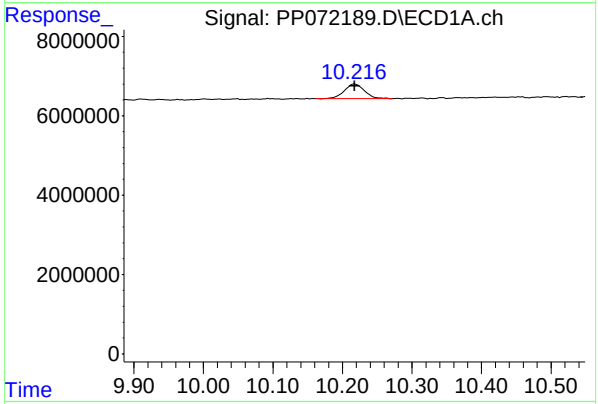
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



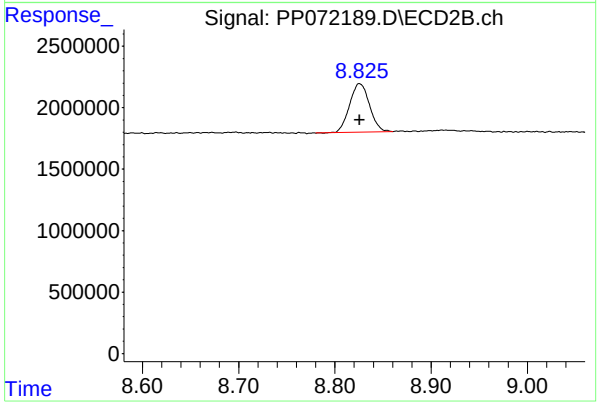

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 6971899
Conc: 4.33 ng/ml m



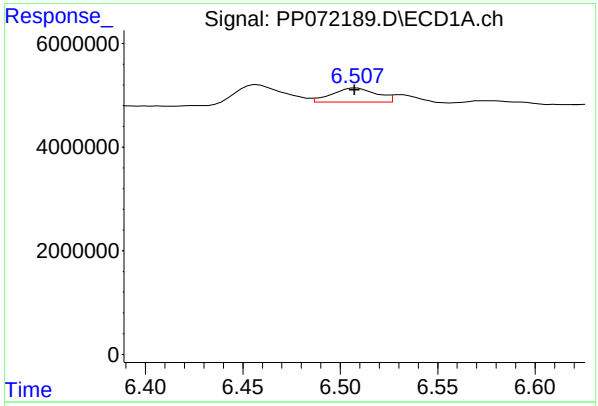

#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 7375422
Conc: 4.57 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 5691115
Conc: 5.09 ng/ml



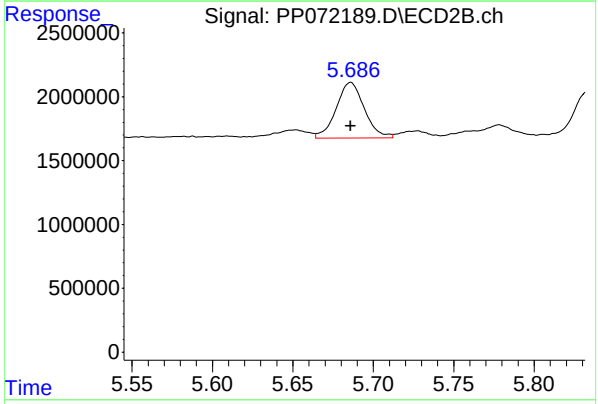

#26 AR-1254-1

R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 4441722
Conc: 51.93 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

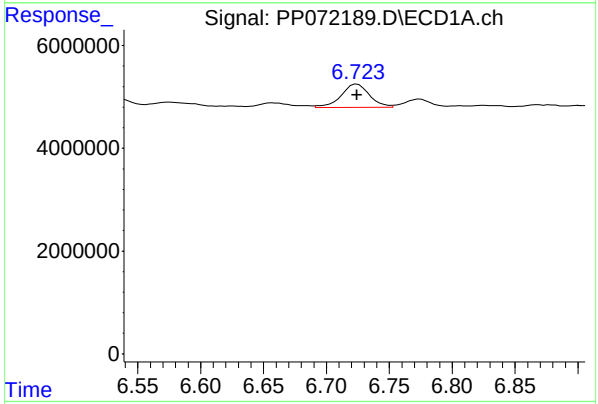
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



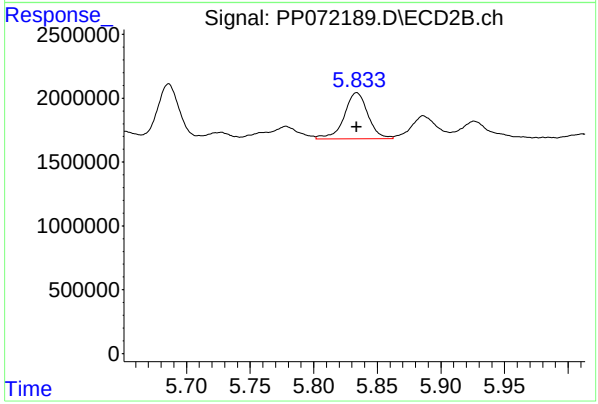

#26 AR-1254-1

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 5310413
Conc: 53.13 ng/ml



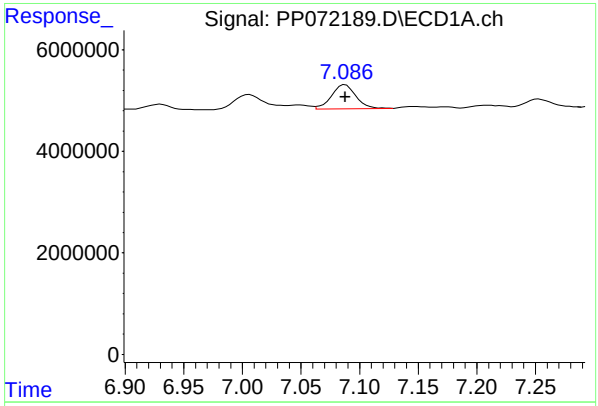

#27 AR-1254-2

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 7137094
Conc: 54.62 ng/ml




#27 AR-1254-2

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 4681467
Conc: 54.24 ng/ml



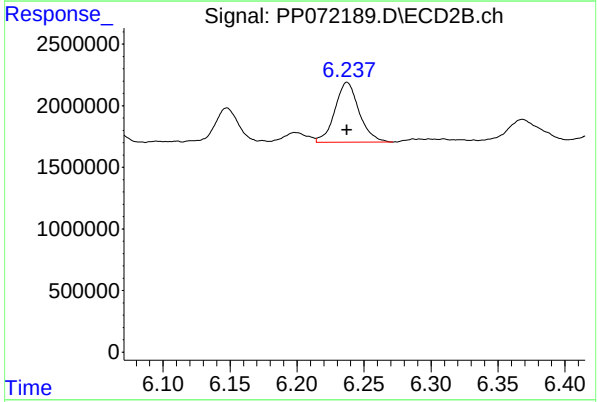

#28 AR-1254-3

R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 6855410
Conc: 51.93 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

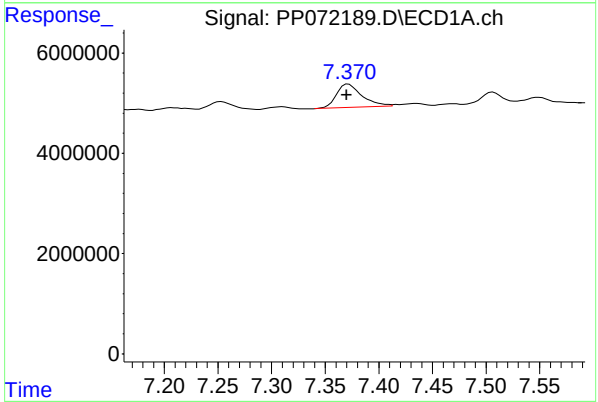
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



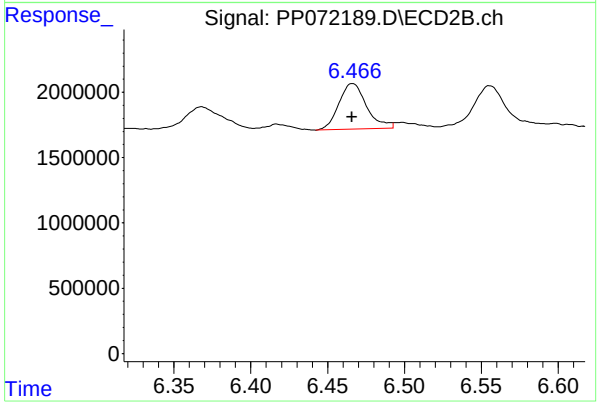

#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 6144757
Conc: 47.77 ng/ml



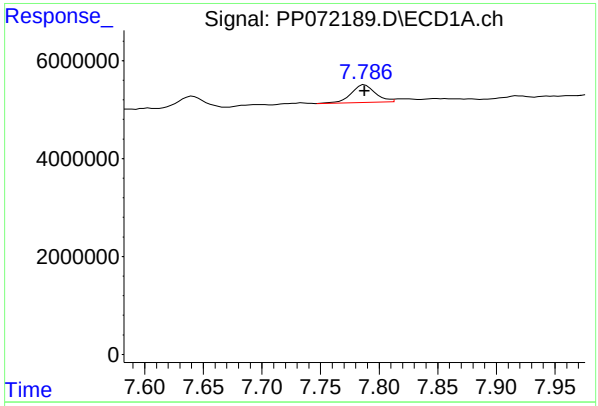

#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 7860526
Conc: 60.05 ng/ml m




#29 AR-1254-4

R.T.: 6.466 min
Delta R.T.: 0.000 min
Response: 4403320
Conc: 52.10 ng/ml m



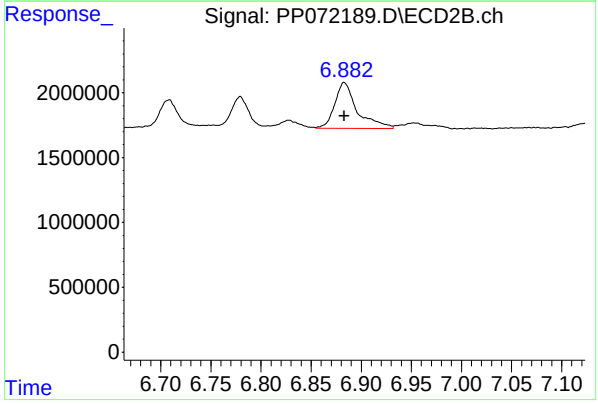

#30 AR-1254-5

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 5139236
Conc: 46.20 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025




#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 5522061
Conc: 48.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:51:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 02:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.798 | 91392014 | 72543788 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.218 | 8.826 | 79498650 | 53689400 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 8.088 | 6.920 | 66622555 | 56514187 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 8.408 | 7.179 | 136.2E6 | 48563462 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 8.724 | 7.703 | 92764853 | 40765600 | 500.000 | 500.000 |
| 39) | L8 AR-1262-4 | 8.809 | 7.767 | 67140472 | 70312088 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 9.464 | 8.267 | 46230270 | 32541912 | 500.000 | 500.000 |

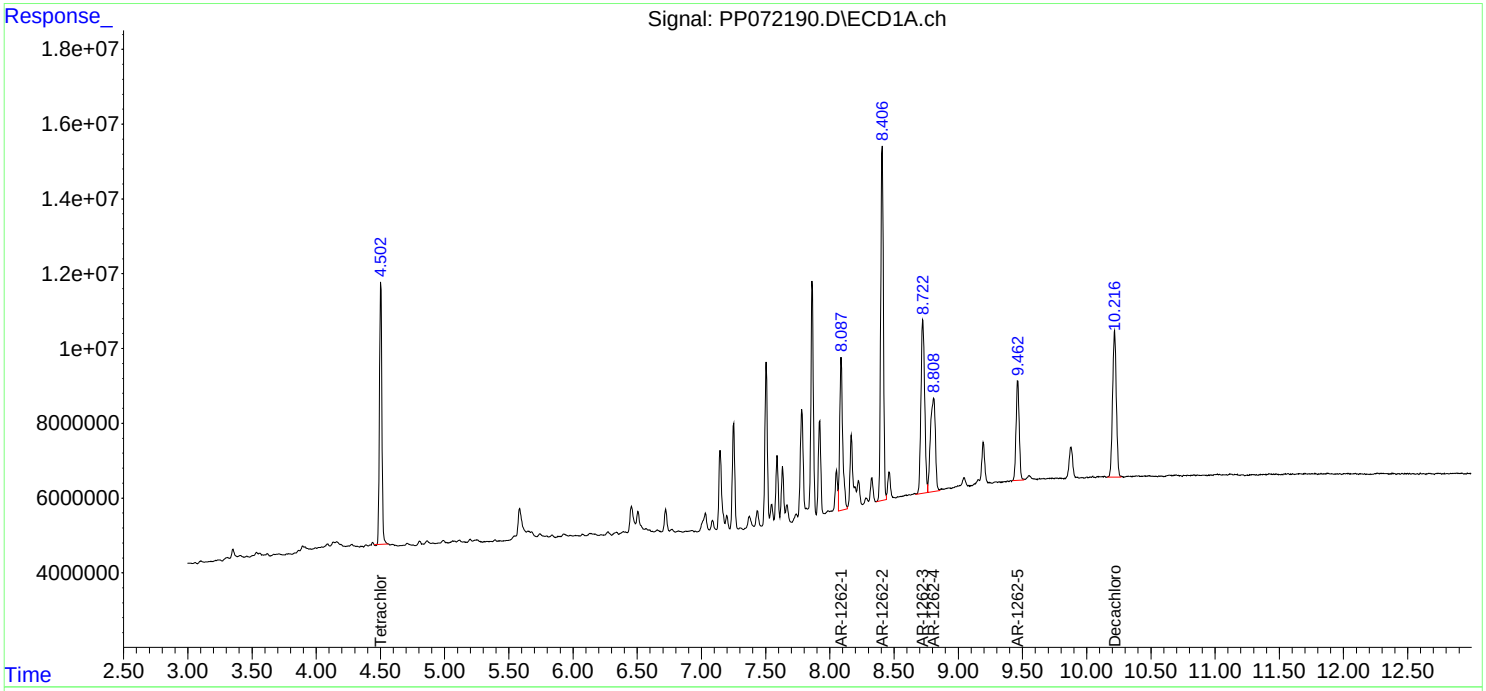
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

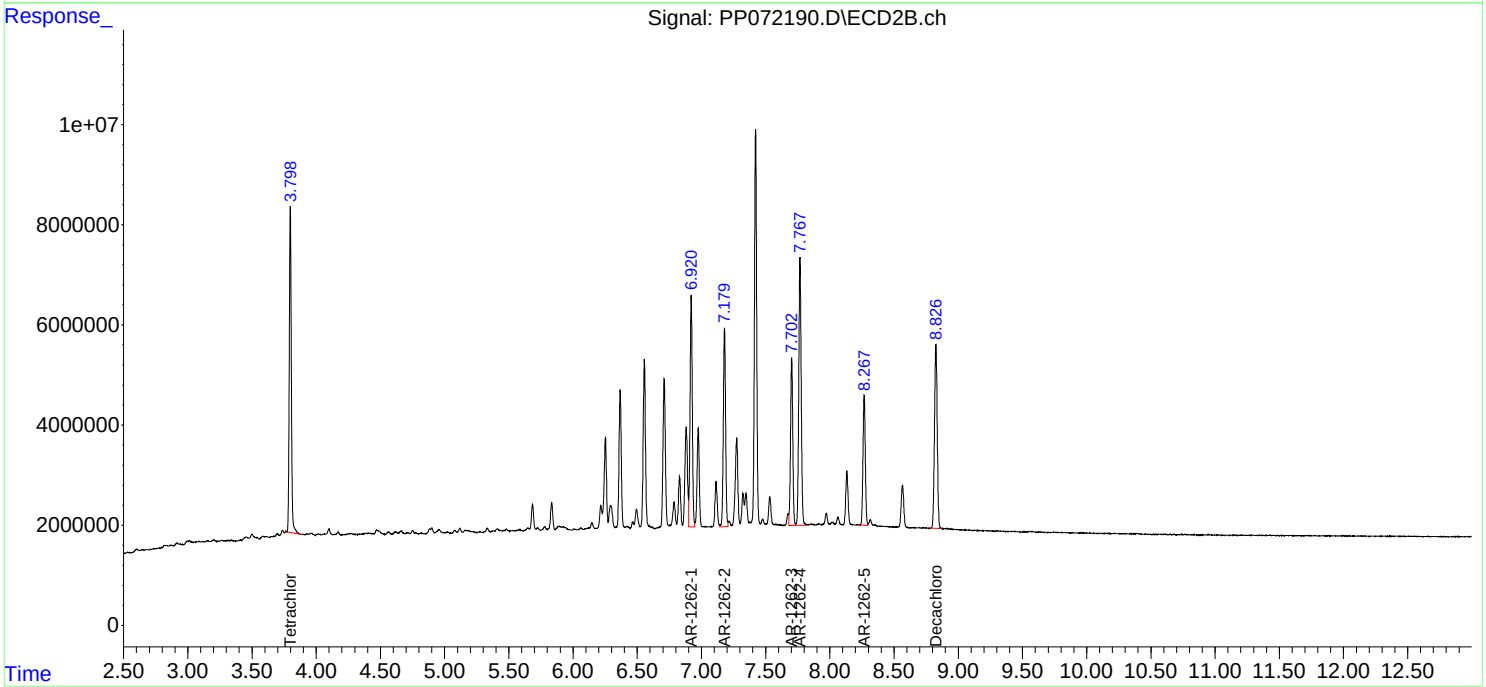
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

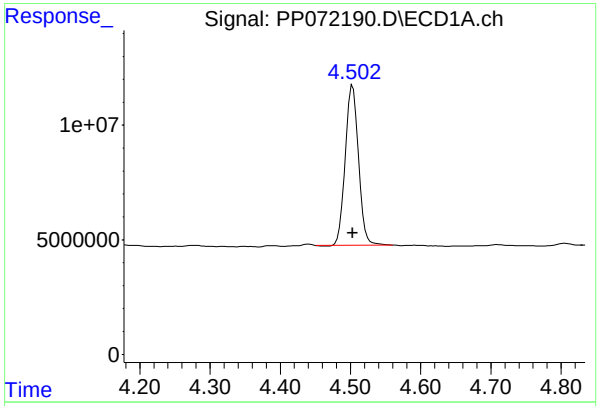
**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:51:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 02:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



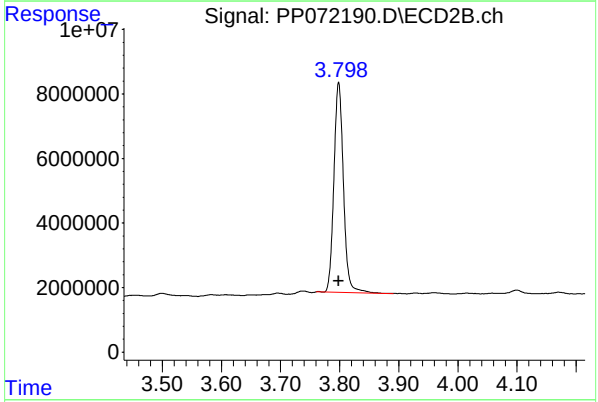






#1 Tetrachloro-m-xylene

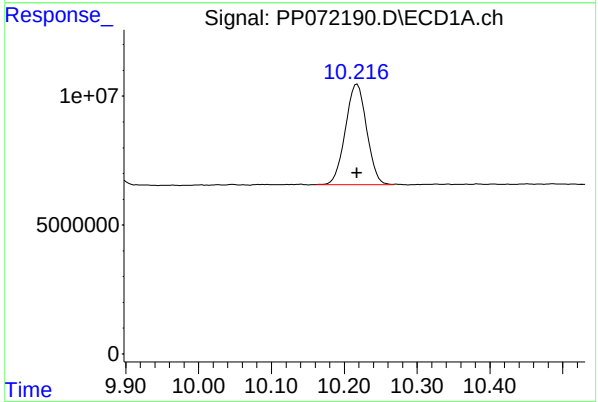
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 91392014
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



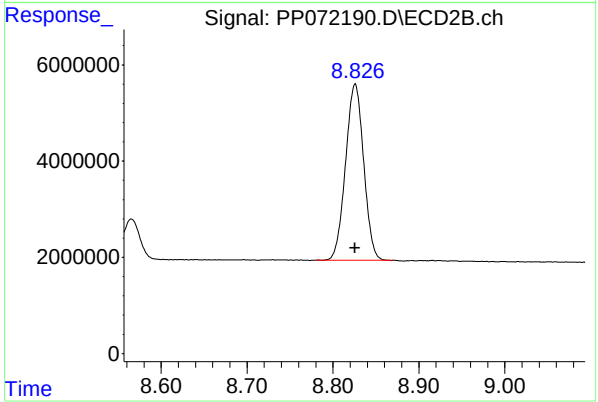

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 72543788
Conc: 50.00 ng/ml



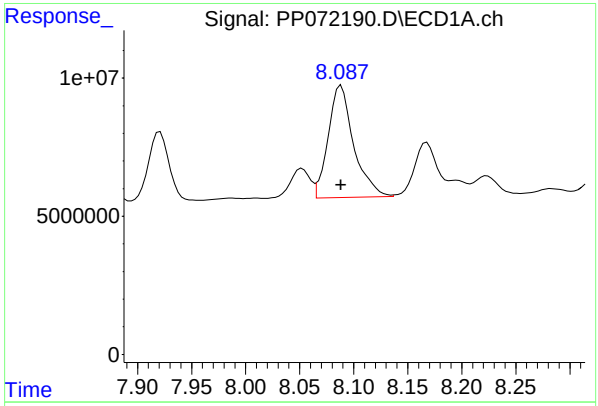

#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 79498650
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

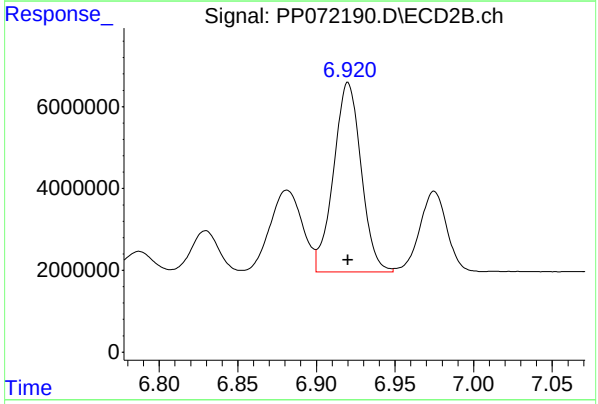
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 53689400
Conc: 50.00 ng/ml




#36 AR-1262-1

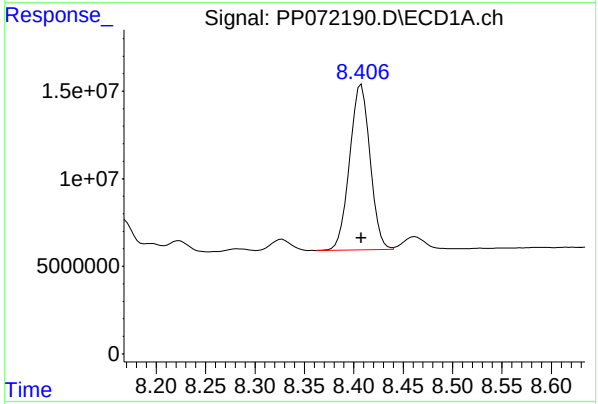
R.T.: 8.088 min
Delta R.T.: 0.000 min
Response: 66622555
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



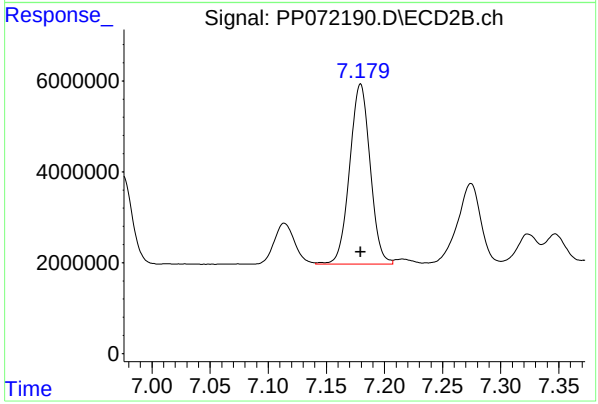

#36 AR-1262-1

R.T.: 6.920 min
Delta R.T.: 0.000 min
Response: 56514187
Conc: 500.00 ng/ml



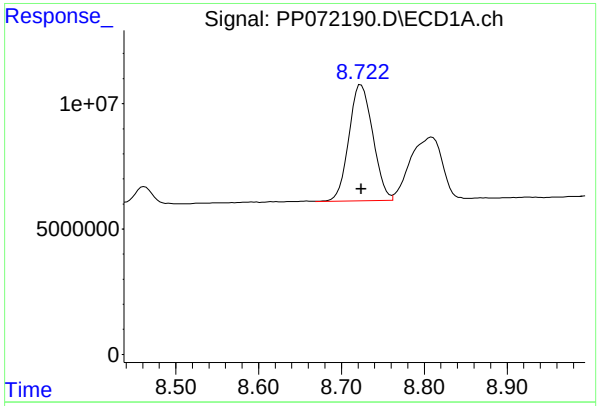

#37 AR-1262-2

R.T.: 8.408 min
Delta R.T.: 0.000 min
Response: 136192585
Conc: 500.00 ng/ml




#37 AR-1262-2

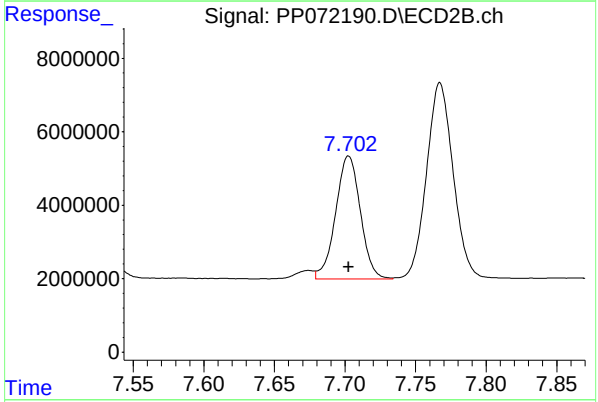
R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 48563462
Conc: 500.00 ng/ml




#38 AR-1262-3

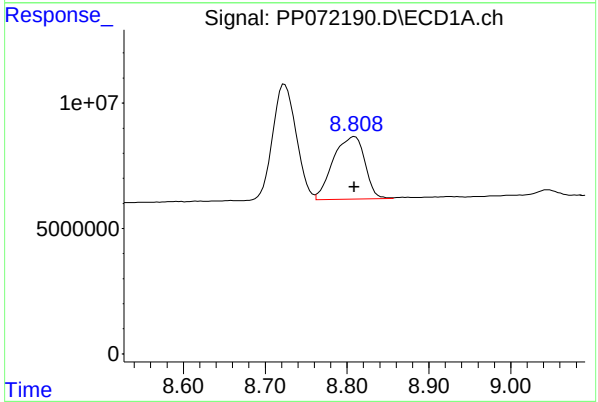
R.T.: 8.724 min
Delta R.T.: 0.000 min
Response: 92764853
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



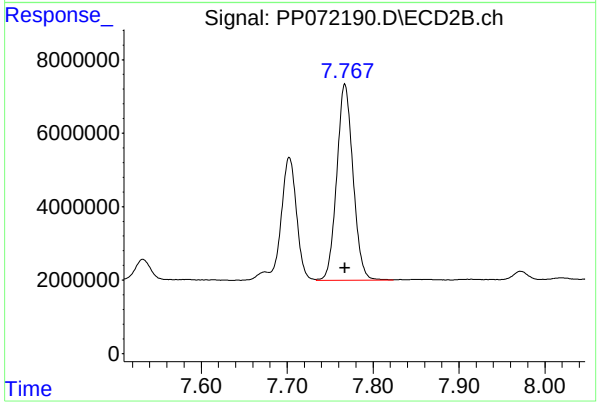

#38 AR-1262-3

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 40765600
Conc: 500.00 ng/ml



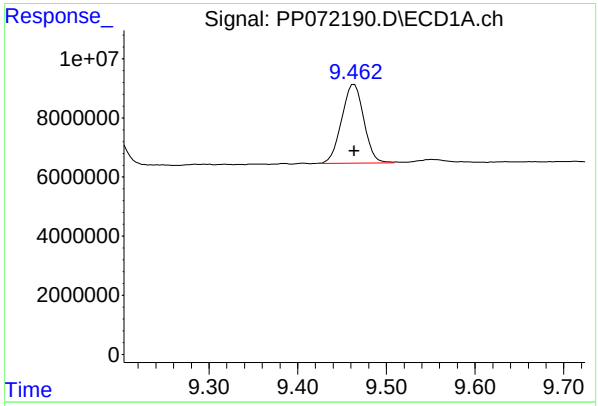

#39 AR-1262-4

R.T.: 8.809 min
Delta R.T.: 0.000 min
Response: 67140472
Conc: 500.00 ng/ml




#39 AR-1262-4

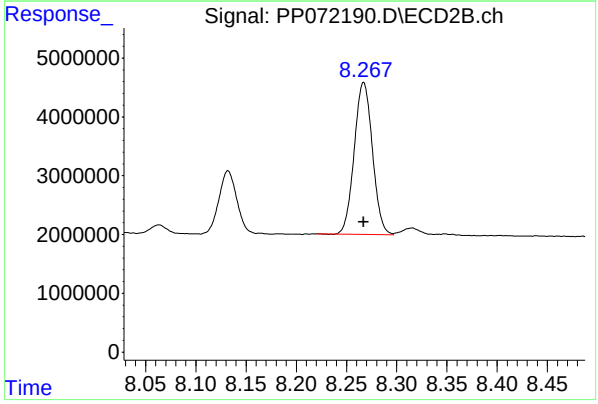
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 70312088
Conc: 500.00 ng/ml




#40 AR-1262-5

R.T.: 9.464 min
Delta R.T.: 0.000 min
Response: 46230270
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500




#40 AR-1262-5

R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 32541912
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:20
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.797 | 185.0E6 | 158.2E6 | 92.680 | 95.879 |
| 2) | SA Decachlor... | 10.215 | 8.825 | 273.4E6 | 175.4E6 | 93.047 | 92.198 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.718 | 7.702 | 315.7E6 | 212.6E6 | 935.036 | 901.670 |
| 42) | L9 AR-1268-2 | 8.810 | 7.768 | 265.9E6 | 188.5E6 | 932.233 | 904.684 |
| 43) | L9 AR-1268-3 | 9.041 | 7.971 | 228.0E6 | 155.2E6 | 921.986 | 888.508 |
| 44) | L9 AR-1268-4 | 9.460 | 8.265 | 101.4E6 | 67370219 | 939.092 | 900.009 |
| 45) | L9 AR-1268-5 | 9.876 | 8.565 | 651.5E6 | 431.1E6 | 948.441 | 943.171 |

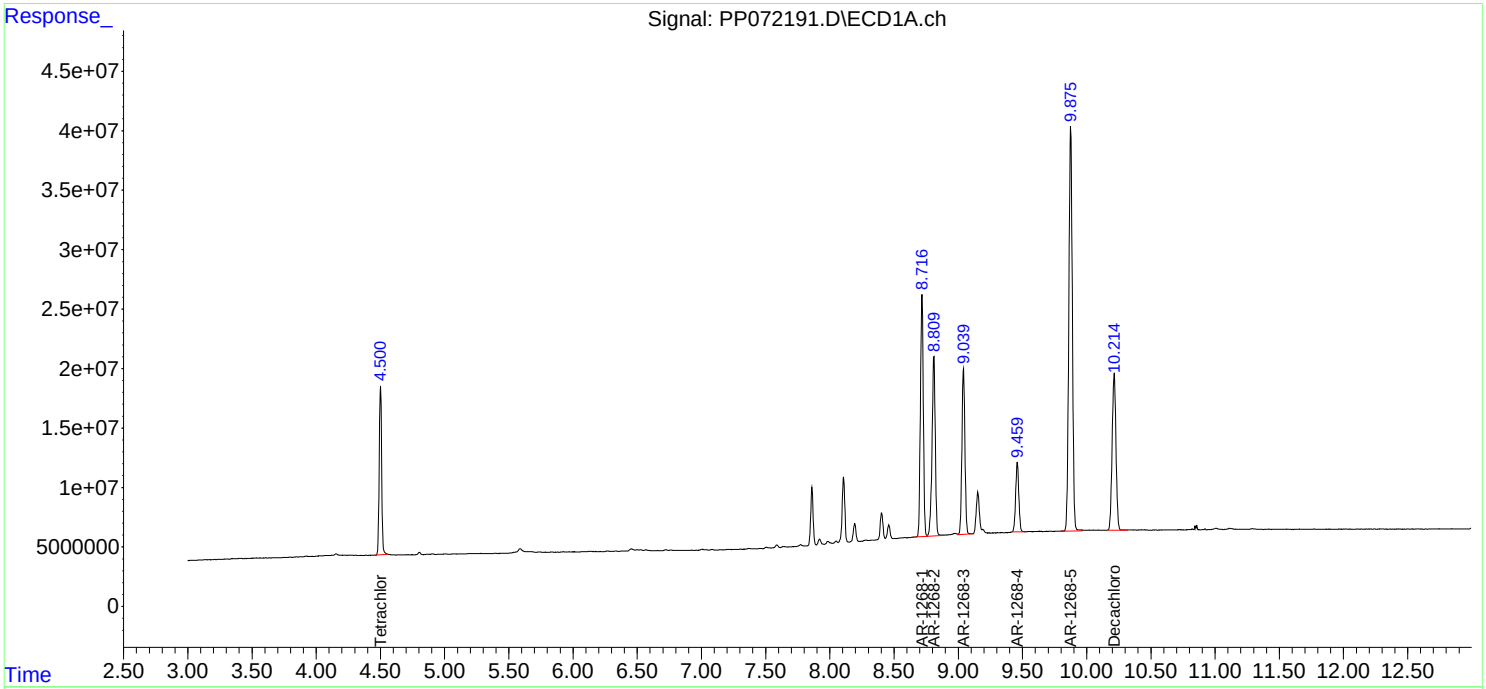
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

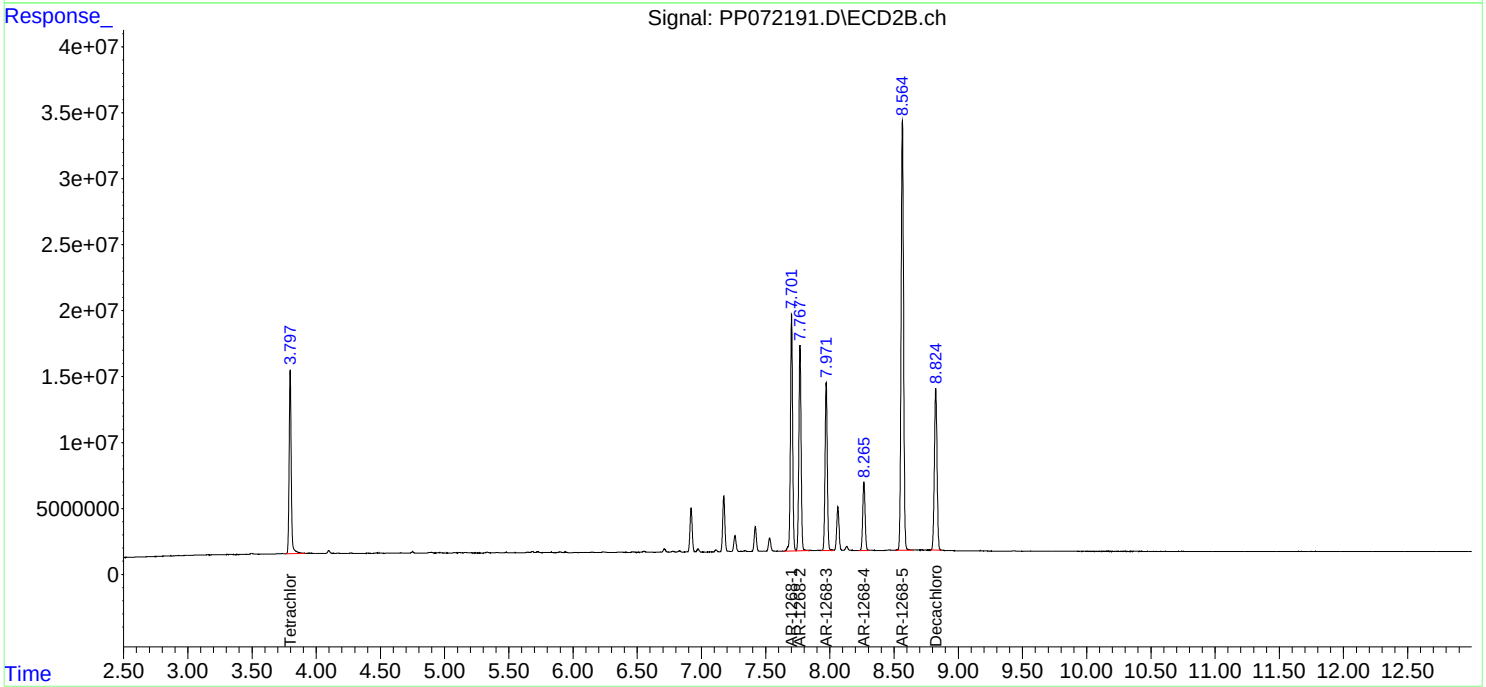
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:20
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

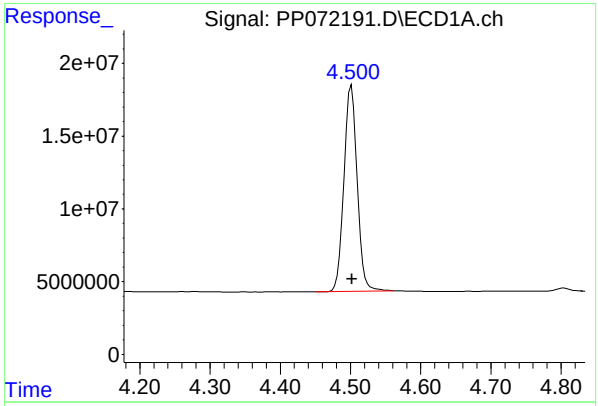
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



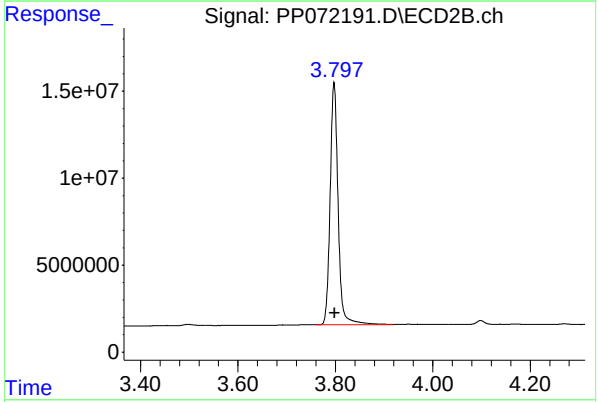






#1 Tetrachloro-m-xylene

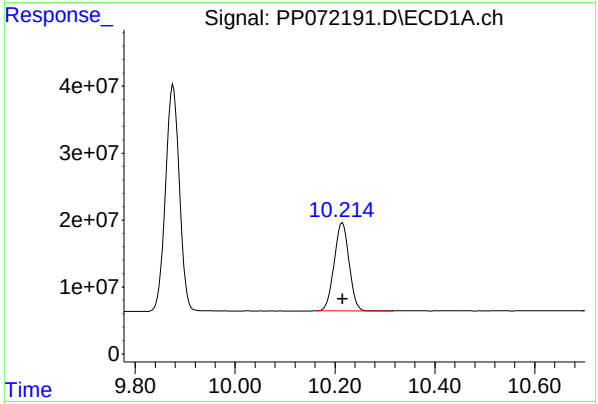
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 184961800
Conc: 92.68 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



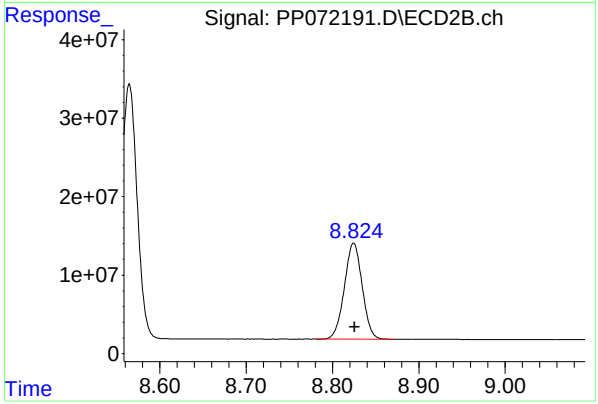

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.001 min
Response: 158165839
Conc: 95.88 ng/ml



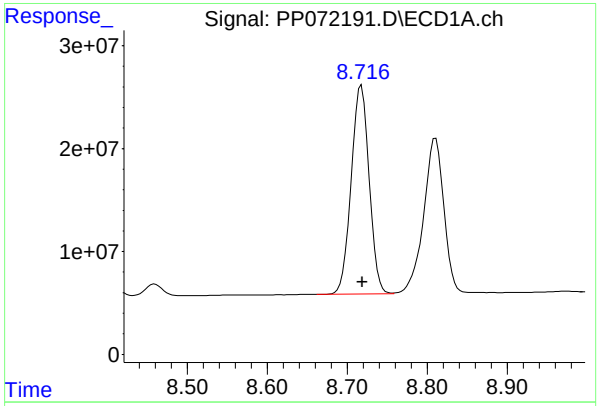

#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 273368545
Conc: 93.05 ng/ml




#2 Decachlorobiphenyl

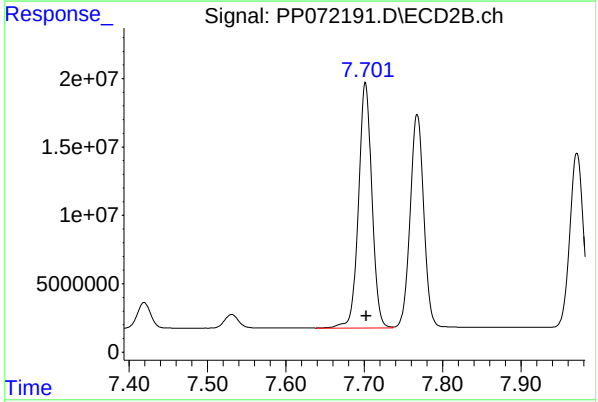
R.T.: 8.825 min
Delta R.T.: -0.001 min
Response: 175397326
Conc: 92.20 ng/ml




#41 AR-1268-1

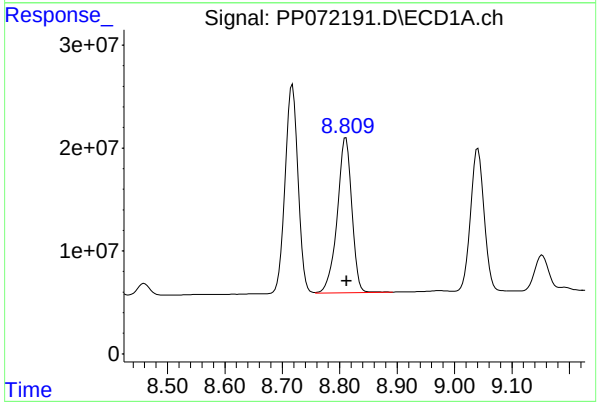
R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 315692357
Conc: 935.04 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



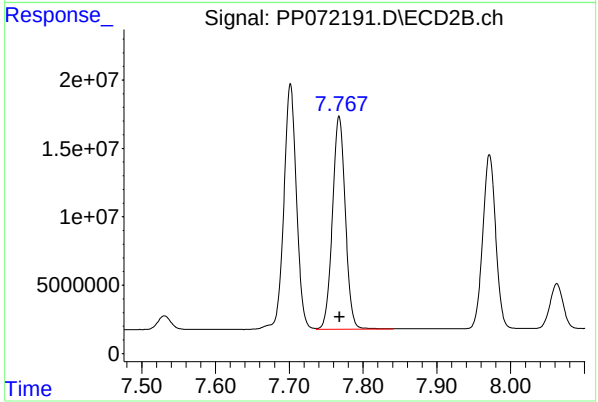

#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: -0.001 min
Response: 212587803
Conc: 901.67 ng/ml



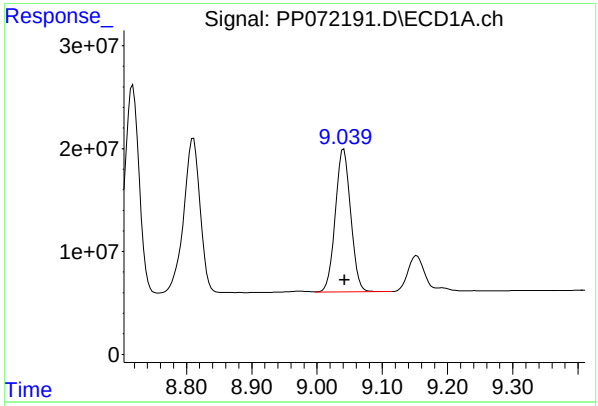

#42 AR-1268-2

R.T.: 8.810 min
Delta R.T.: -0.001 min
Response: 265886956
Conc: 932.23 ng/ml




#42 AR-1268-2

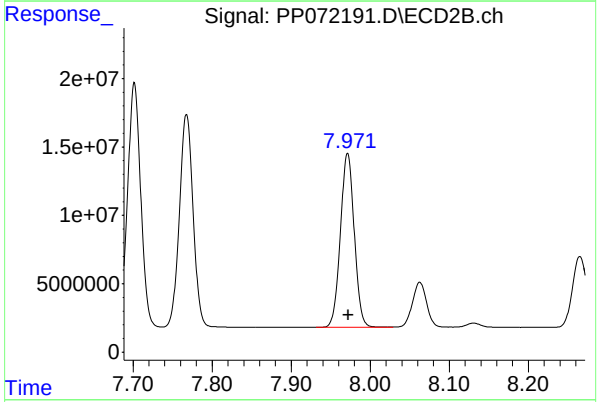
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 188526781
Conc: 904.68 ng/ml




#43 AR-1268-3

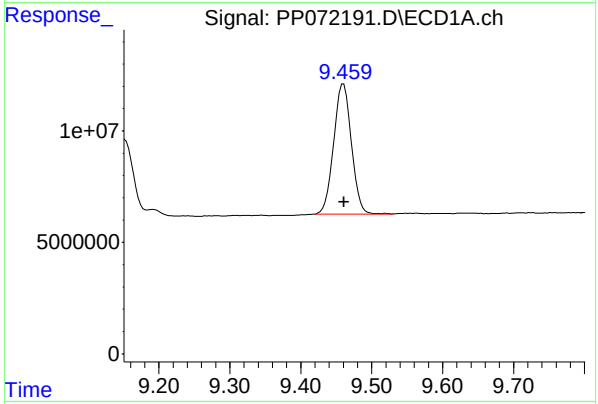
R.T.: 9.041 min
Delta R.T.: -0.001 min
Response: 227961300
Conc: 921.99 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



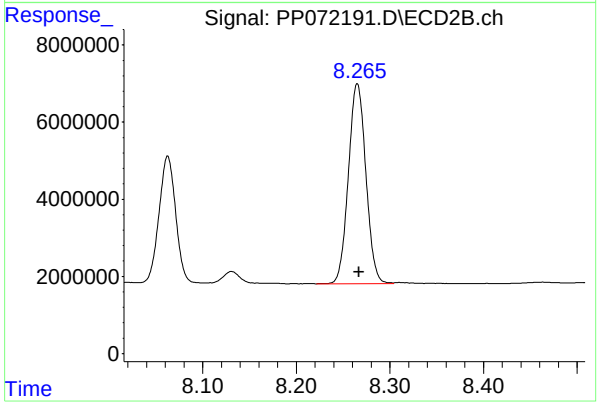

#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 155195263
Conc: 888.51 ng/ml



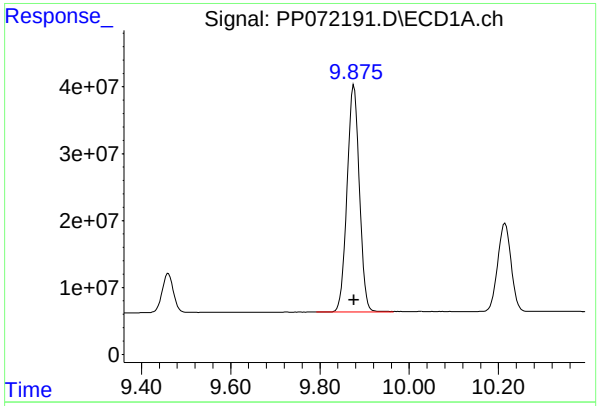

#44 AR-1268-4

R.T.: 9.460 min
Delta R.T.: 0.000 min
Response: 101392203
Conc: 939.09 ng/ml




#44 AR-1268-4

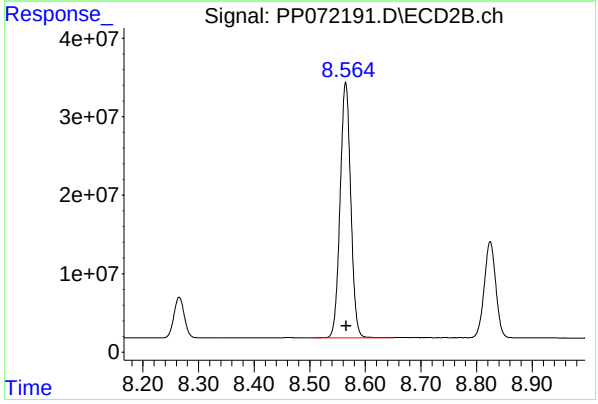
R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 67370219
Conc: 900.01 ng/ml




#45 AR-1268-5

R.T.: 9.876 min
Delta R.T.: 0.000 mi
Response: 651541042
Conc: 948.44 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000




#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 431064337
Conc: 943.17 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.506 | 3.799 | 142.5E6 | 120.3E6 | 71.406 | 72.929 |
| 2) | SA Decachlor... | 10.220 | 8.826 | 211.2E6 | 136.5E6 | 71.876 | 71.762 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.722 | 7.704 | 242.2E6 | 166.8E6 | 717.436 | 707.258 |
| 42) | L9 AR-1268-2 | 8.815 | 7.770 | 204.3E6 | 147.7E6 | 716.226 | 708.741 |
| 43) | L9 AR-1268-3 | 9.047 | 7.973 | 176.3E6 | 120.8E6 | 713.088 | 691.459 |
| 44) | L9 AR-1268-4 | 9.464 | 8.267 | 78574325 | 53264333 | 727.753 | 711.566 |
| 45) | L9 AR-1268-5 | 9.880 | 8.568 | 500.4E6 | 332.1E6 | 728.402 | 726.669 |

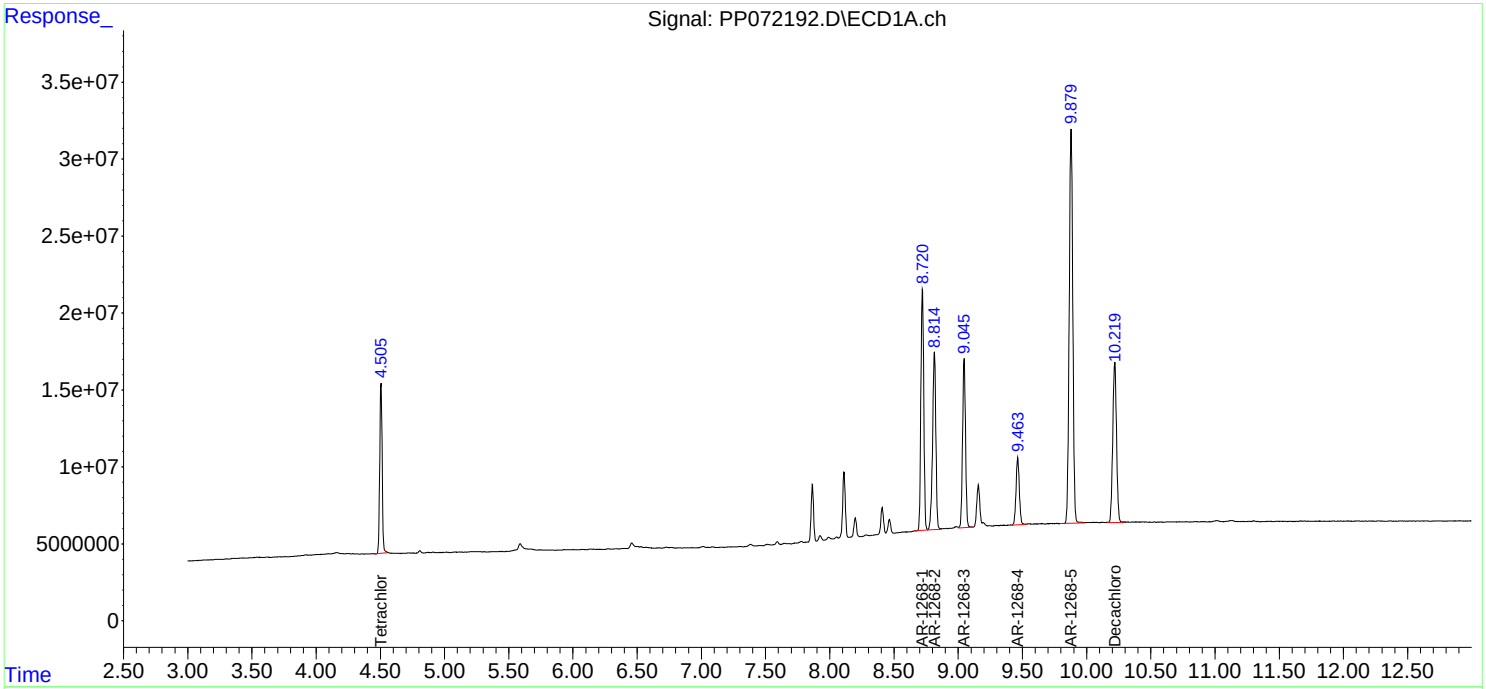
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

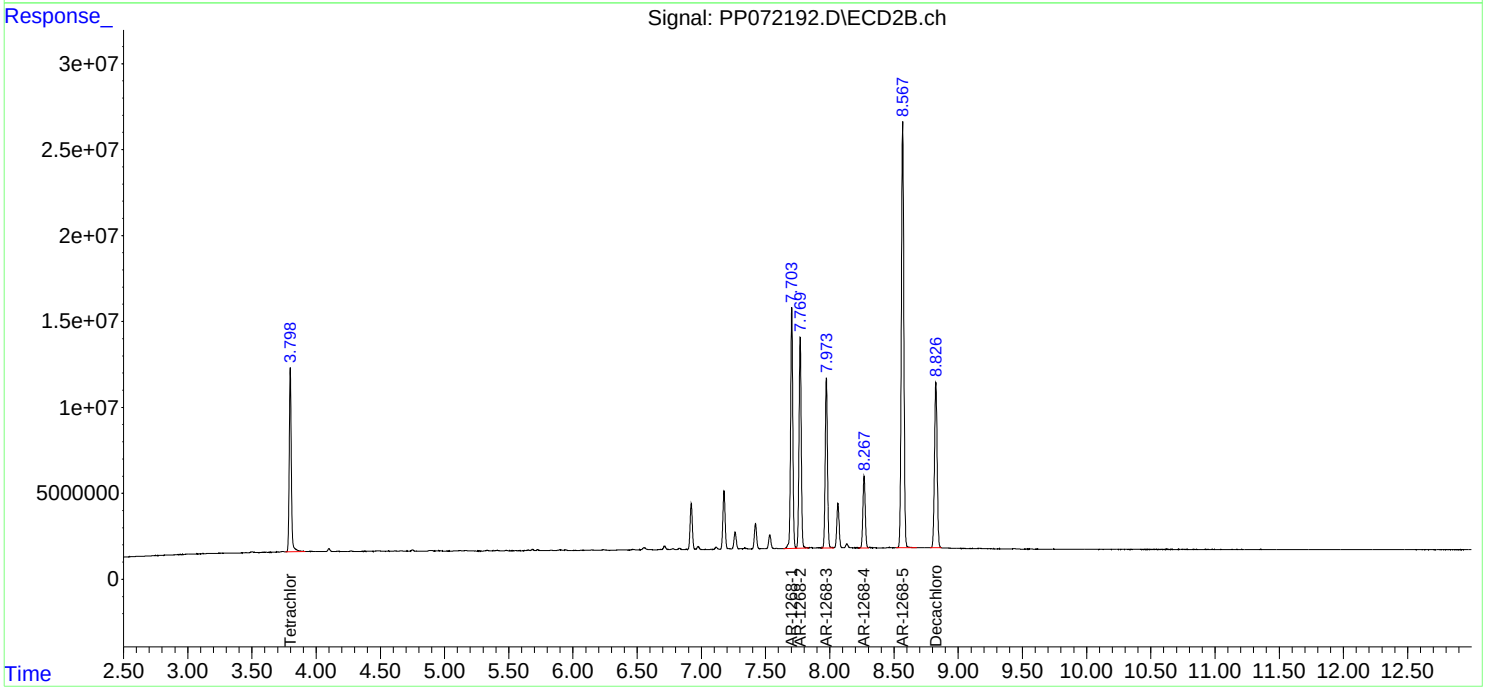
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

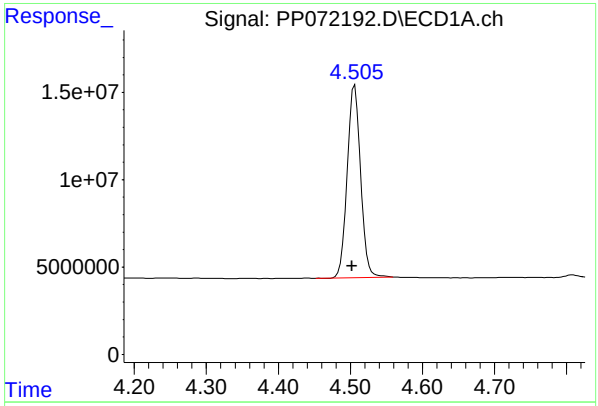
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



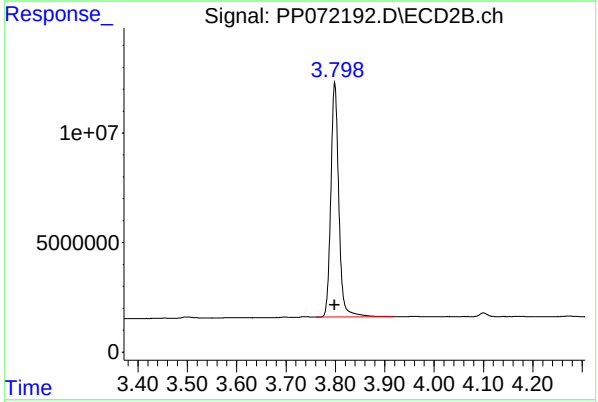






#1 Tetrachloro-m-xylene

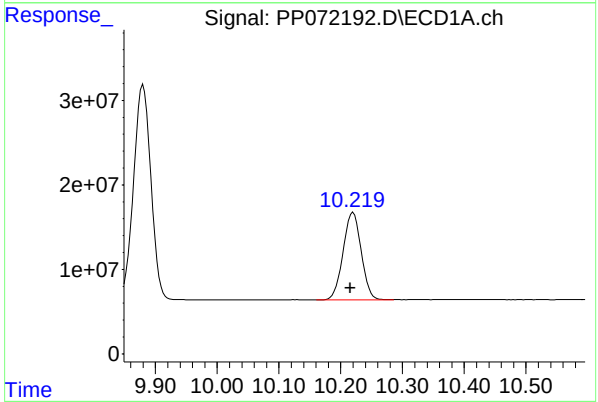
R.T.: 4.506 min
Delta R.T.: 0.004 min
Response: 142504902
Conc: 71.41 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



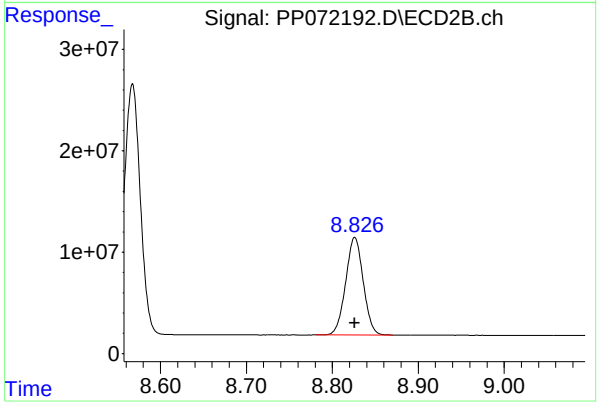

#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 120307124
Conc: 72.93 ng/ml



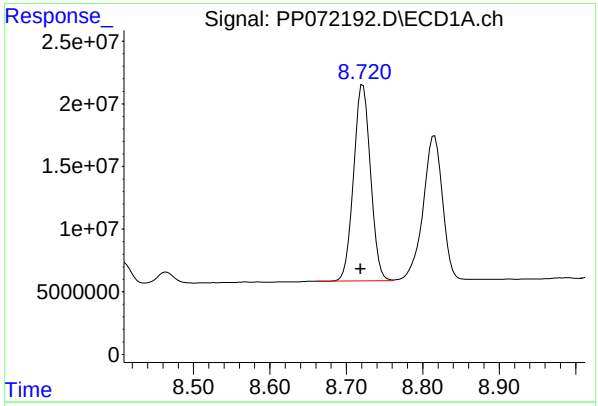

#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.005 min
Response: 211169941
Conc: 71.88 ng/ml




#2 Decachlorobiphenyl

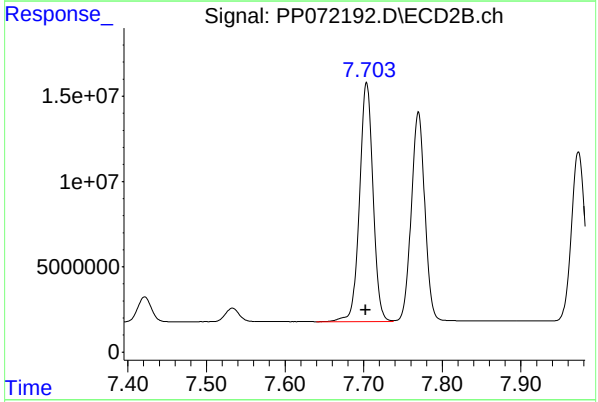
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 136520834
Conc: 71.76 ng/ml




#41 AR-1268-1

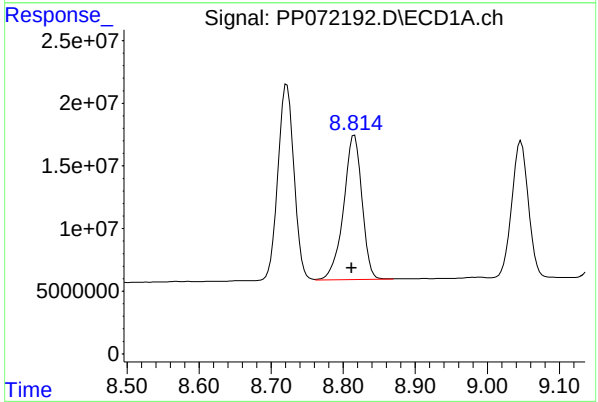
R.T.: 8.722 min
Delta R.T.: 0.003 min
Response: 242225120
Conc: 717.44 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



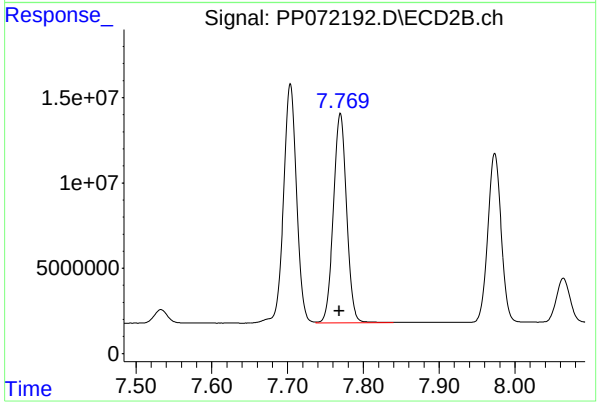

#41 AR-1268-1

R.T.: 7.704 min
Delta R.T.: 0.001 min
Response: 166751127
Conc: 707.26 ng/ml



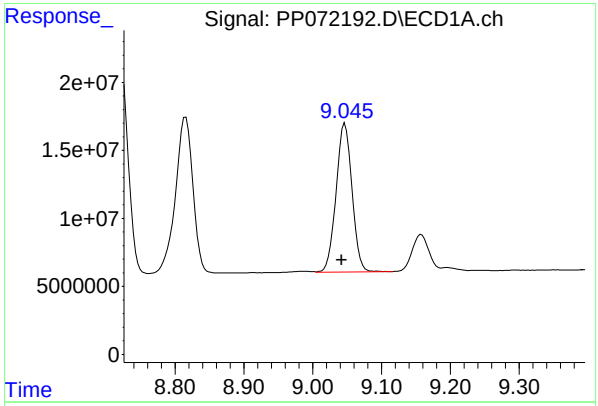

#42 AR-1268-2

R.T.: 8.815 min
Delta R.T.: 0.004 min
Response: 204278488
Conc: 716.23 ng/ml




#42 AR-1268-2

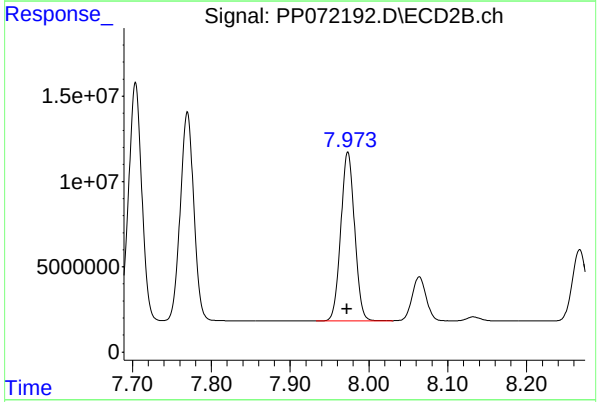
R.T.: 7.770 min
Delta R.T.: 0.001 min
Response: 147694337
Conc: 708.74 ng/ml




#43 AR-1268-3

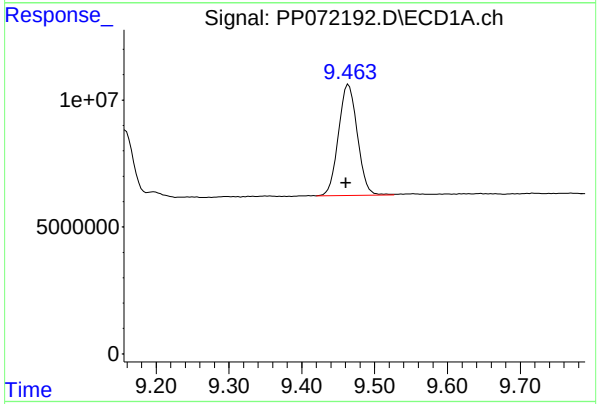
R.T.: 9.047 min
Delta R.T.: 0.005 min
Response: 176311244
Conc: 713.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



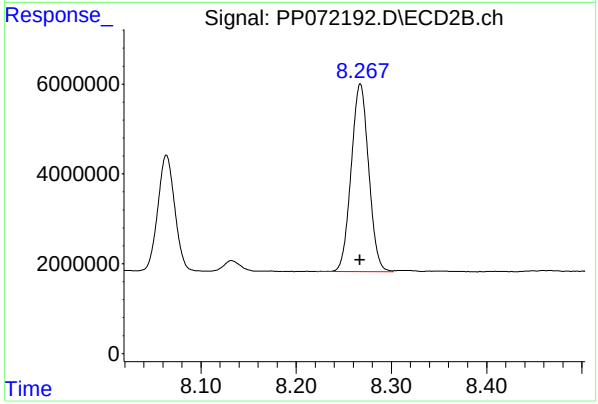

#43 AR-1268-3

R.T.: 7.973 min
Delta R.T.: 0.001 min
Response: 120776777
Conc: 691.46 ng/ml



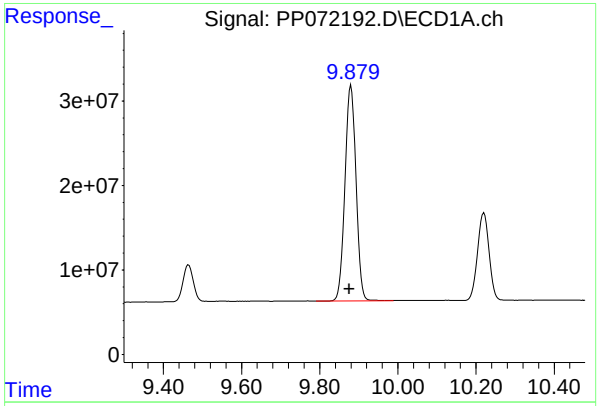

#44 AR-1268-4

R.T.: 9.464 min
Delta R.T.: 0.004 min
Response: 78574325
Conc: 727.75 ng/ml




#44 AR-1268-4

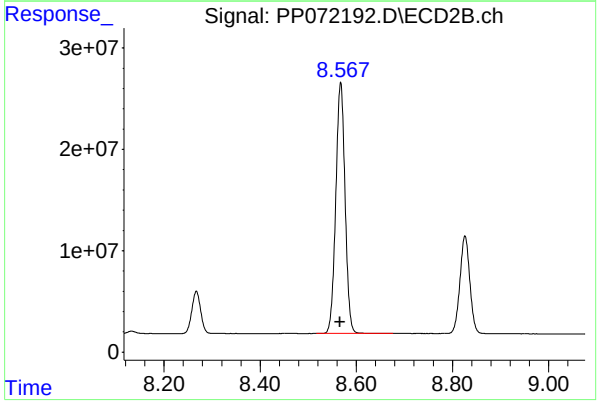
R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 53264333
Conc: 711.57 ng/ml




#45 AR-1268-5

R.T.: 9.880 min
Delta R.T.: 0.004 min
Response: 500382806
Conc: 728.40 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750




#45 AR-1268-5

R.T.: 8.568 min
Delta R.T.: 0.001 min
Response: 332114967
Conc: 726.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.799 | 99784961 | 82481825 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.215 | 8.826 | 146.9E6 | 95120098 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.719 | 7.703 | 168.8E6 | 117.9E6 | 500.000 | 500.000 |
| 42) | L9 AR-1268-2 | 8.812 | 7.769 | 142.6E6 | 104.2E6 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 9.042 | 7.972 | 123.6E6 | 87334730 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.461 | 8.267 | 53984174 | 37427536 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 9.876 | 8.566 | 343.5E6 | 228.5E6 | 500.000 | 500.000 |

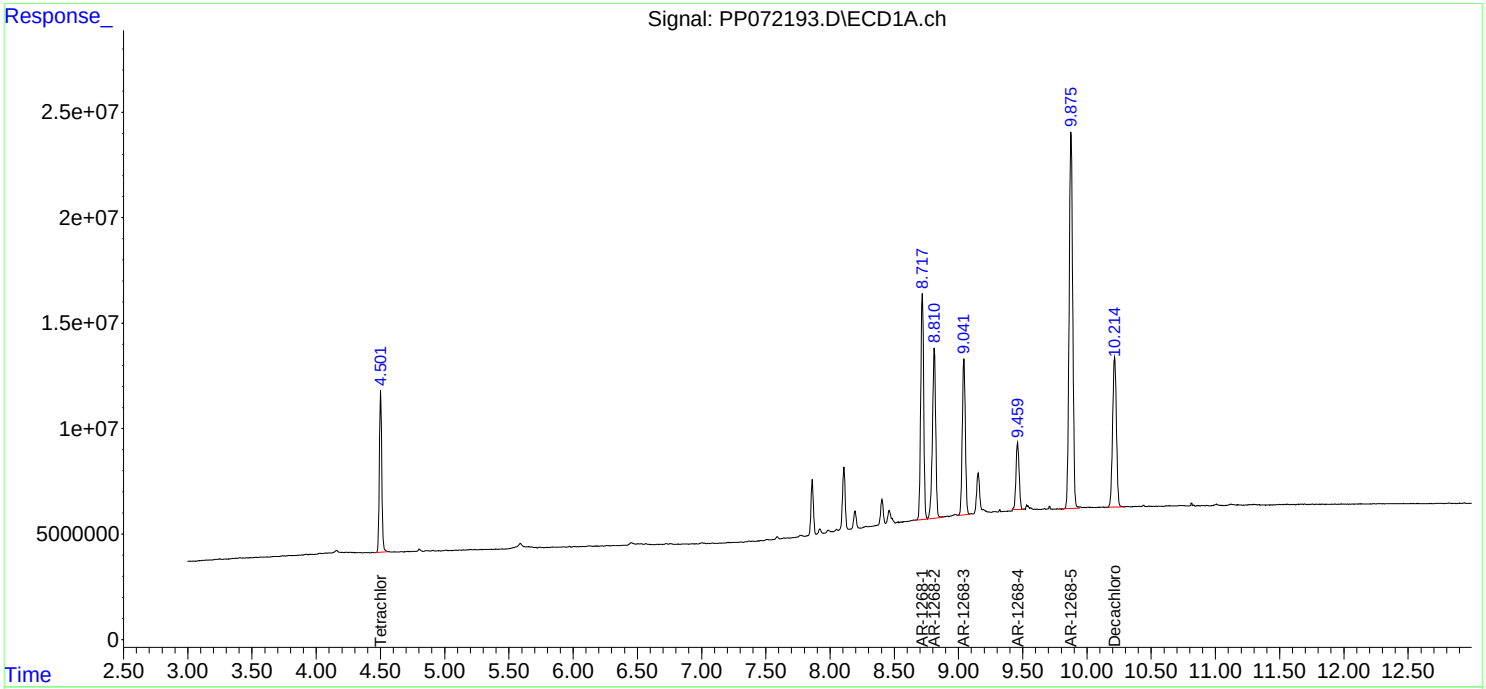
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

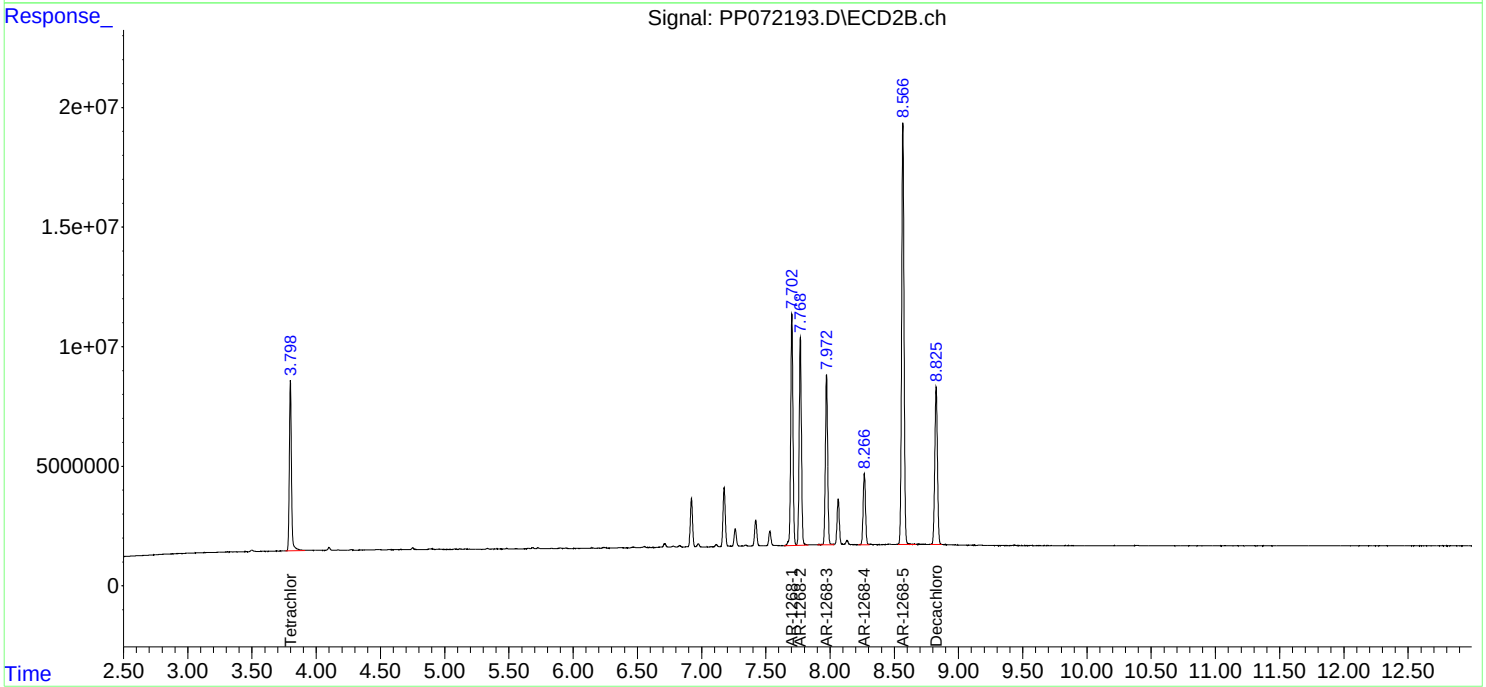
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

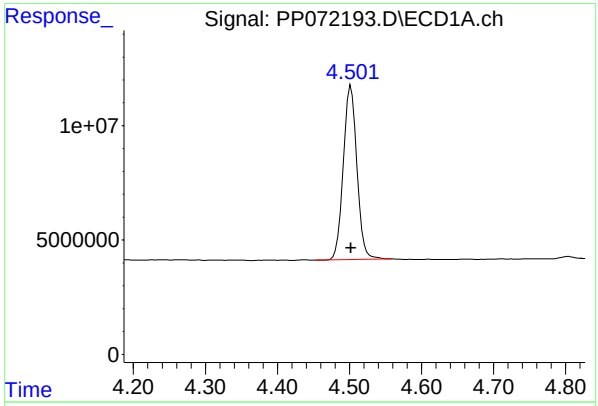
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



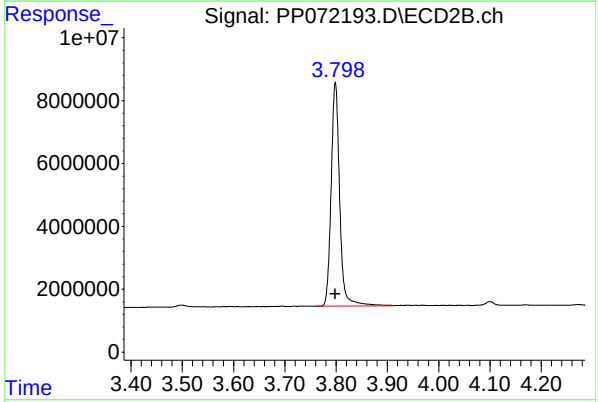






#1 Tetrachloro-m-xylene

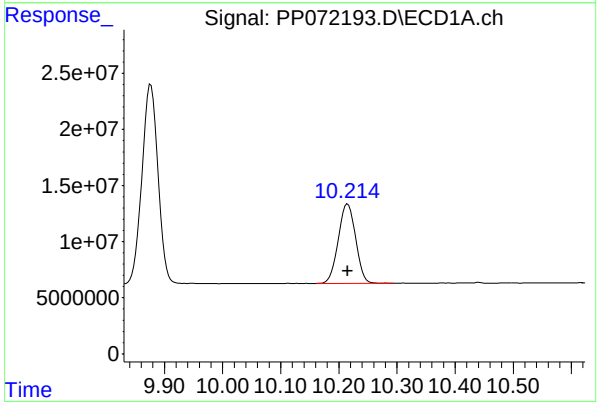
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 99784961
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



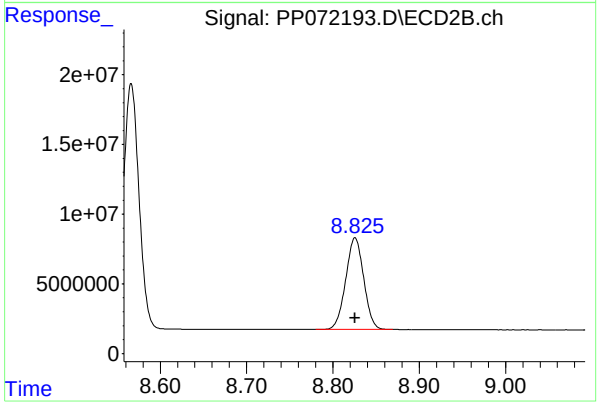

#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 82481825
Conc: 50.00 ng/ml



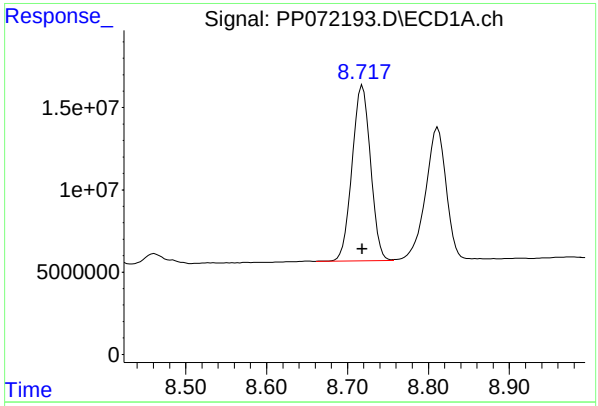

#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 146898335
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

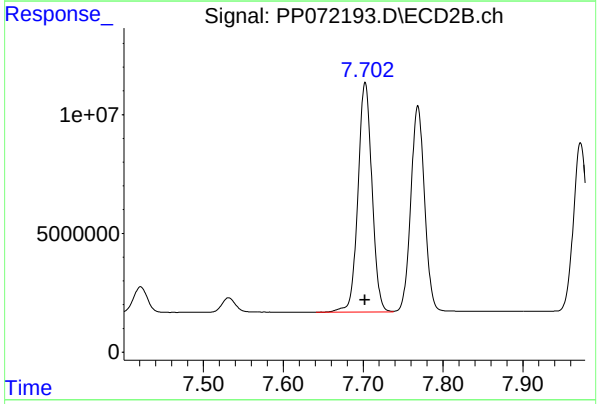
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 95120098
Conc: 50.00 ng/ml




#41 AR-1268-1

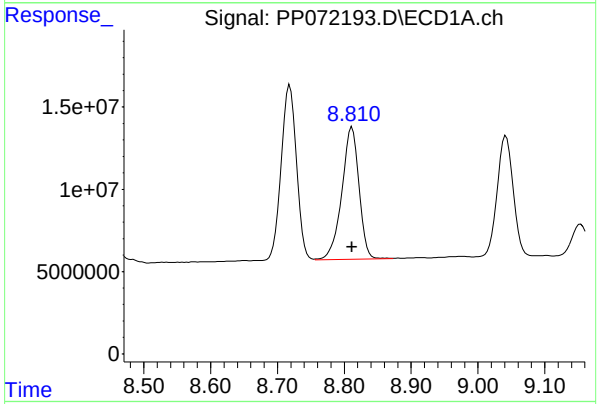
R.T.: 8.719 min
Delta R.T.: 0.000 min
Response: 168813008
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



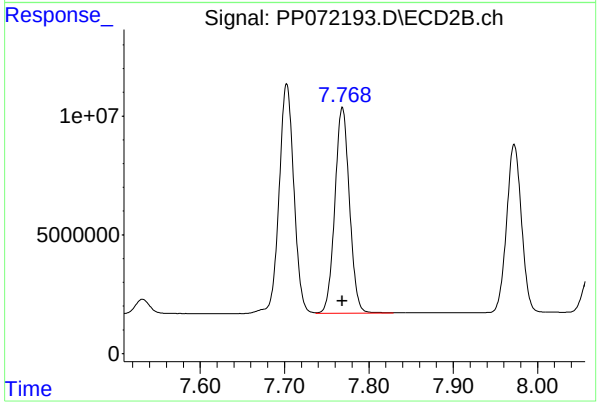

#41 AR-1268-1

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 117885627
Conc: 500.00 ng/ml



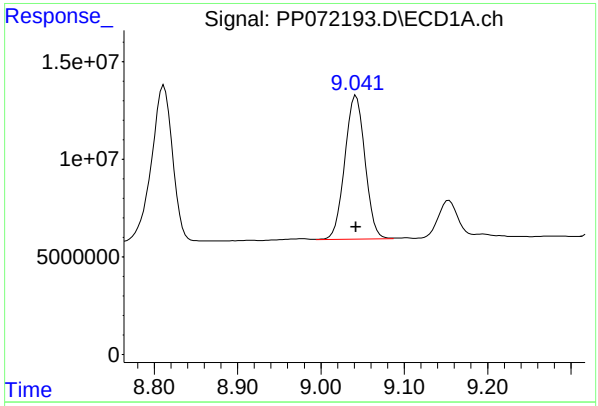

#42 AR-1268-2

R.T.: 8.812 min
Delta R.T.: 0.000 min
Response: 142607566
Conc: 500.00 ng/ml




#42 AR-1268-2

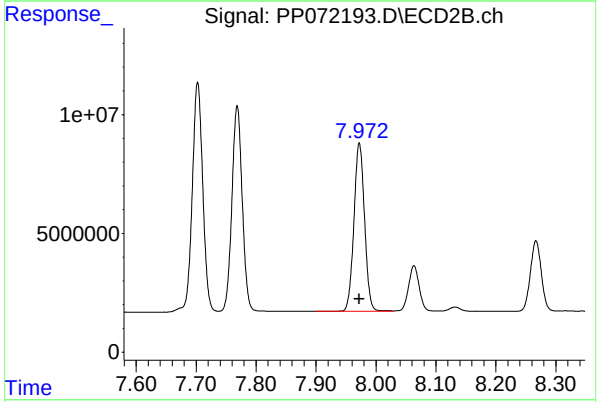
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 104194841
Conc: 500.00 ng/ml




#43 AR-1268-3

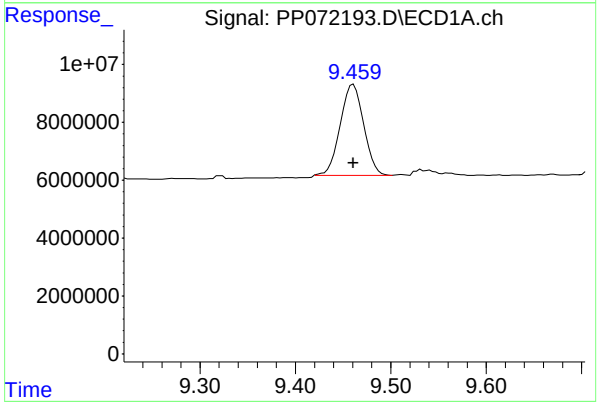
R.T.: 9.042 min
Delta R.T.: 0.000 min
Response: 123625088
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



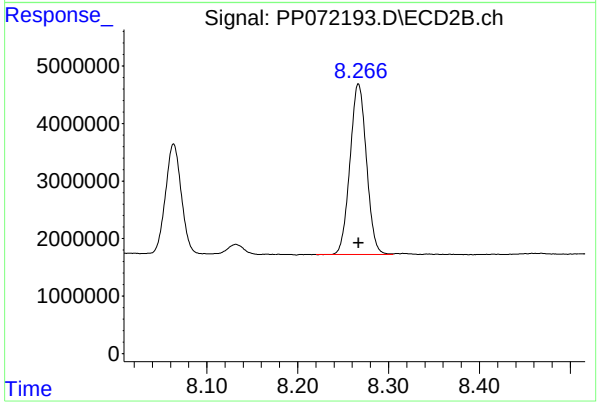

#43 AR-1268-3

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 87334730
Conc: 500.00 ng/ml



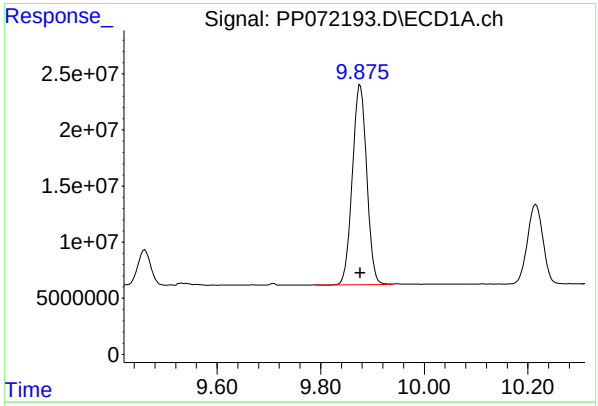

#44 AR-1268-4

R.T.: 9.461 min
Delta R.T.: 0.000 min
Response: 53984174
Conc: 500.00 ng/ml




#44 AR-1268-4

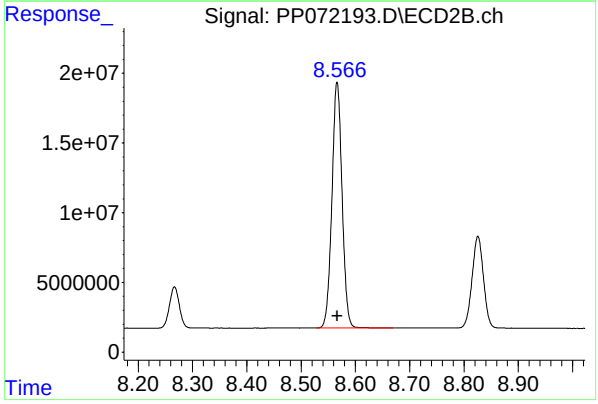
R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 37427536
Conc: 500.00 ng/ml




#45 AR-1268-5

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 343480020
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500




#45 AR-1268-5

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 228518609
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:09
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.797 | 51365767 | 41558561 | 25.738 | 25.193 |
| 2) | SA Decachlor... | 10.214 | 8.824 | 75968459 | 49150807 | 25.857 | 25.836 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.717 | 7.702 | 87839198 | 60916157 | 260.167 | 258.370 |
| 42) | L9 AR-1268-2 | 8.811 | 7.767 | 74121995 | 54415434 | 259.881 | 261.123 |
| 43) | L9 AR-1268-3 | 9.040 | 7.971 | 63936897 | 44168578 | 258.592 | 252.869 |
| 44) | L9 AR-1268-4 | 9.459 | 8.265 | 27090074 | 19140648 | 250.908 | 255.703 |
| 45) | L9 AR-1268-5 | 9.875 | 8.565 | 176.6E6 | 115.4E6 | 257.058 | 252.589 |

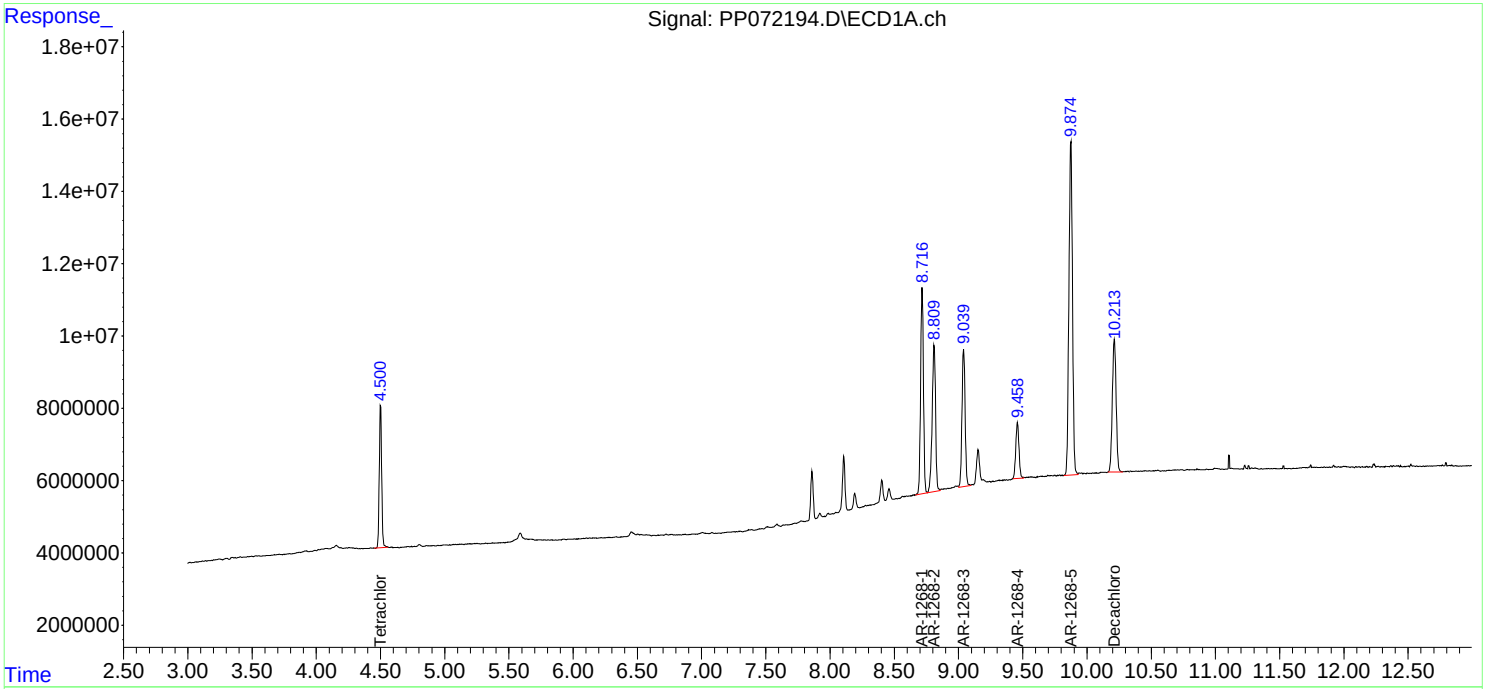
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

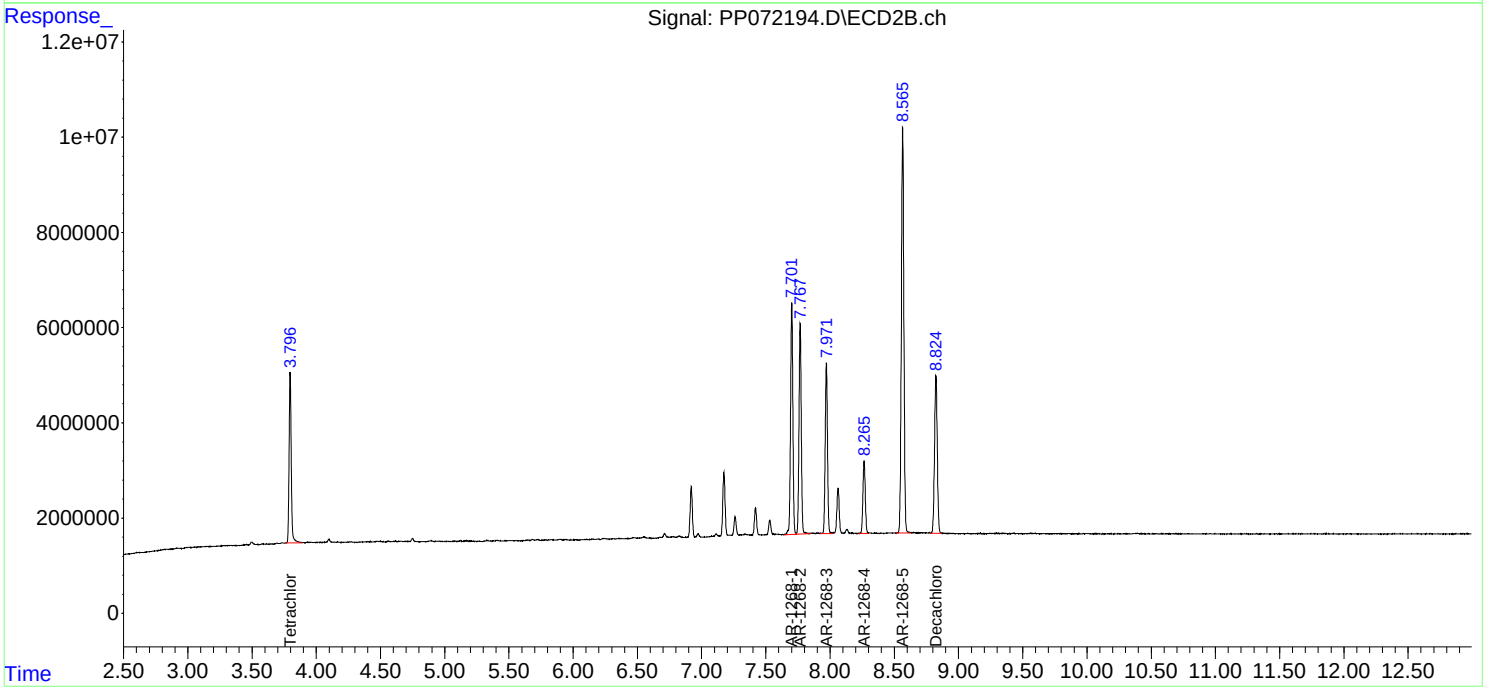
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:09
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

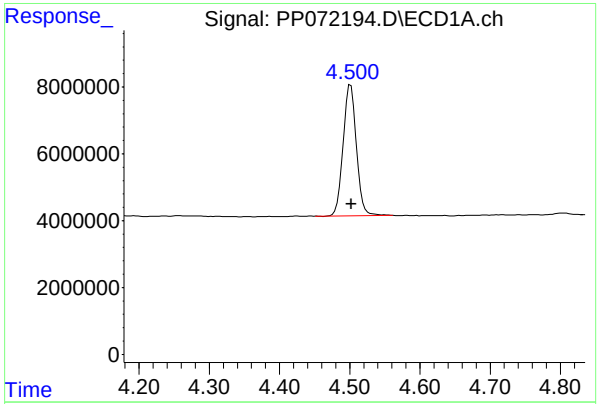
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



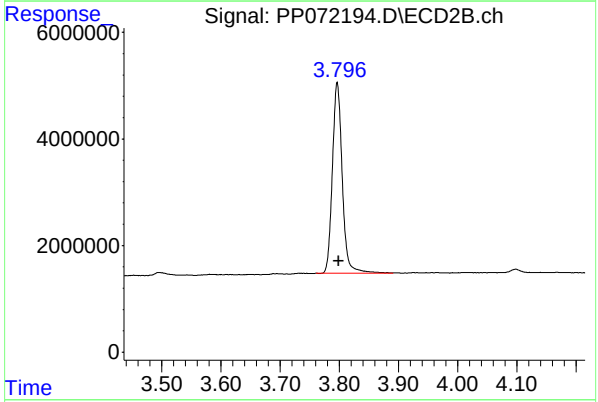






#1 Tetrachloro-m-xylene

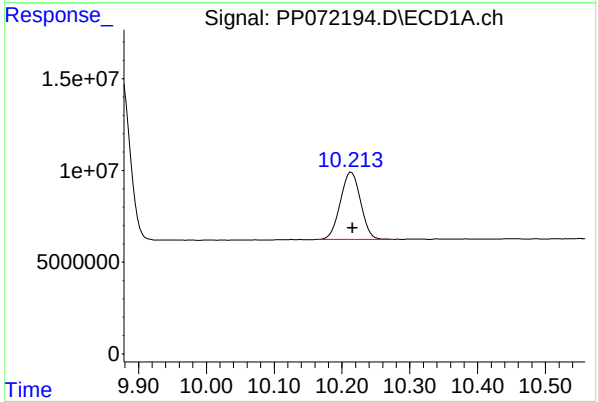
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 51365767
Conc: 25.74 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



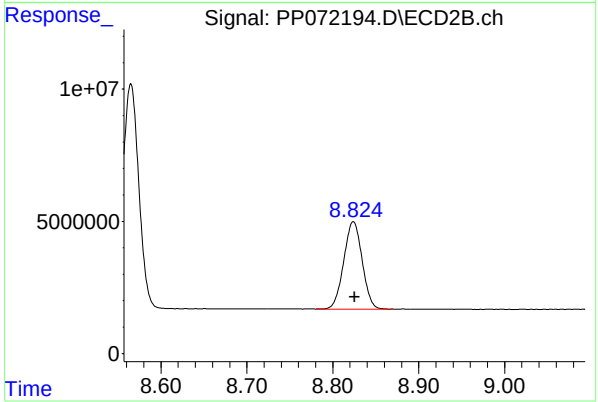

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.002 min
Response: 41558561
Conc: 25.19 ng/ml



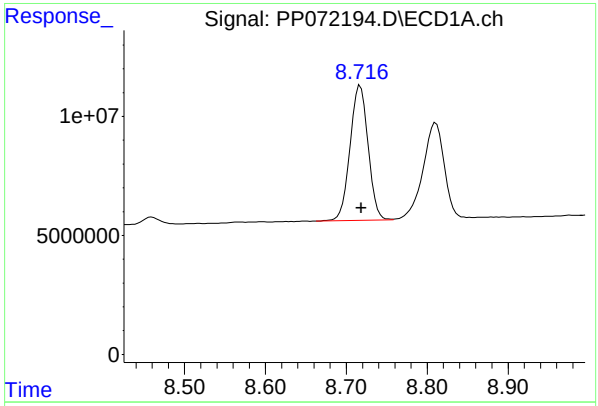

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.001 min
Response: 75968459
Conc: 25.86 ng/ml




#2 Decachlorobiphenyl

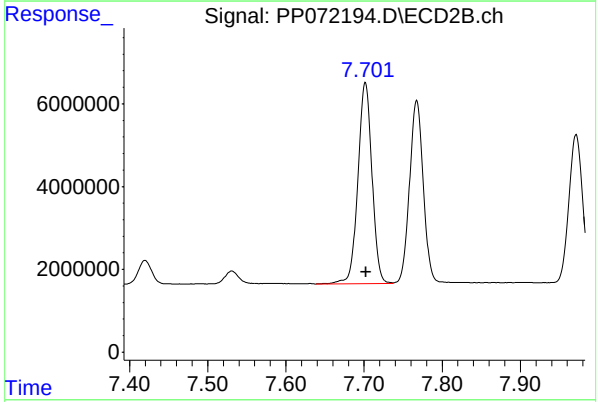
R.T.: 8.824 min
Delta R.T.: -0.002 min
Response: 49150807
Conc: 25.84 ng/ml




#41 AR-1268-1

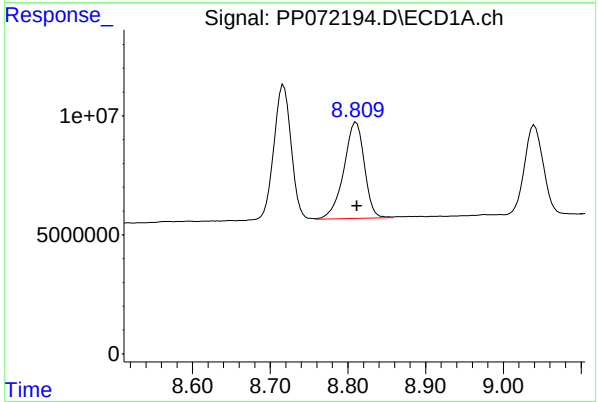
R.T.: 8.717 min
Delta R.T.: -0.001 min
Response: 87839198
Conc: 260.17 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



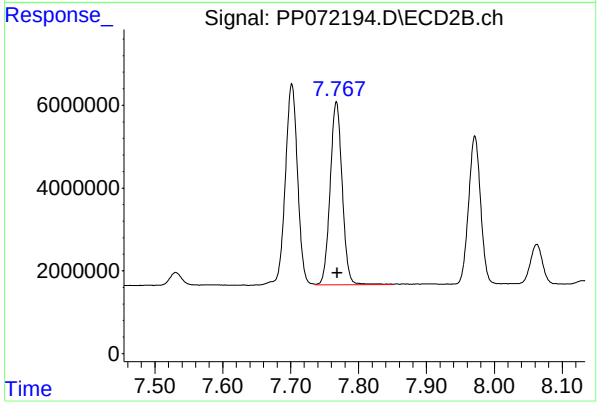

#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 60916157
Conc: 258.37 ng/ml



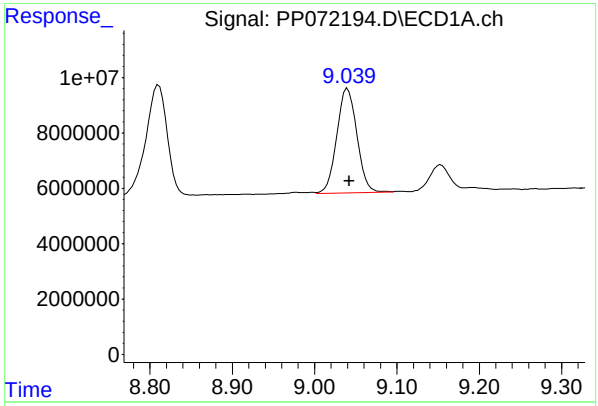

#42 AR-1268-2

R.T.: 8.811 min
Delta R.T.: 0.000 min
Response: 74121995
Conc: 259.88 ng/ml




#42 AR-1268-2

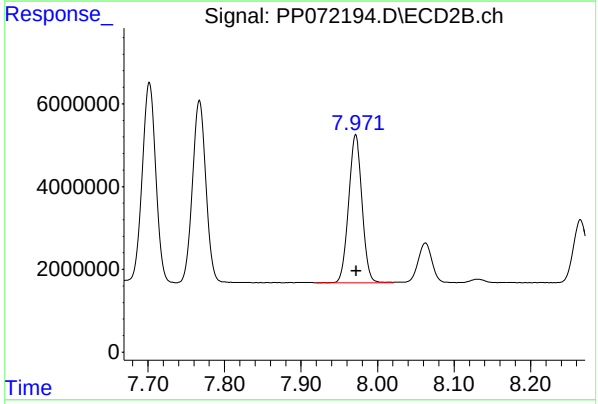
R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 54415434
Conc: 261.12 ng/ml




#43 AR-1268-3

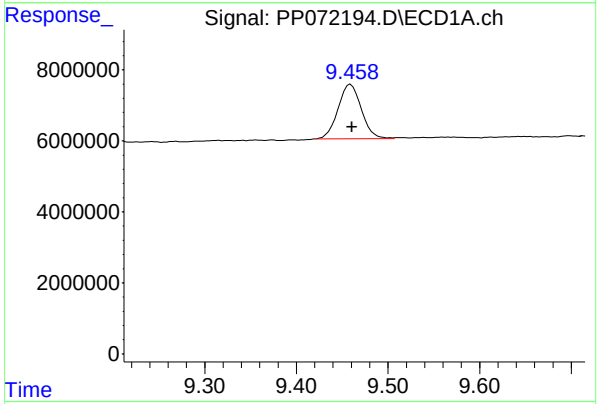
R.T.: 9.040 min
Delta R.T.: -0.002 min
Response: 63936897
Conc: 258.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



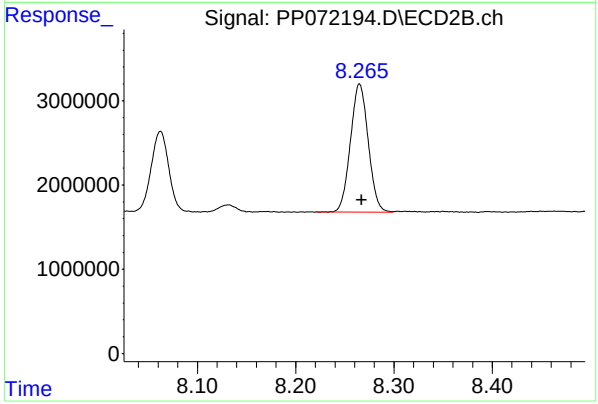

#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 44168578
Conc: 252.87 ng/ml



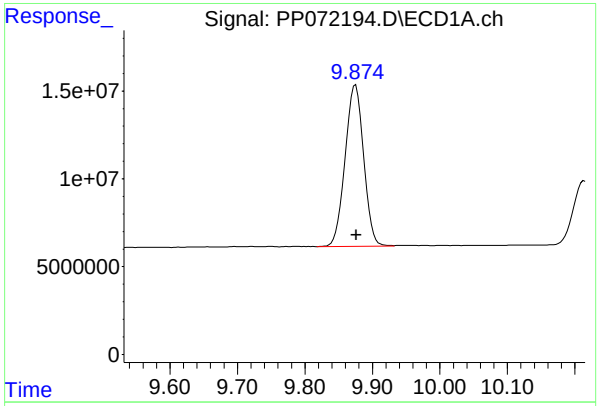

#44 AR-1268-4

R.T.: 9.459 min
Delta R.T.: -0.001 min
Response: 27090074
Conc: 250.91 ng/ml




#44 AR-1268-4

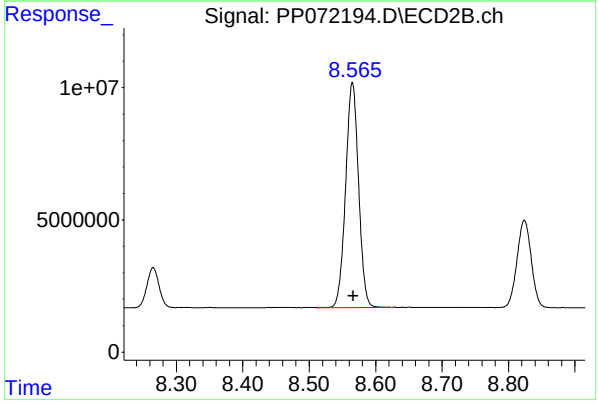
R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 19140648
Conc: 255.70 ng/ml




#45 AR-1268-5

R.T.: 9.875 min
Delta R.T.: -0.001 min
Response: 176588908
Conc: 257.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250




#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.001 min
Response: 115442638
Conc: 252.59 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.797 | 8721682 | 7491150 | 4.370m | 4.541 |
| 2) | SA Decachlor... | 10.218 | 8.823 | 13183771 | 10651243 | 4.487 | 5.599 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.720 | 7.701 | 16905769 | 12836464 | 50.072m | 54.445 |
| 42) | L9 AR-1268-2 | 8.814 | 7.768 | 13998978 | 11129718 | 49.082 | 53.408 |
| 43) | L9 AR-1268-3 | 9.045 | 7.971 | 12064238 | 8963951 | 48.794 | 51.320 |
| 44) | L9 AR-1268-4 | 9.464 | 8.265 | 5112737 | 3748876 | 47.354 | 50.082 |
| 45) | L9 AR-1268-5 | 9.878 | 8.565 | 33648372 | 24605969 | 48.982 | 53.838 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

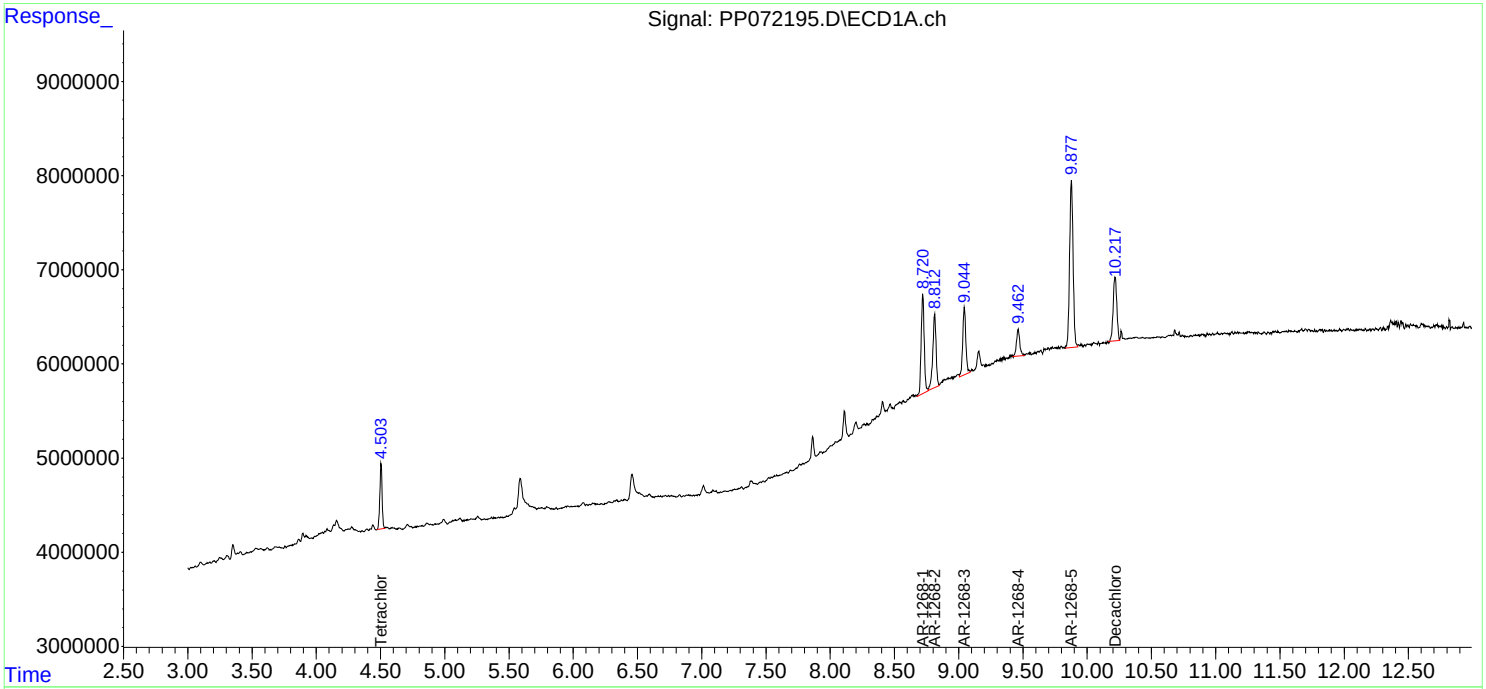
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

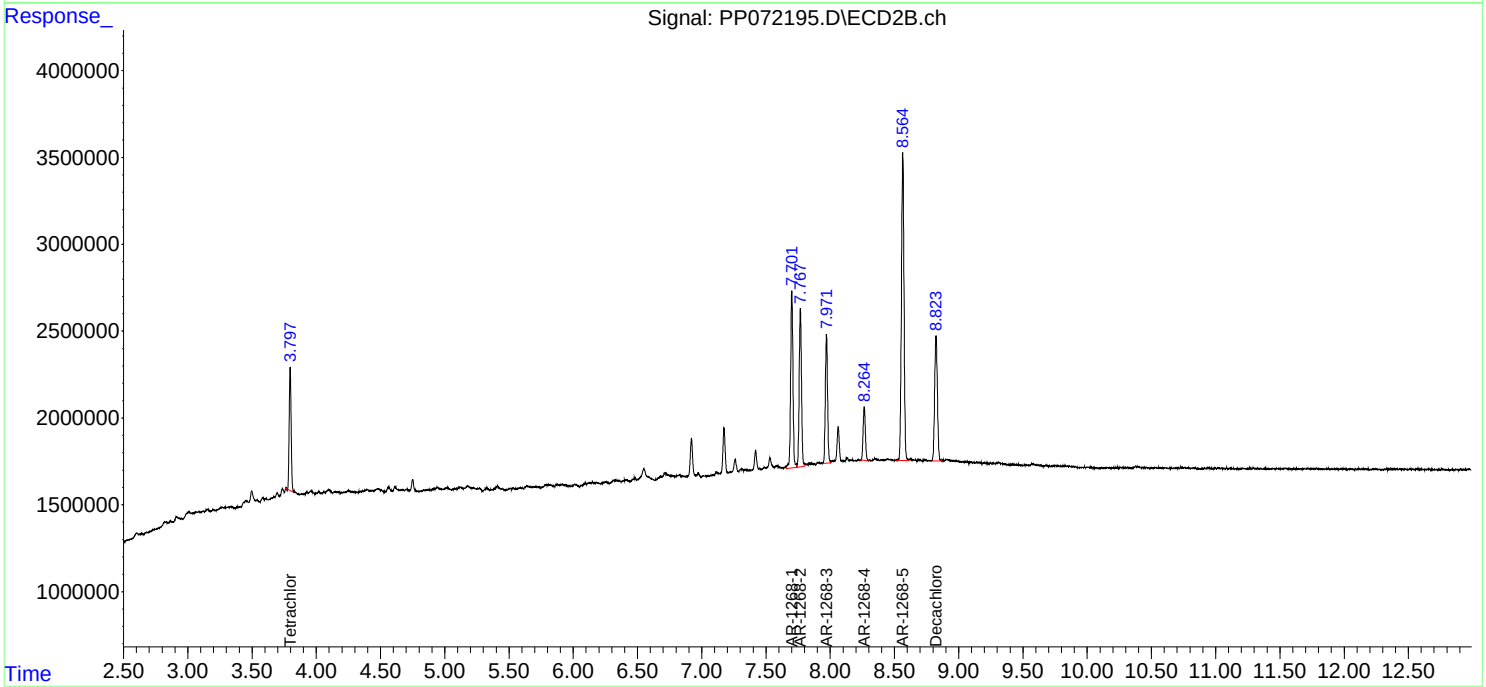
**Manual Integrations APPROVED**

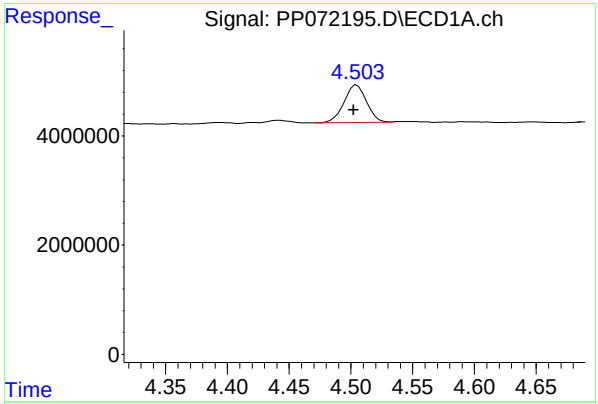
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





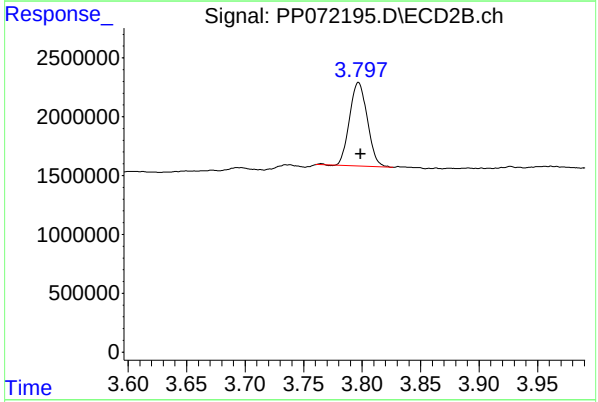

#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.001 min
Response: 8721682
Conc: 4.37 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

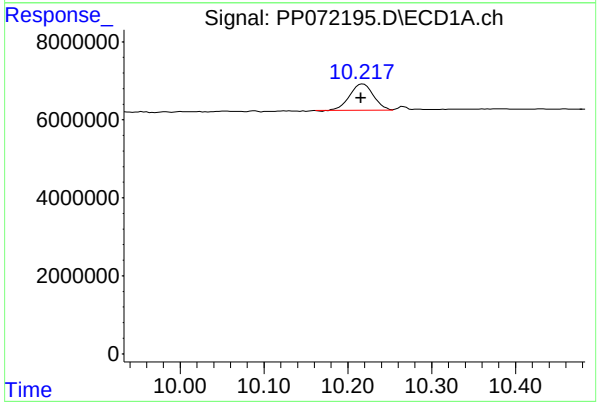
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



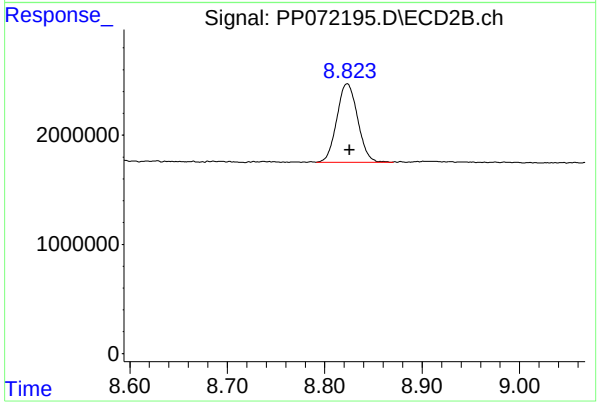

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.002 min
Response: 7491150
Conc: 4.54 ng/ml



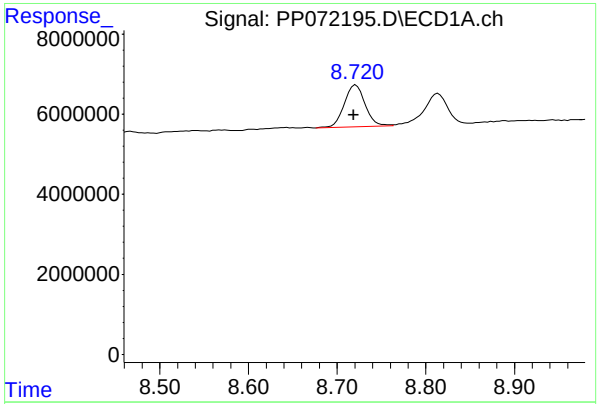

#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.003 min
Response: 13183771
Conc: 4.49 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.823 min
Delta R.T.: -0.003 min
Response: 10651243
Conc: 5.60 ng/ml



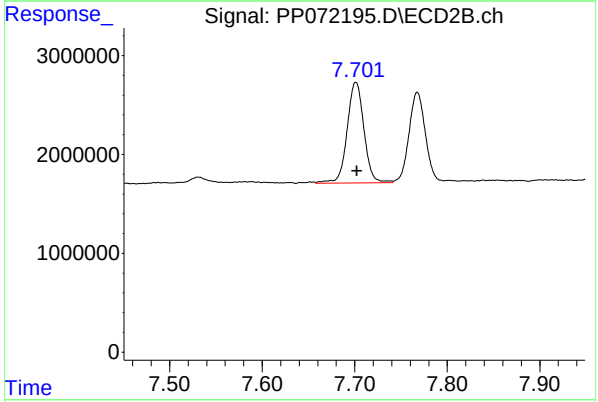

#41 AR-1268-1

R.T.: 8.720 min
Delta R.T.: 0.000 min
Response: 16905769
Conc: 50.07 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

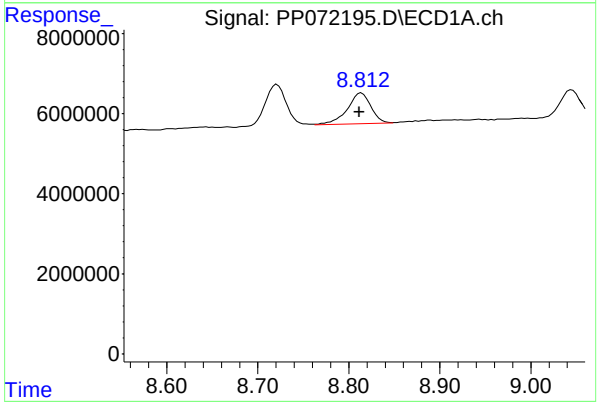
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



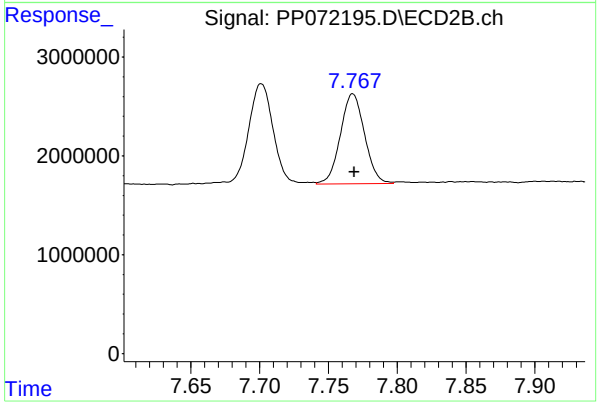

#41 AR-1268-1

R.T.: 7.701 min
Delta R.T.: -0.001 min
Response: 12836464
Conc: 54.44 ng/ml



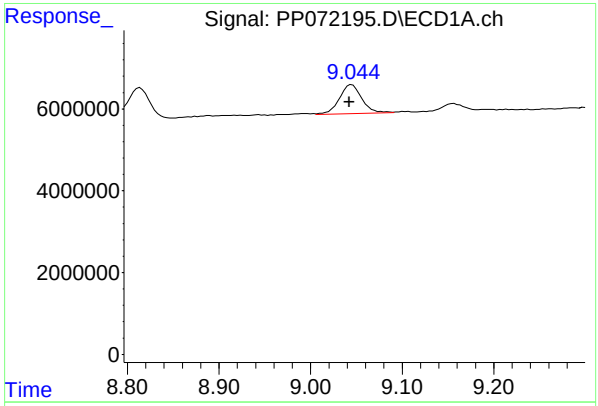

#42 AR-1268-2

R.T.: 8.814 min
Delta R.T.: 0.002 min
Response: 13998978
Conc: 49.08 ng/ml




#42 AR-1268-2

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 11129718
Conc: 53.41 ng/ml



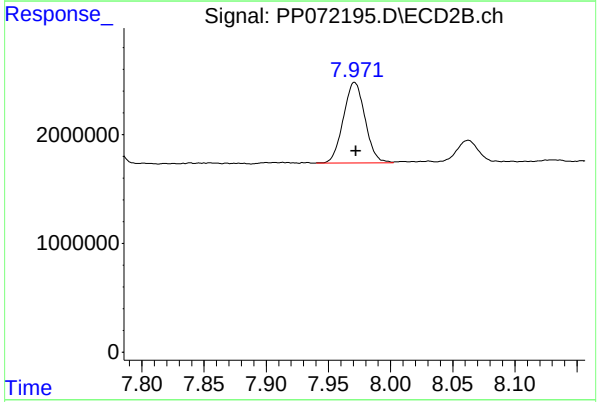

#43 AR-1268-3

R.T.: 9.045 min
Delta R.T.: 0.003 min
Response: 12064238
Conc: 48.79 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

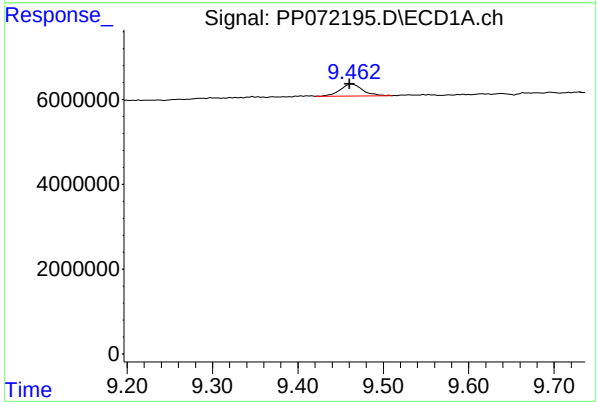
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



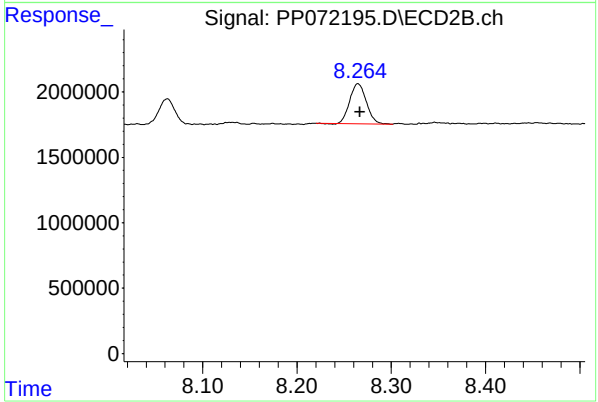

#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: -0.001 min
Response: 8963951
Conc: 51.32 ng/ml



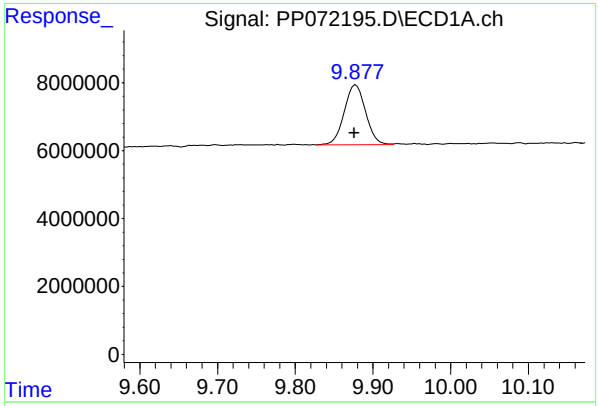

#44 AR-1268-4

R.T.: 9.464 min
Delta R.T.: 0.003 min
Response: 5112737
Conc: 47.35 ng/ml




#44 AR-1268-4

R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 3748876
Conc: 50.08 ng/ml



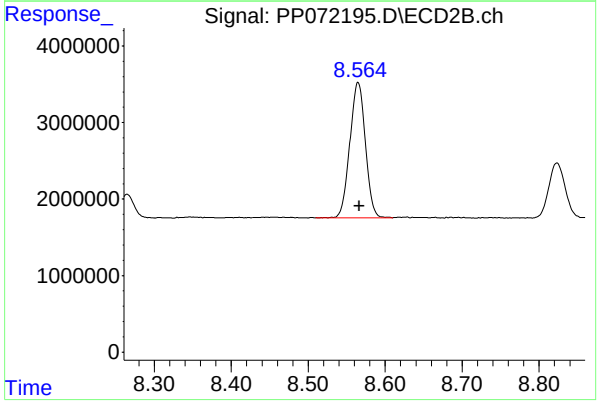

#45 AR-1268-5

R.T.: 9.878 min
Delta R.T.: 0.002 min
Response: 33648372
Conc: 48.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025




#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 24605969
Conc: 53.84 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:42
Operator : YP\AJ
Sample : PP051925ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** ECD_P
**ClientSampleId :** ICVPP051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:36:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.798 | 95813360 | 75129300 | 47.649 | 47.004 |
| 2) | SA Decachlor... | 10.216 | 8.825 | 78897811 | 55159923 | 48.430 | 52.106 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.656 | 4.882 | 34275021 | 28415442 | 456.491 | 462.570 |
| 4) | L1 AR-1016-2 | 5.677 | 4.900 | 52043054 | 40409419 | 486.422 | 460.300 |
| 5) | L1 AR-1016-3 | 5.739 | 5.077 | 30972988 | 22233290 | 472.402 | 466.552 |
| 6) | L1 AR-1016-4 | 5.837 | 5.120 | 26002231 | 17703522 | 488.122 | 465.327 |
| 7) | L1 AR-1016-5 | 6.130 | 5.333 | 22892152 | 23633981 | 468.054 | 474.345 |
| 31) | L7 AR-1260-1 | 7.250 | 6.367 | 45618683 | 37214670 | 487.406 | 466.620 |
| 32) | L7 AR-1260-2 | 7.503 | 6.556 | 68966981 | 45298985 | 480.641 | 446.638 |
| 33) | L7 AR-1260-3 | 7.861 | 6.709 | 56600304 | 41944639 | 497.057 | 482.664 |
| 34) | L7 AR-1260-4 | 8.086 | 7.179 | 54236593 | 34998898 | 505.455 | 485.483 |
| 35) | L7 AR-1260-5 | 8.405 | 7.421 | 116.3E6 | 86272130 | 491.560 | 496.891 |

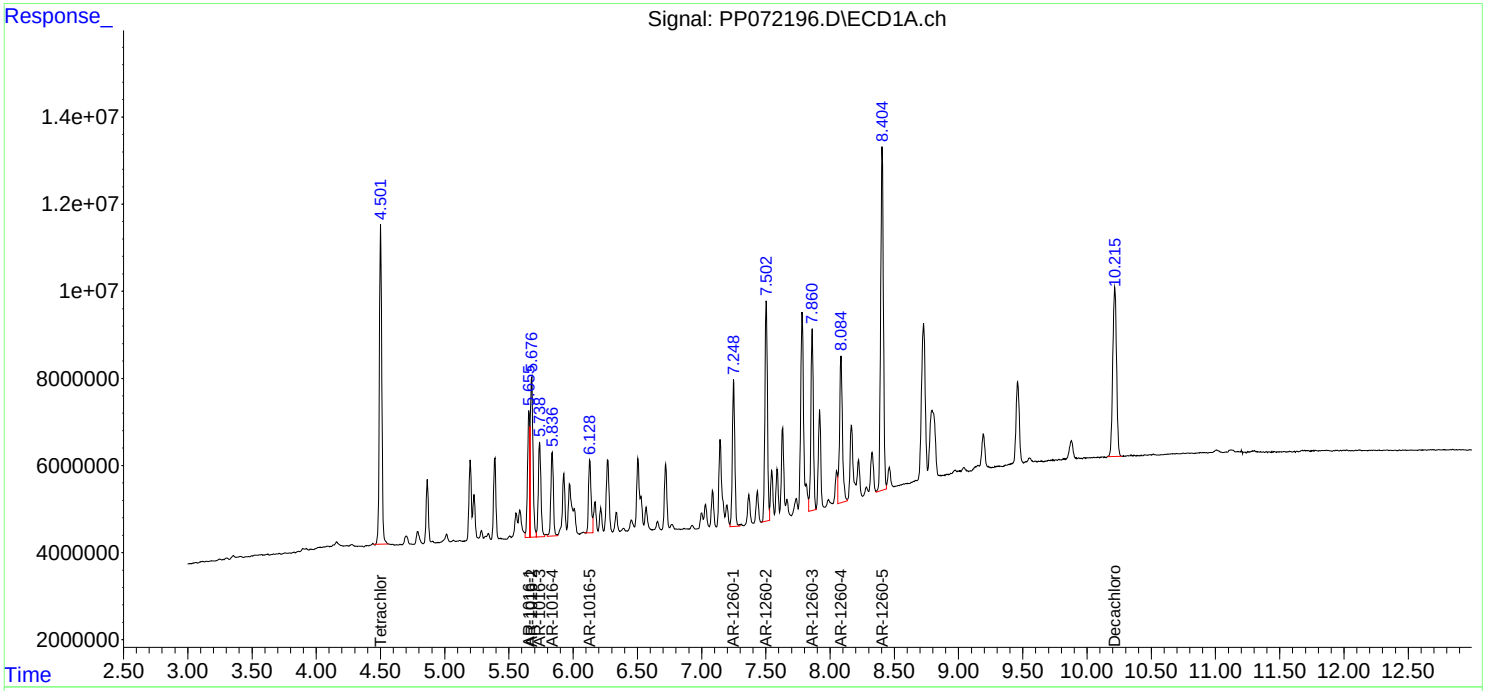
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

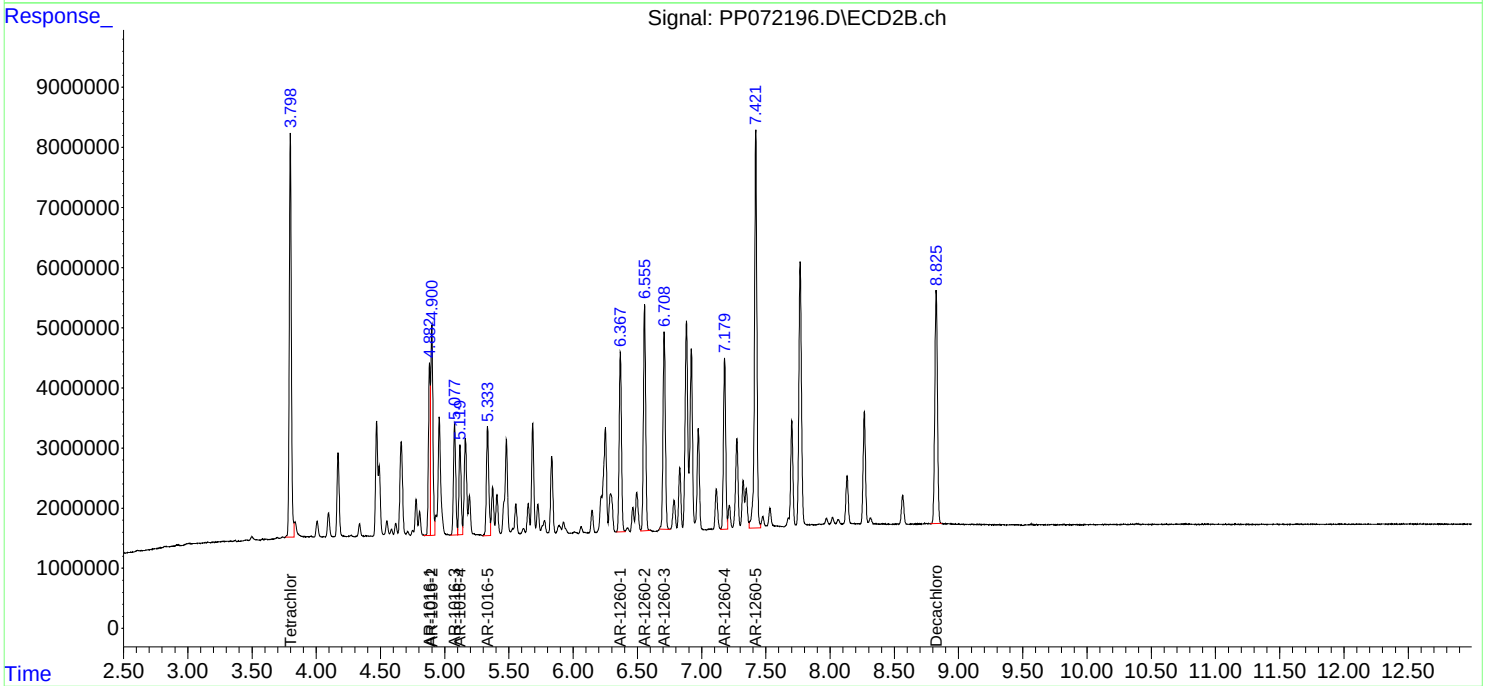
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:42
Operator : YP\AJ
Sample : PP051925ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

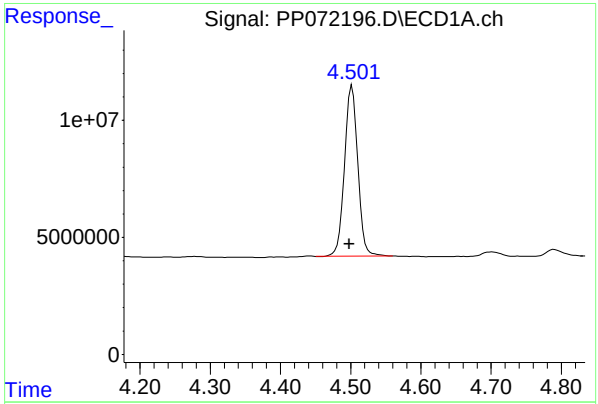
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:36:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



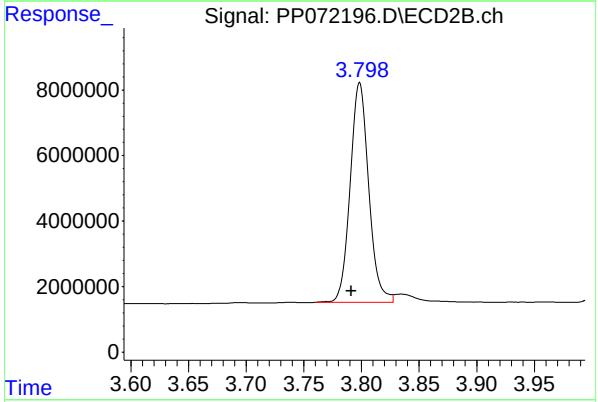






#1 Tetrachloro-m-xylene

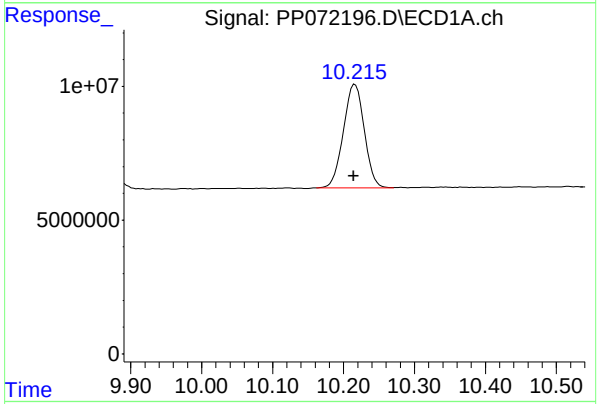
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 95813360
Conc: 47.65 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925



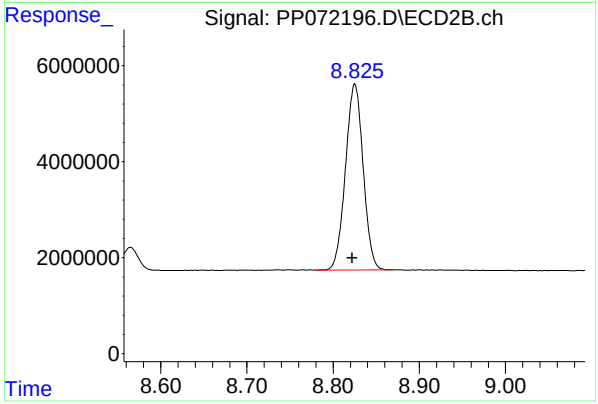

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 75129300
Conc: 47.00 ng/ml



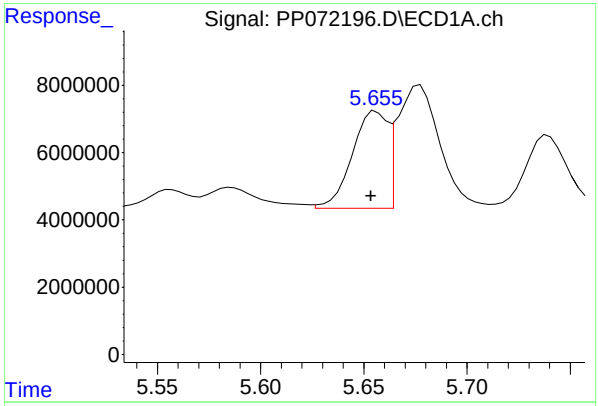

#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.002 min
Response: 78897811
Conc: 48.43 ng/ml




#2 Decachlorobiphenyl

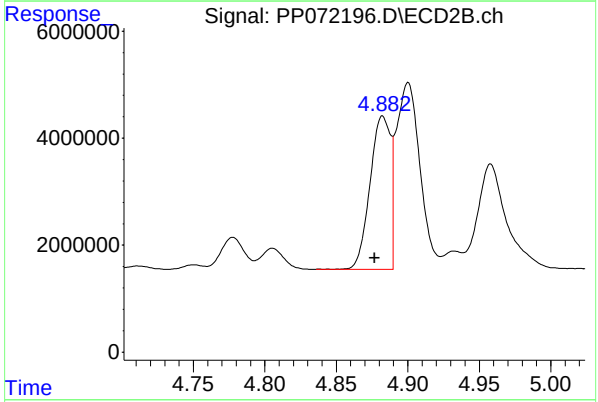
R.T.: 8.825 min
Delta R.T.: 0.003 min
Response: 55159923
Conc: 52.11 ng/ml




#3 AR-1016-1

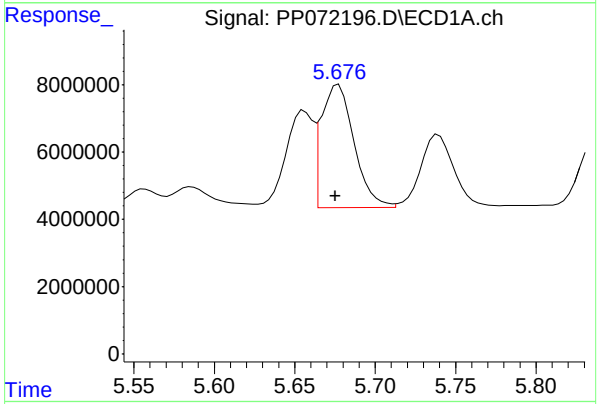
R.T.: 5.656 min
Delta R.T.: 0.003 min
Response: 34275021
Conc: 456.49 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925



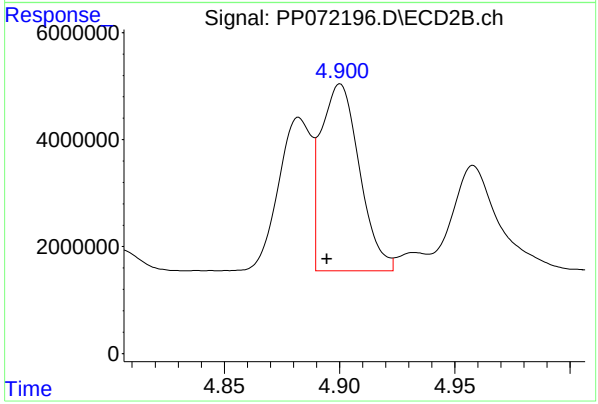

#3 AR-1016-1

R.T.: 4.882 min
Delta R.T.: 0.006 min
Response: 28415442
Conc: 462.57 ng/ml



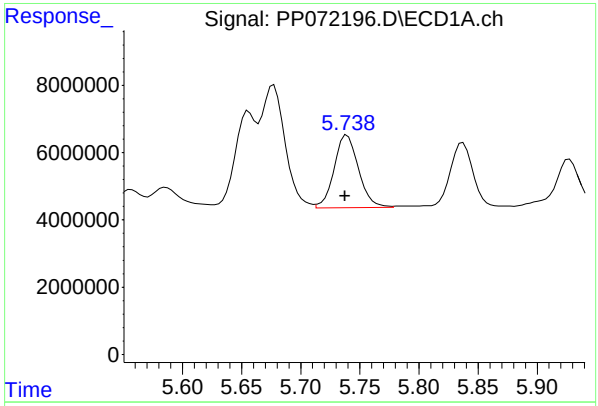

#4 AR-1016-2

R.T.: 5.677 min
Delta R.T.: 0.002 min
Response: 52043054
Conc: 486.42 ng/ml




#4 AR-1016-2

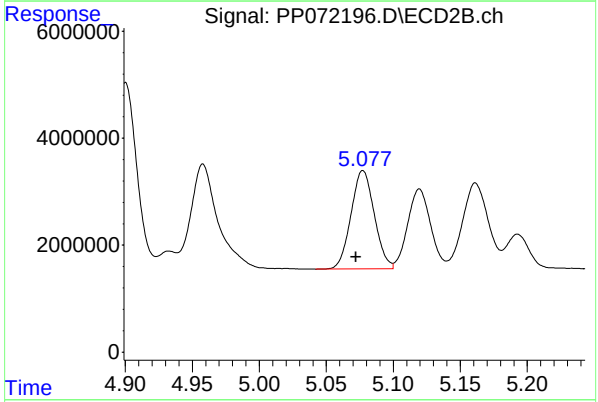
R.T.: 4.900 min
Delta R.T.: 0.006 min
Response: 40409419
Conc: 460.30 ng/ml




#5 AR-1016-3

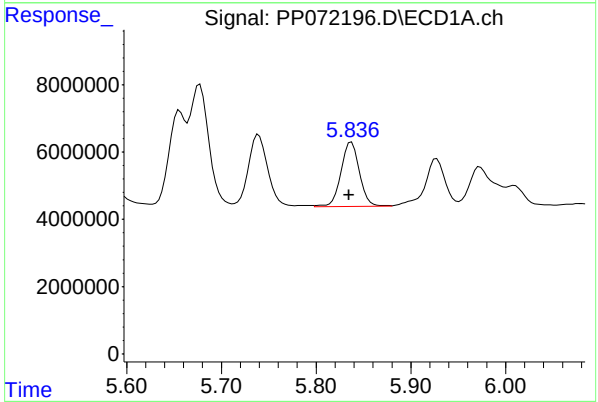
R.T.: 5.739 min
Delta R.T.: 0.002 min
Response: 30972988
Conc: 472.40 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925



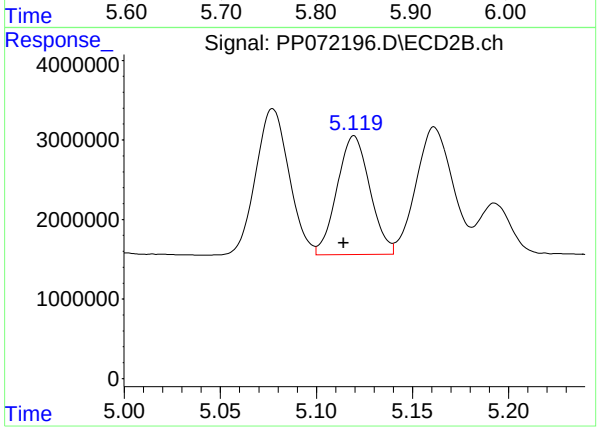

#5 AR-1016-3

R.T.: 5.077 min
Delta R.T.: 0.005 min
Response: 22233290
Conc: 466.55 ng/ml



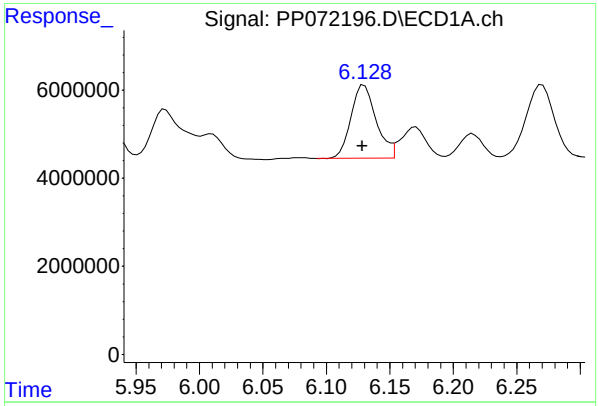

#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.002 min
Response: 26002231
Conc: 488.12 ng/ml




#6 AR-1016-4

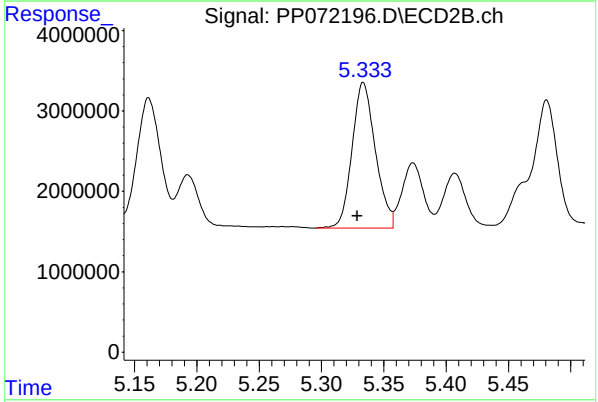
R.T.: 5.120 min
Delta R.T.: 0.005 min
Response: 17703522
Conc: 465.33 ng/ml




#7 AR-1016-5

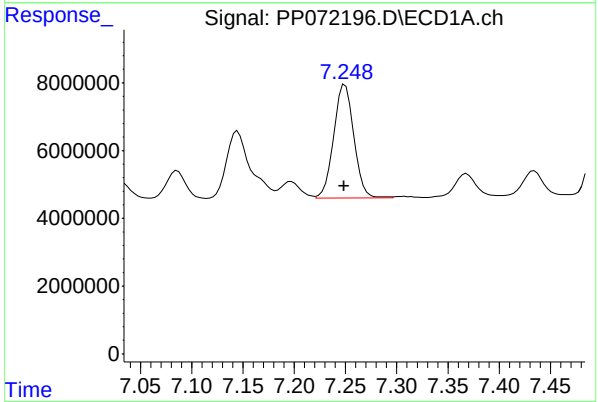
R.T.: 6.130 min
Delta R.T.: 0.001 min
Response: 22892152
Conc: 468.05 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925



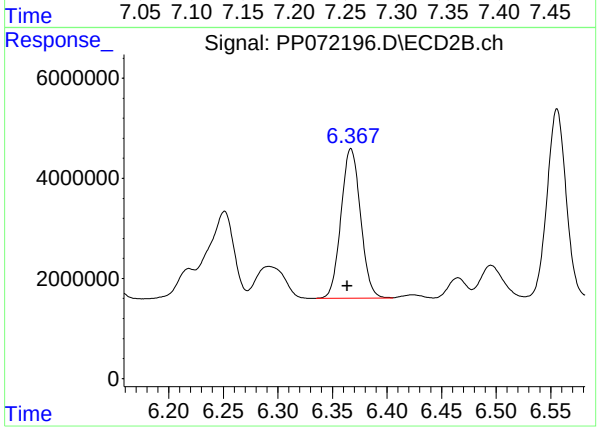

#7 AR-1016-5

R.T.: 5.333 min
Delta R.T.: 0.005 min
Response: 23633981
Conc: 474.35 ng/ml



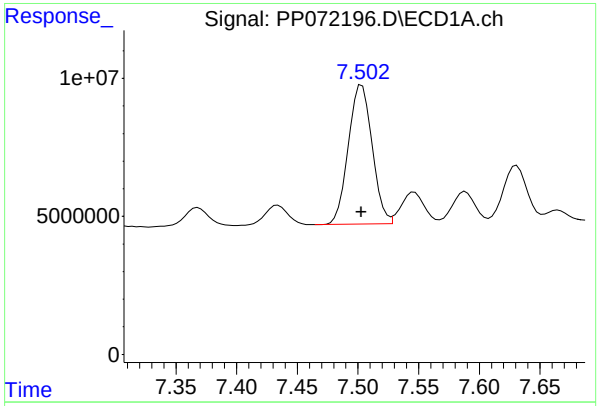

#31 AR-1260-1

R.T.: 7.250 min
Delta R.T.: 0.001 min
Response: 45618683
Conc: 487.41 ng/ml




#31 AR-1260-1

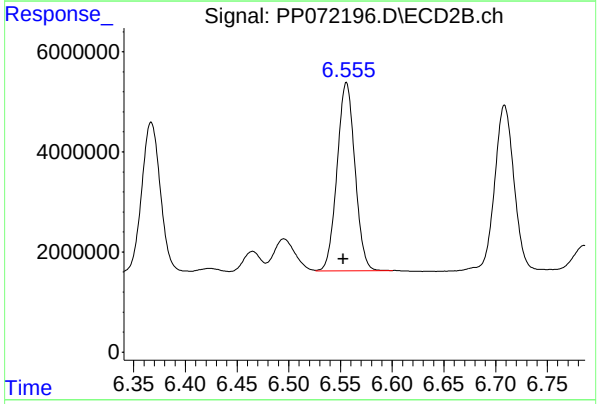
R.T.: 6.367 min
Delta R.T.: 0.003 min
Response: 37214670
Conc: 466.62 ng/ml




#32 AR-1260-2

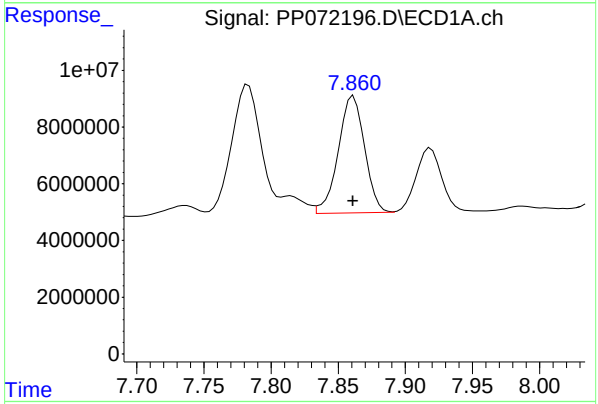
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 68966981
Conc: 480.64 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925



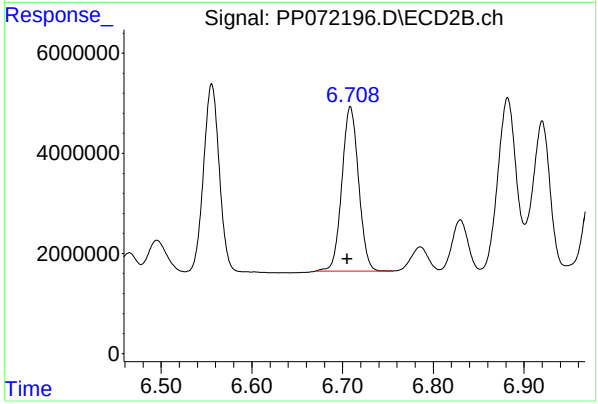

#32 AR-1260-2

R.T.: 6.556 min
Delta R.T.: 0.003 min
Response: 45298985
Conc: 446.64 ng/ml



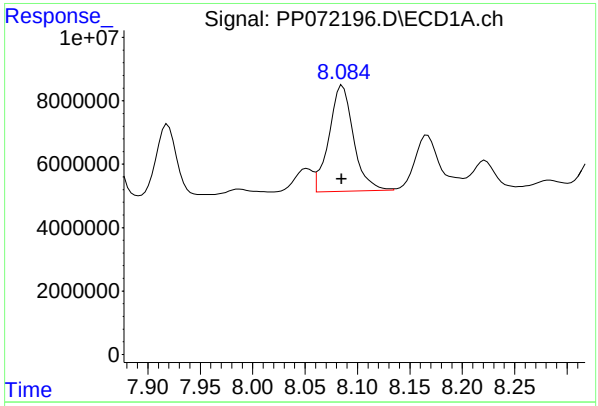

#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 56600304
Conc: 497.06 ng/ml




#33 AR-1260-3

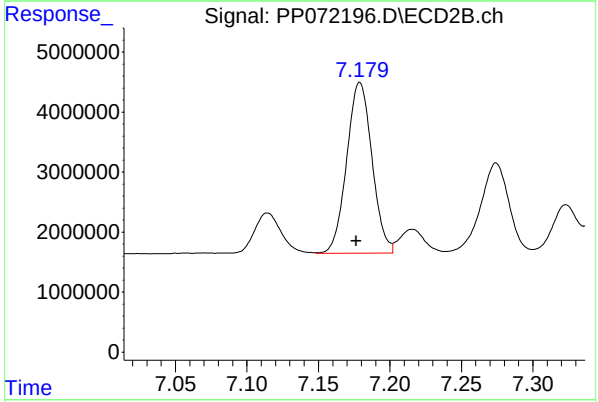
R.T.: 6.709 min
Delta R.T.: 0.003 min
Response: 41944639
Conc: 482.66 ng/ml




#34 AR-1260-4

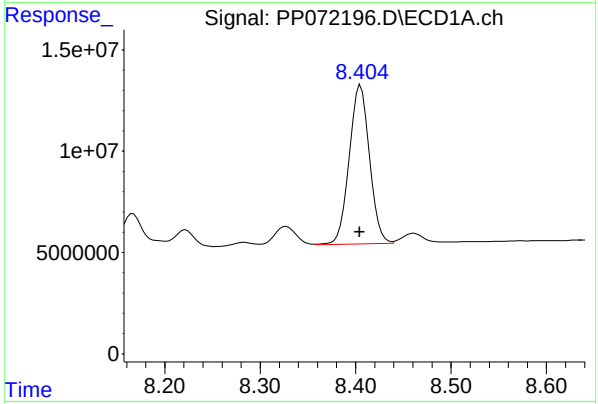
R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 54236593
Conc: 505.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925



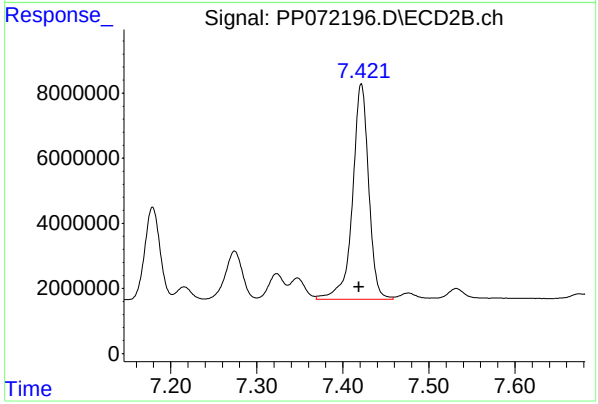

#34 AR-1260-4

R.T.: 7.179 min
Delta R.T.: 0.002 min
Response: 34998898
Conc: 485.48 ng/ml




#35 AR-1260-5

R.T.: 8.405 min
Delta R.T.: 0.001 min
Response: 116333702
Conc: 491.56 ng/ml




#35 AR-1260-5

R.T.: 7.421 min
Delta R.T.: 0.003 min
Response: 86272130
Conc: 496.89 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:14
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.504 | 3.798 | 99088078 | 76822954 | 49.278 | 48.064 |
| 2) | SA Decachlor... | 10.217 | 8.824 | 80208843 | 53006313 | 49.234 | 50.072 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.867 | 4.169 | 22860124 | 20991950 | 485.266 | 484.304 |
| 12) | L3 AR-1232-2 | 5.392 | 4.899 | 11426080 | 20405975 | 490.744 | 461.875 |
| 13) | L3 AR-1232-3 | 5.679 | 5.076 | 24392843 | 11207066 | 487.242 | 479.281 |
| 14) | L3 AR-1232-4 | 5.839 | 5.159 | 11984156 | 9670115 | 477.474 | 466.701 |
| 15) | L3 AR-1232-5 | 5.929 | 5.332 | 8016086 | 10482162 | 457.551 | 452.707 |

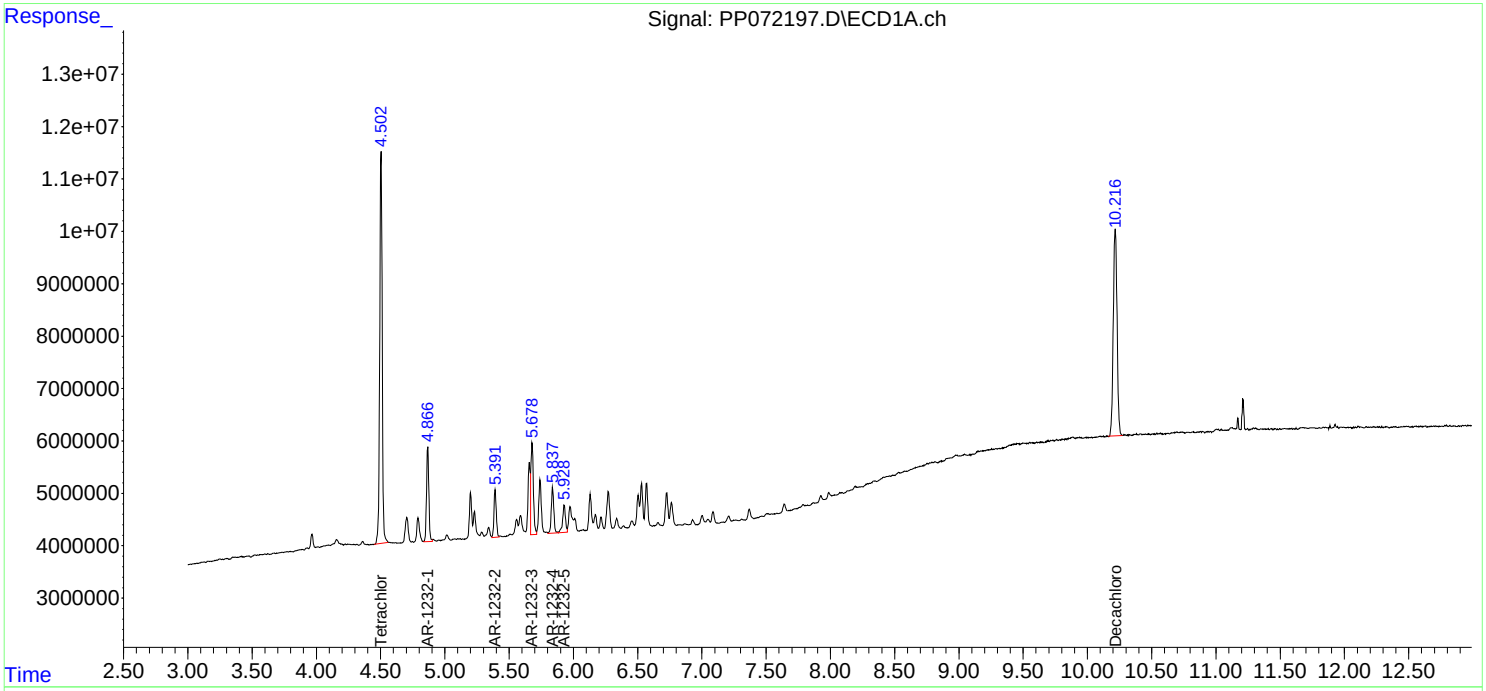
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

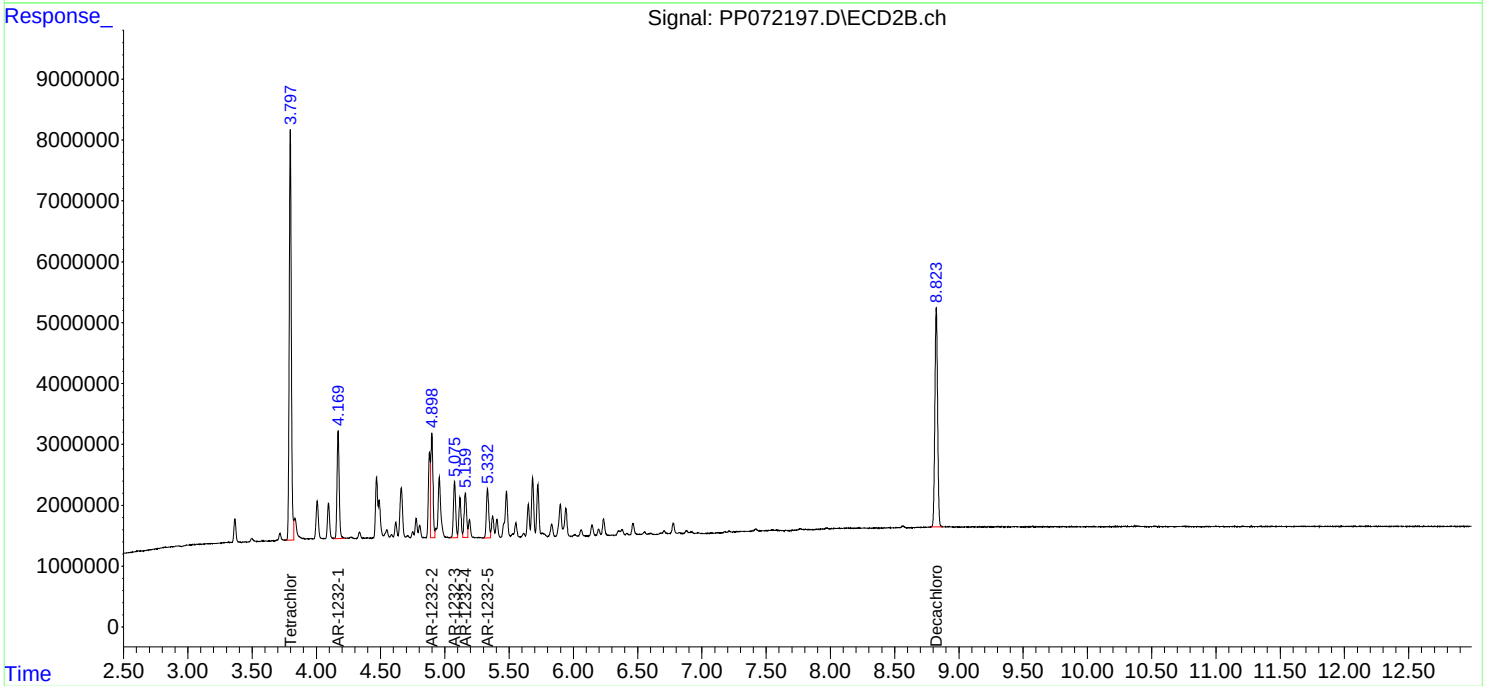
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:14
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

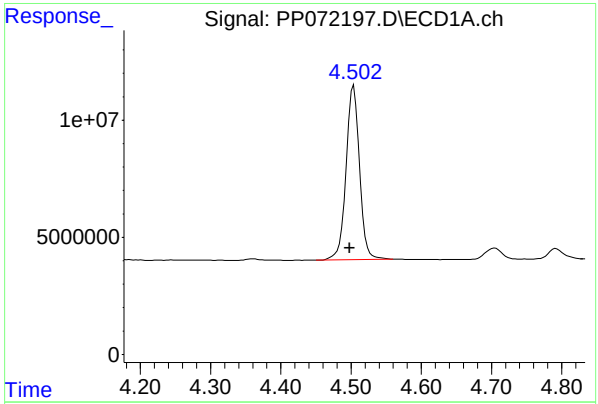
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



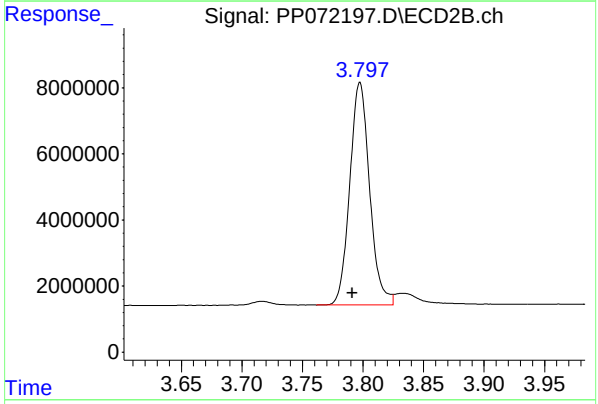






#1 Tetrachloro-m-xylene

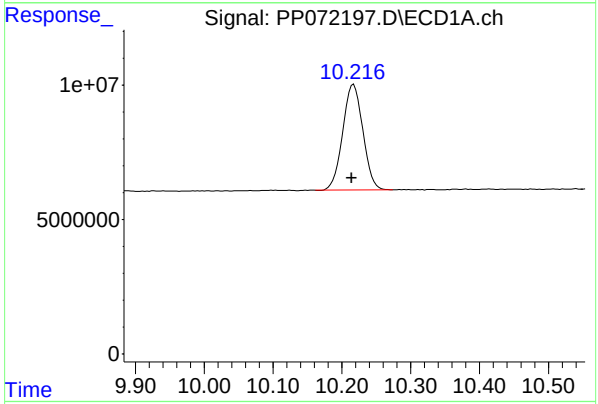
R.T.: 4.504 min
Delta R.T.: 0.006 min
Response: 99088078
Conc: 49.28 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1232



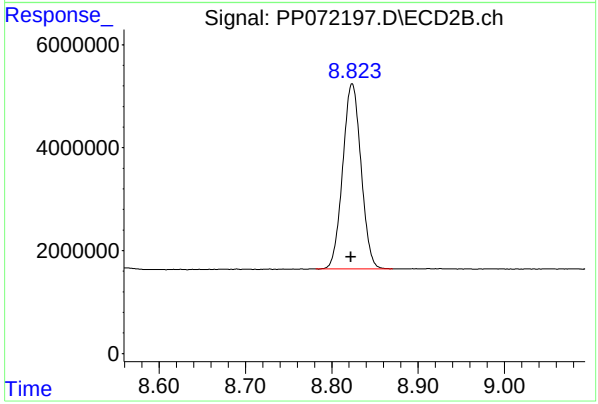

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.006 min
Response: 76822954
Conc: 48.06 ng/ml



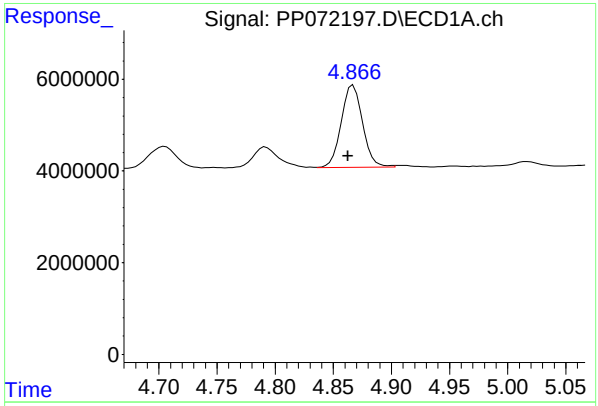

#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.003 min
Response: 80208843
Conc: 49.23 ng/ml




#2 Decachlorobiphenyl

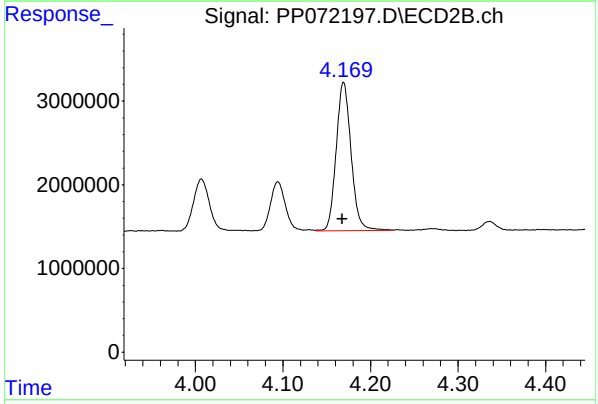
R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 53006313
Conc: 50.07 ng/ml




#11 AR-1232-1

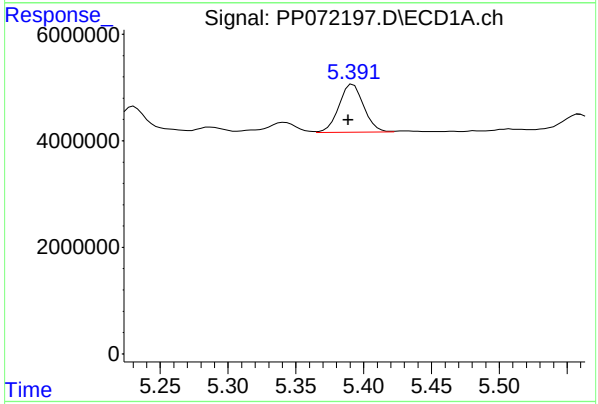
R.T.: 4.867 min
Delta R.T.: 0.004 min
Response: 22860124
Conc: 485.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1232



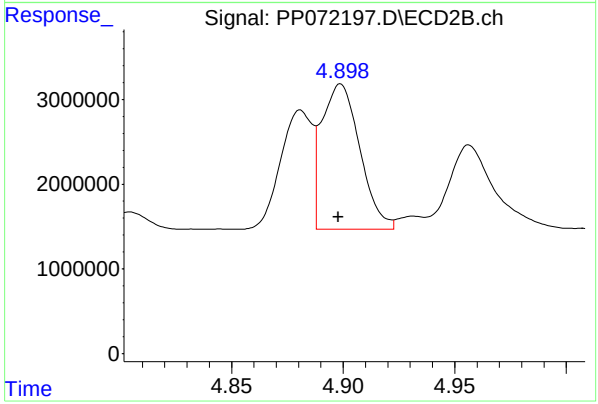

#11 AR-1232-1

R.T.: 4.169 min
Delta R.T.: 0.002 min
Response: 20991950
Conc: 484.30 ng/ml



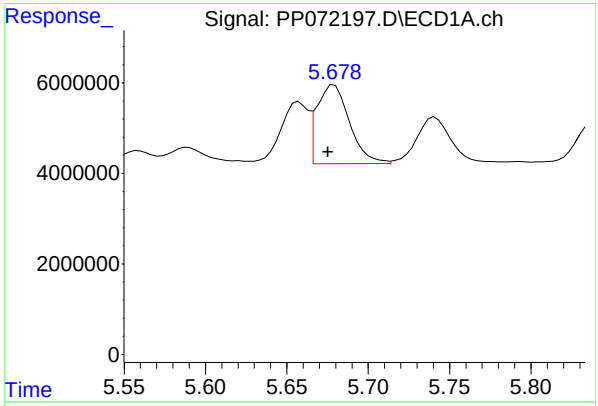

#12 AR-1232-2

R.T.: 5.392 min
Delta R.T.: 0.003 min
Response: 11426080
Conc: 490.74 ng/ml




#12 AR-1232-2

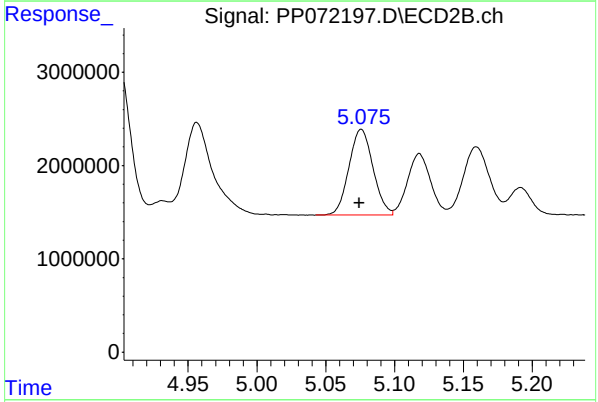
R.T.: 4.899 min
Delta R.T.: 0.001 min
Response: 20405975
Conc: 461.88 ng/ml




#13 AR-1232-3

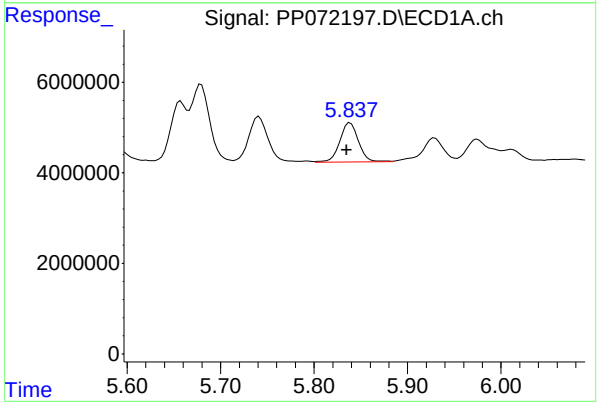
R.T.: 5.679 min
Delta R.T.: 0.004 min
Response: 24392843
Conc: 487.24 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1232



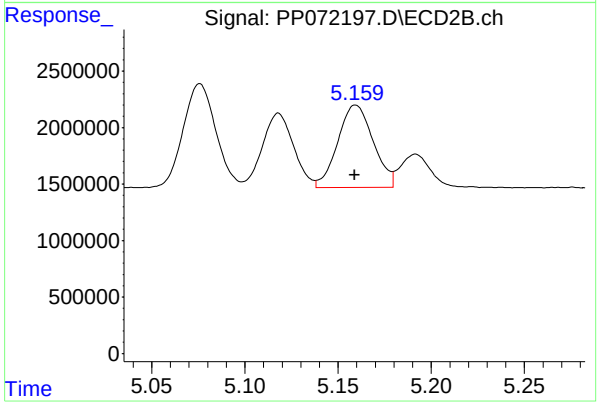

#13 AR-1232-3

R.T.: 5.076 min
Delta R.T.: 0.001 min
Response: 11207066
Conc: 479.28 ng/ml



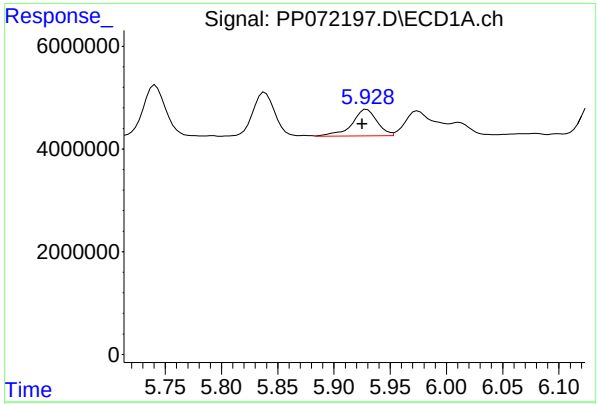

#14 AR-1232-4

R.T.: 5.839 min
Delta R.T.: 0.004 min
Response: 11984156
Conc: 477.47 ng/ml




#14 AR-1232-4

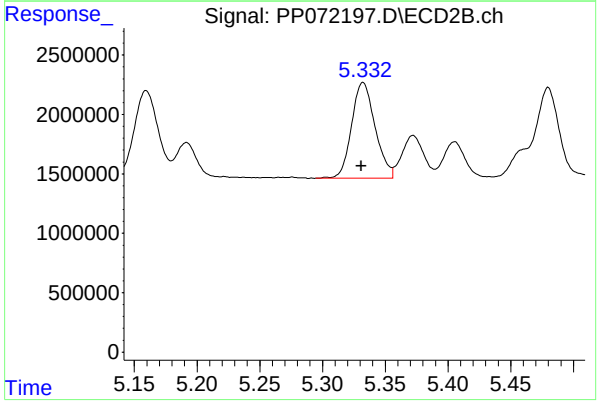
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 9670115
Conc: 466.70 ng/ml




#15 AR-1232-5

R.T.: 5.929 min
Delta R.T.: 0.004 min
Response: 8016086
Conc: 457.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1232




#15 AR-1232-5

R.T.: 5.332 min
Delta R.T.: 0.002 min
Response: 10482162
Conc: 452.71 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:47
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.798 | 96787545 | 76508111 | 48.134 | 47.867 |
| 2) | SA Decachlor... | 10.213 | 8.825 | 81177144 | 55473433 | 49.829 | 52.403 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.655 | 4.882 | 30009936 | 25988486 | 479.412 | 498.739 |
| 17) | L4 AR-1242-2 | 5.676 | 4.900 | 44873042 | 37823387 | 517.091 | 514.630 |
| 18) | L4 AR-1242-3 | 5.739 | 5.077 | 26969959 | 20511520 | 489.776 | 524.249 |
| 19) | L4 AR-1242-4 | 5.836 | 5.161 | 22146348 | 19605635 | 499.365 | 521.665 |
| 20) | L4 AR-1242-5 | 6.567 | 5.684 | 24841123 | 25039100 | 487.226 | 518.863 |

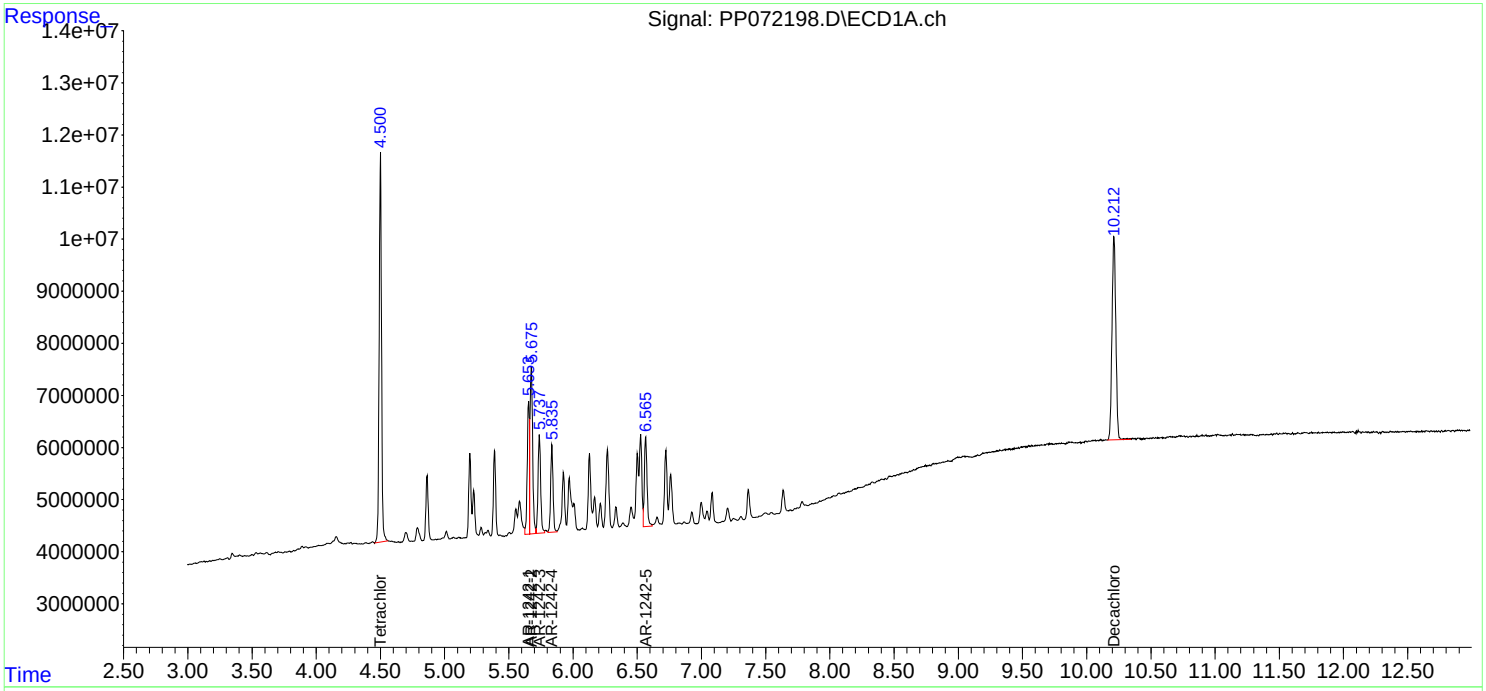
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

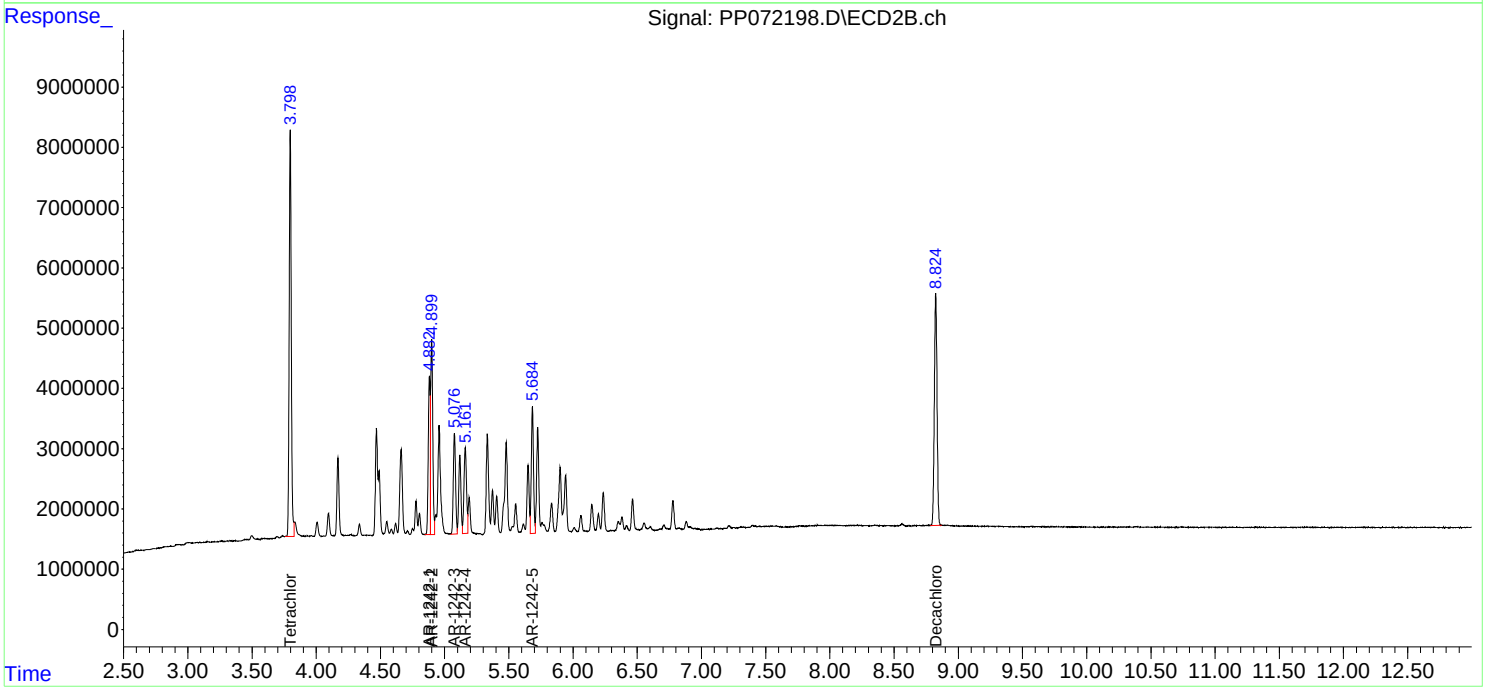
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:47
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

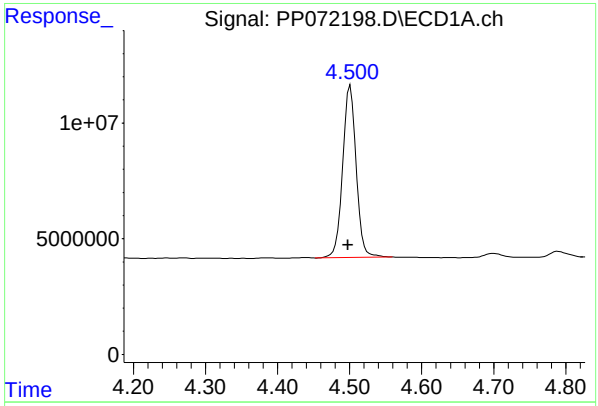
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



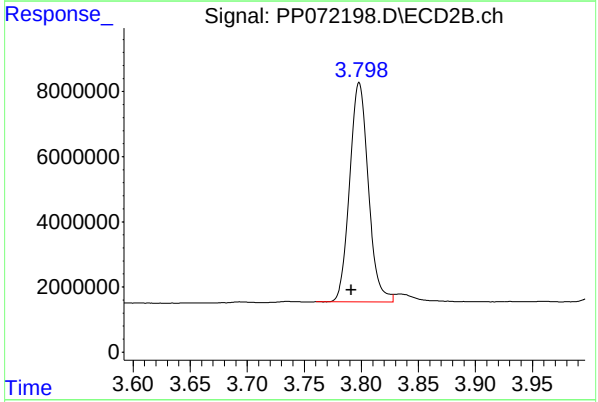






#1 Tetrachloro-m-xylene

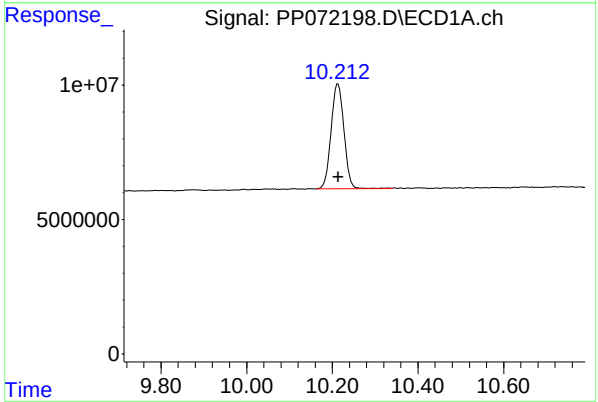
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 96787545
Conc: 48.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1242



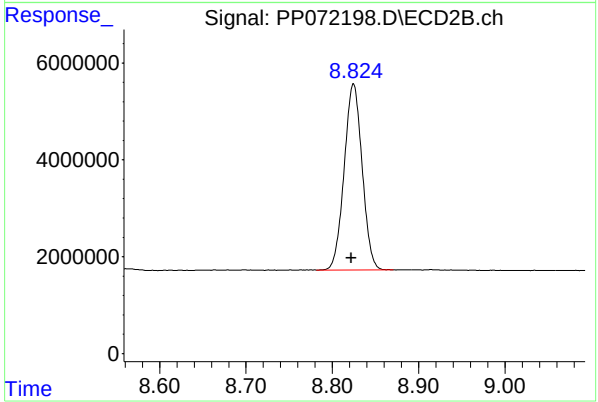

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 76508111
Conc: 47.87 ng/ml



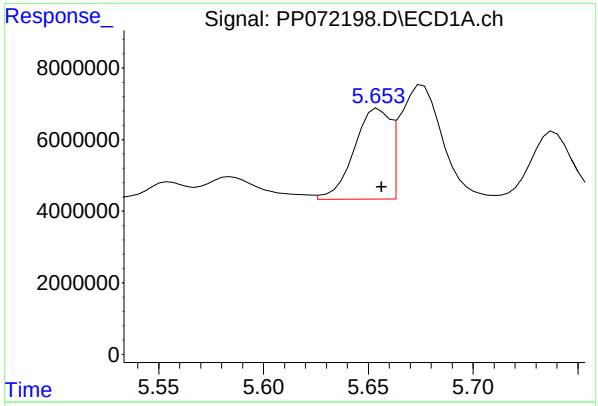

#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 81177144
Conc: 49.83 ng/ml




#2 Decachlorobiphenyl

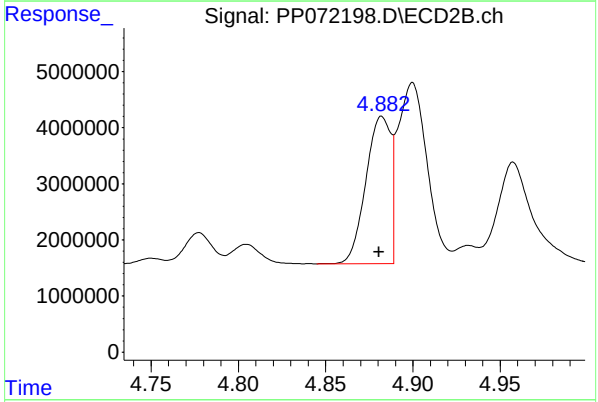
R.T.: 8.825 min
Delta R.T.: 0.002 min
Response: 55473433
Conc: 52.40 ng/ml




#16 AR-1242-1

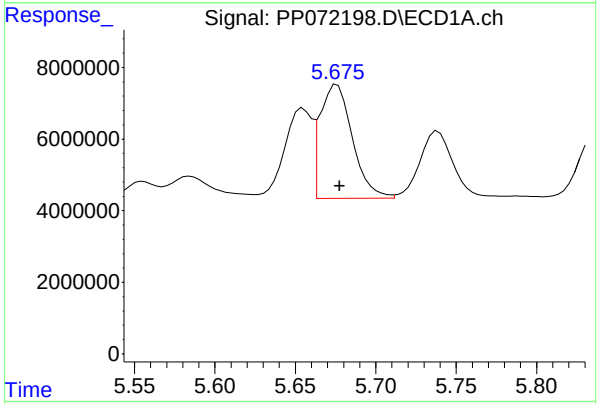
R.T.: 5.655 min
Delta R.T.: -0.002 min
Response: 30009936
Conc: 479.41 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1242



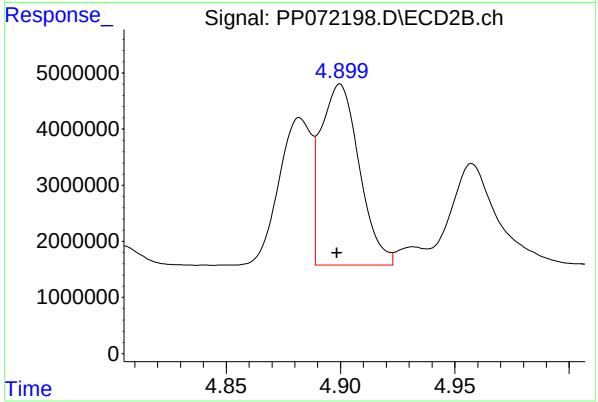

#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.002 min
Response: 25988486
Conc: 498.74 ng/ml



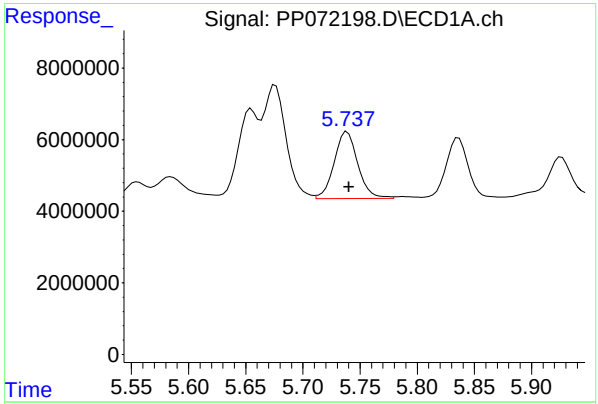

#17 AR-1242-2

R.T.: 5.676 min
Delta R.T.: -0.002 min
Response: 44873042
Conc: 517.09 ng/ml




#17 AR-1242-2

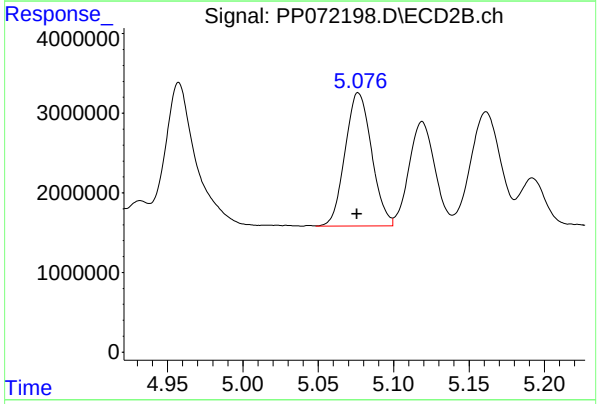
R.T.: 4.900 min
Delta R.T.: 0.001 min
Response: 37823387
Conc: 514.63 ng/ml




#18 AR-1242-3

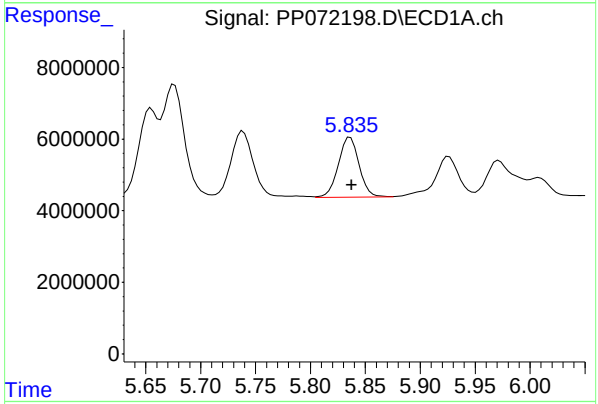
R.T.: 5.739 min
Delta R.T.: -0.002 min
Response: 26969959
Conc: 489.78 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1242



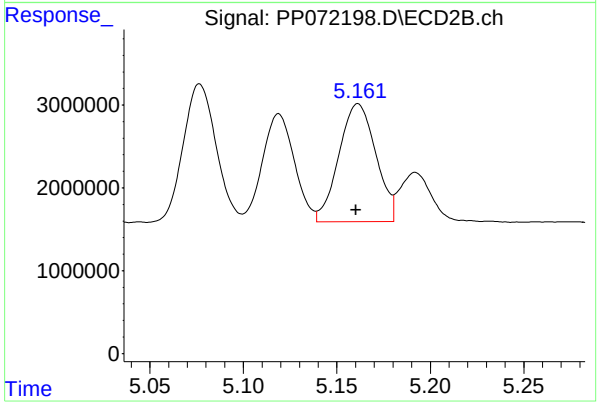

#18 AR-1242-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 20511520
Conc: 524.25 ng/ml



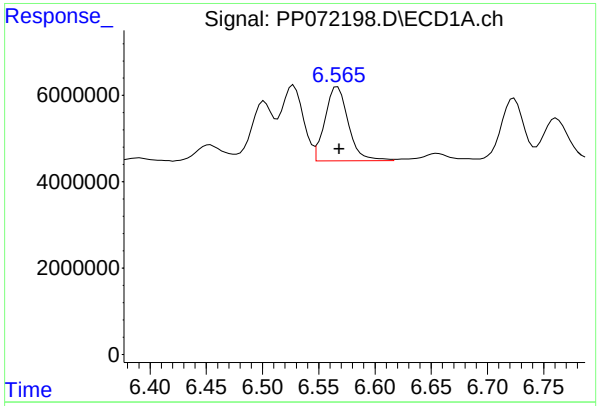

#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: -0.001 min
Response: 22146348
Conc: 499.36 ng/ml




#19 AR-1242-4

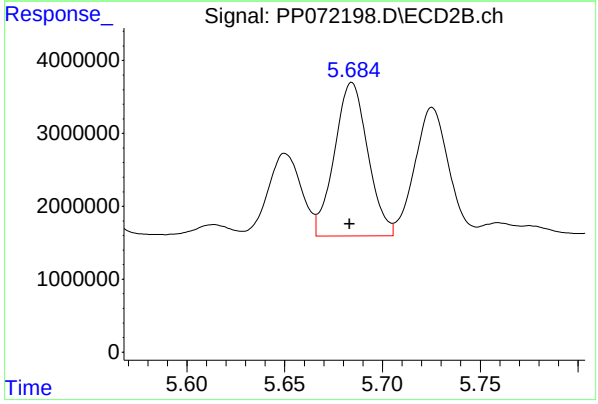
R.T.: 5.161 min
Delta R.T.: 0.001 min
Response: 19605635
Conc: 521.67 ng/ml




#20 AR-1242-5

R.T.: 6.567 min
Delta R.T.: -0.002 mi
Response: 24841123
Conc: 487.23 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1242




#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.001 min
Response: 25039100
Conc: 518.86 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.798 | 99024800 | 84569869 | 49.246 | 52.910 |
| 2) | SA Decachlor... | 10.212 | 8.824 | 83034822 | 56507020 | 50.969 | 53.379 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.656 | 4.881 | 23569496 | 21026666 | 487.019 | 485.362 |
| 22) | L5 AR-1248-2 | 5.927 | 5.119 | 30714899 | 27827558 | 506.512 | 492.721 |
| 23) | L5 AR-1248-3 | 6.130 | 5.161 | 34359439 | 29174304 | 519.181 | 493.584 |
| 24) | L5 AR-1248-4 | 6.529 | 5.333 | 44131890 | 34133080 | 504.987 | 490.046 |
| 25) | L5 AR-1248-5 | 6.568 | 5.725 | 42053839 | 34467498 | 506.516 | 494.232 |

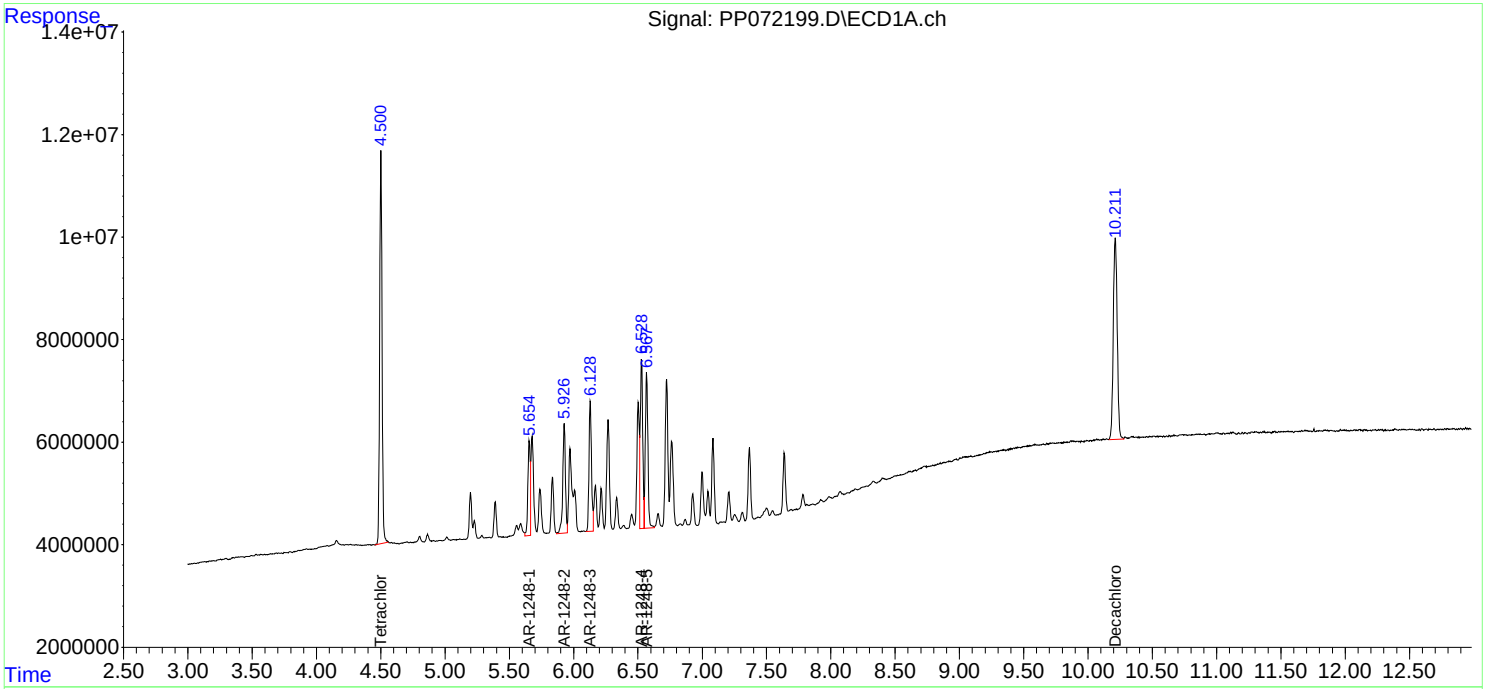
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

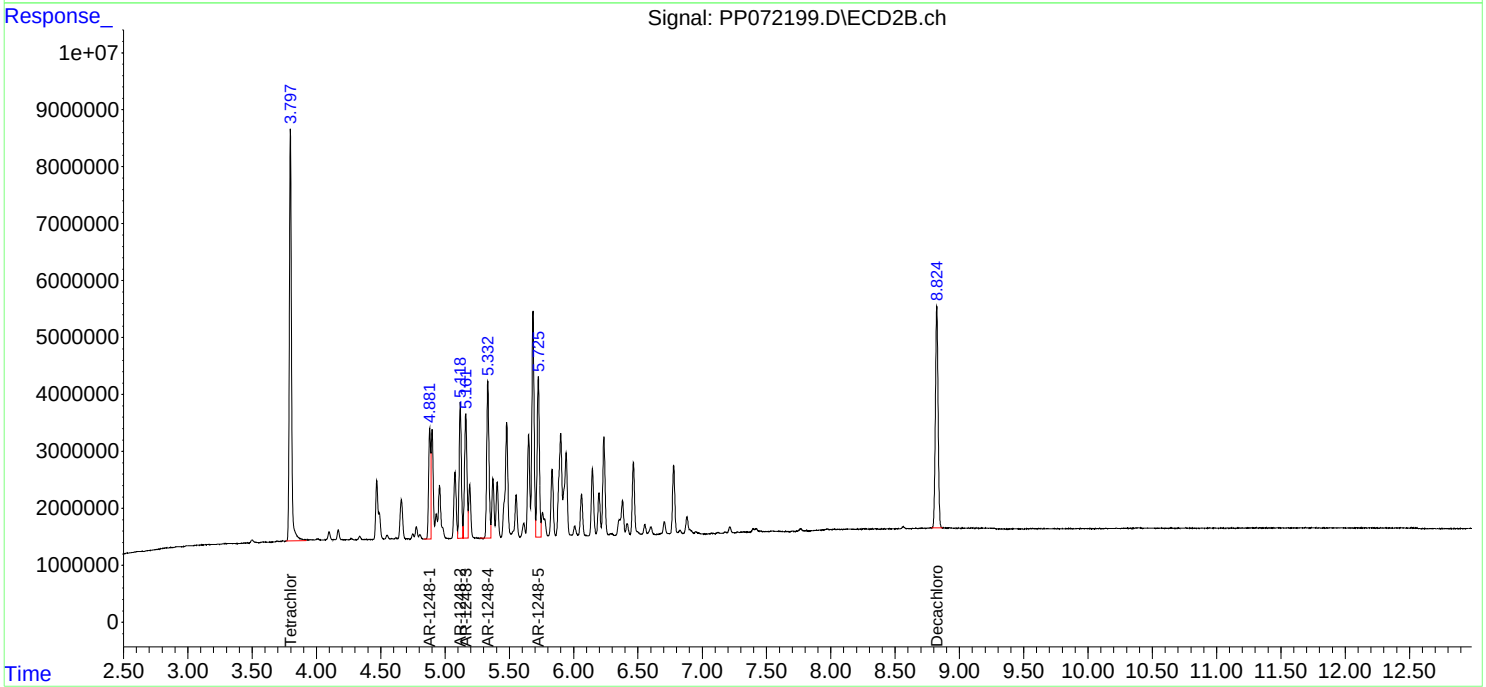
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

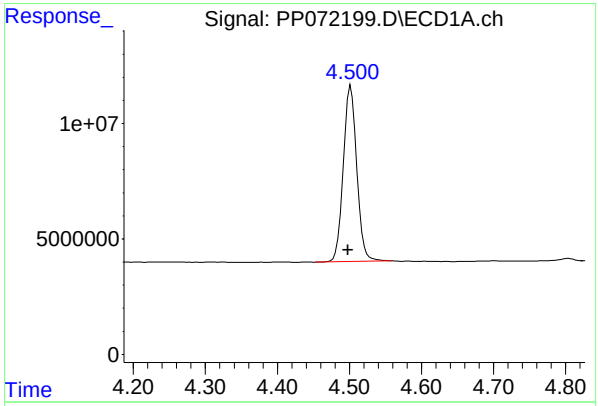
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



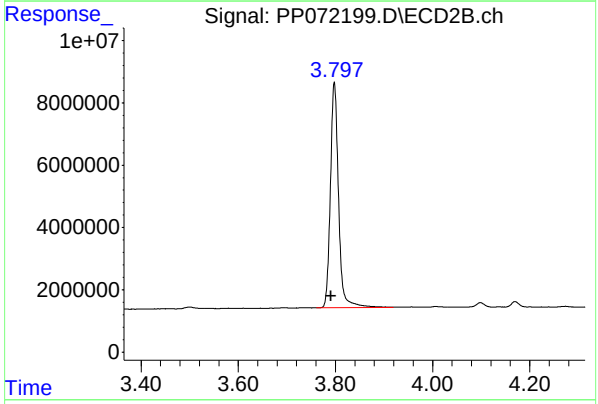






#1 Tetrachloro-m-xylene

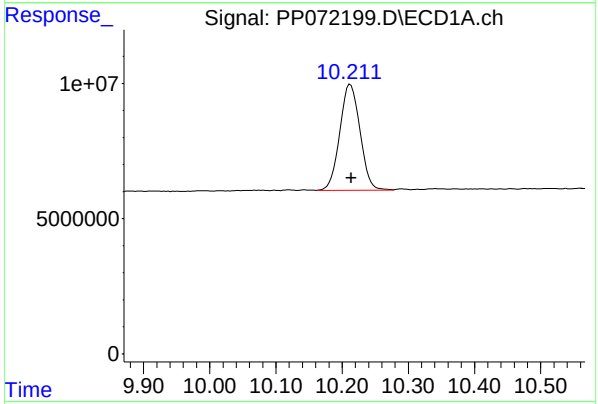
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 99024800
Conc: 49.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1248



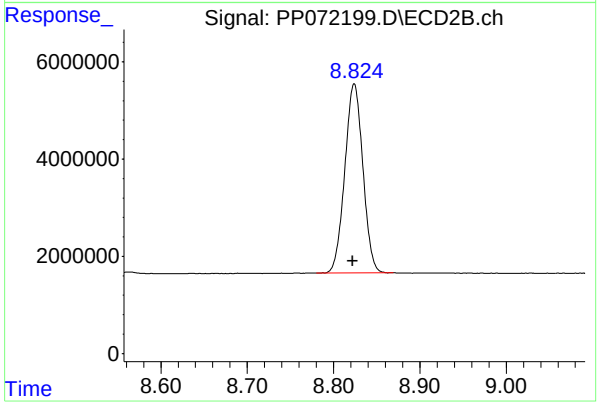

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 84569869
Conc: 52.91 ng/ml



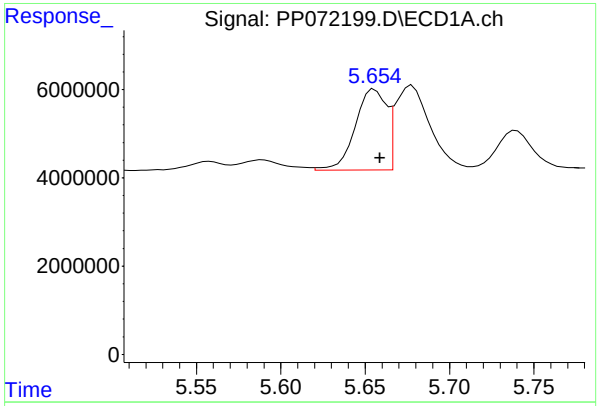

#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.002 min
Response: 83034822
Conc: 50.97 ng/ml




#2 Decachlorobiphenyl

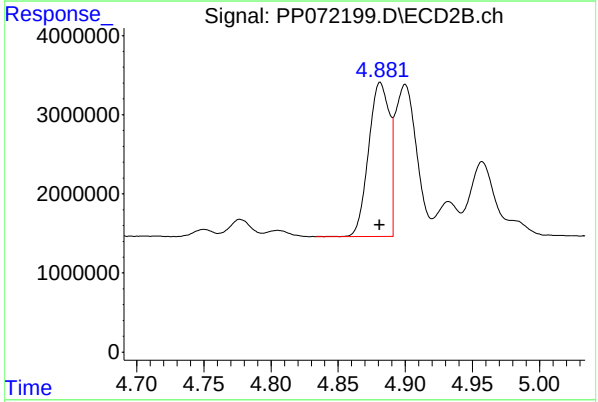
R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 56507020
Conc: 53.38 ng/ml




#21 AR-1248-1

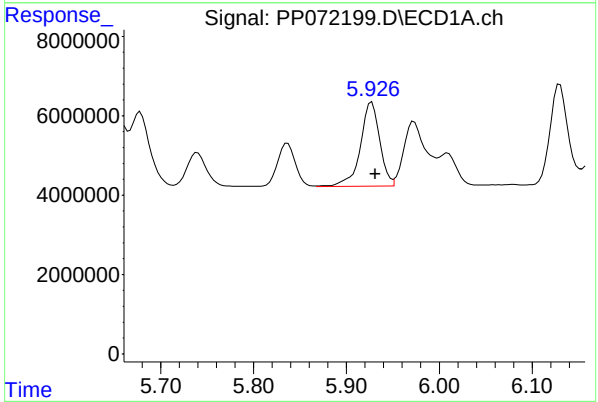
R.T.: 5.656 min
Delta R.T.: -0.003 min
Response: 23569496
Conc: 487.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1248



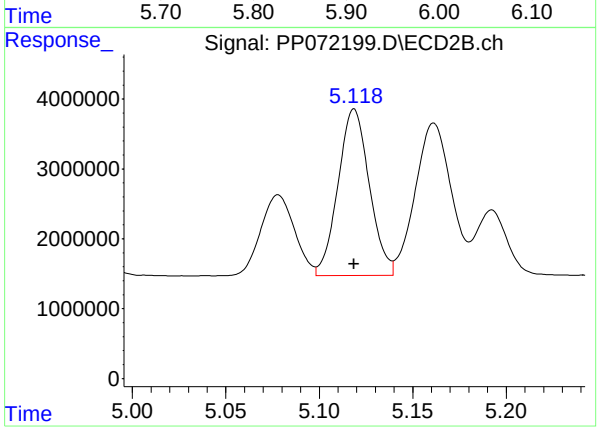

#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 21026666
Conc: 485.36 ng/ml



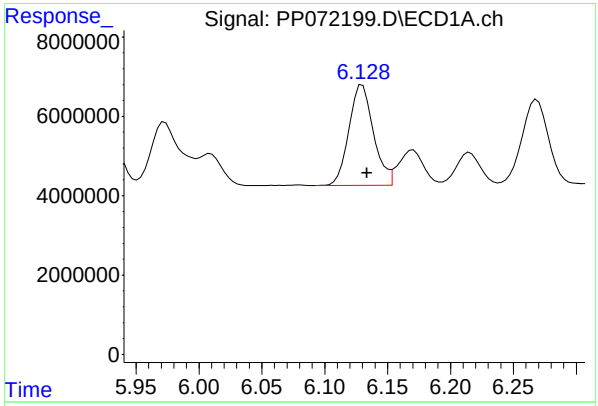

#22 AR-1248-2

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 30714899
Conc: 506.51 ng/ml




#22 AR-1248-2

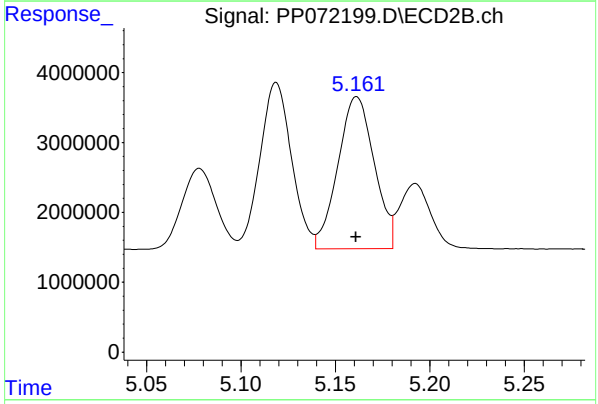
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 27827558
Conc: 492.72 ng/ml




#23 AR-1248-3

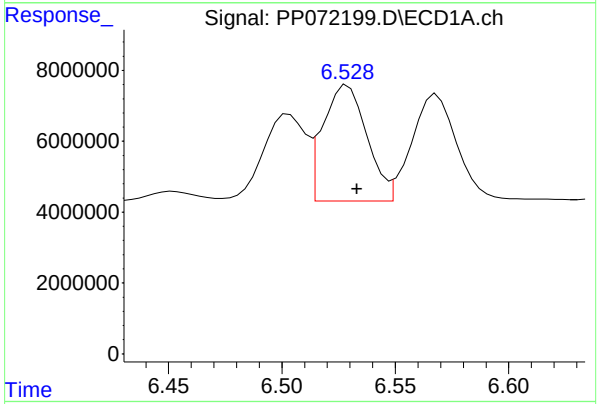
R.T.: 6.130 min
Delta R.T.: -0.004 min
Response: 34359439
Conc: 519.18 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1248



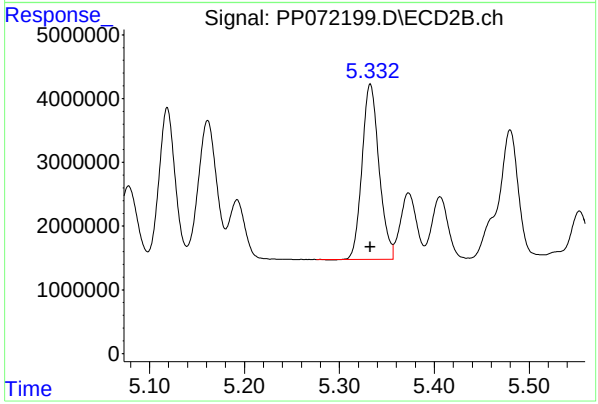

#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 29174304
Conc: 493.58 ng/ml



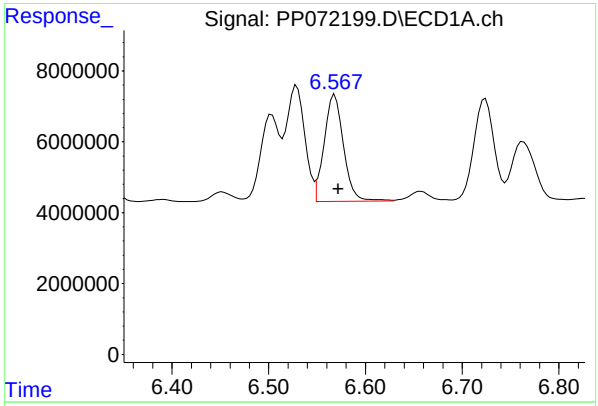

#24 AR-1248-4

R.T.: 6.529 min
Delta R.T.: -0.004 min
Response: 44131890
Conc: 504.99 ng/ml




#24 AR-1248-4

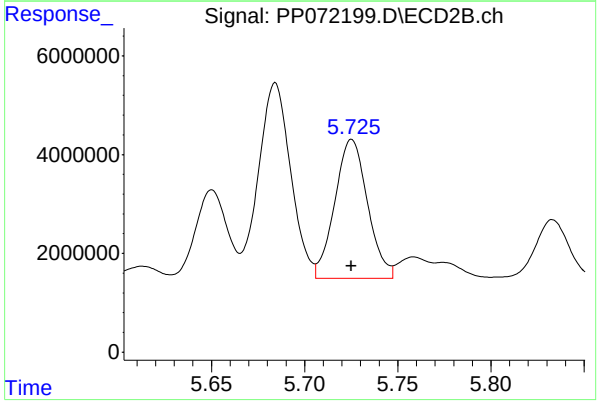
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 34133080
Conc: 490.05 ng/ml




#25 AR-1248-5

R.T.: 6.568 min
Delta R.T.: -0.003 min
Response: 42053839
Conc: 506.52 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1248




#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 34467498
Conc: 494.23 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:52
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.797 | 100.3E6 | 87142783 | 49.887 | 54.520 |
| 2) | SA Decachlor... | 10.214 | 8.823 | 83987433 | 56189590 | 51.554 | 53.079 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.506 | 5.684 | 43414677 | 50851971 | 504.803 | 508.752 |
| 27) | L6 AR-1254-2 | 6.722 | 5.832 | 65079227 | 43668465 | 498.015 | 505.967 |
| 28) | L6 AR-1254-3 | 7.085 | 6.235 | 66155023 | 67680378 | 501.163 | 526.201 |
| 29) | L6 AR-1254-4 | 7.367 | 6.463 | 61672158 | 43977452 | 472.545 | 515.584 |
| 30) | L6 AR-1254-5 | 7.784 | 6.881 | 58110470 | 59298415 | 522.357 | 523.137 |

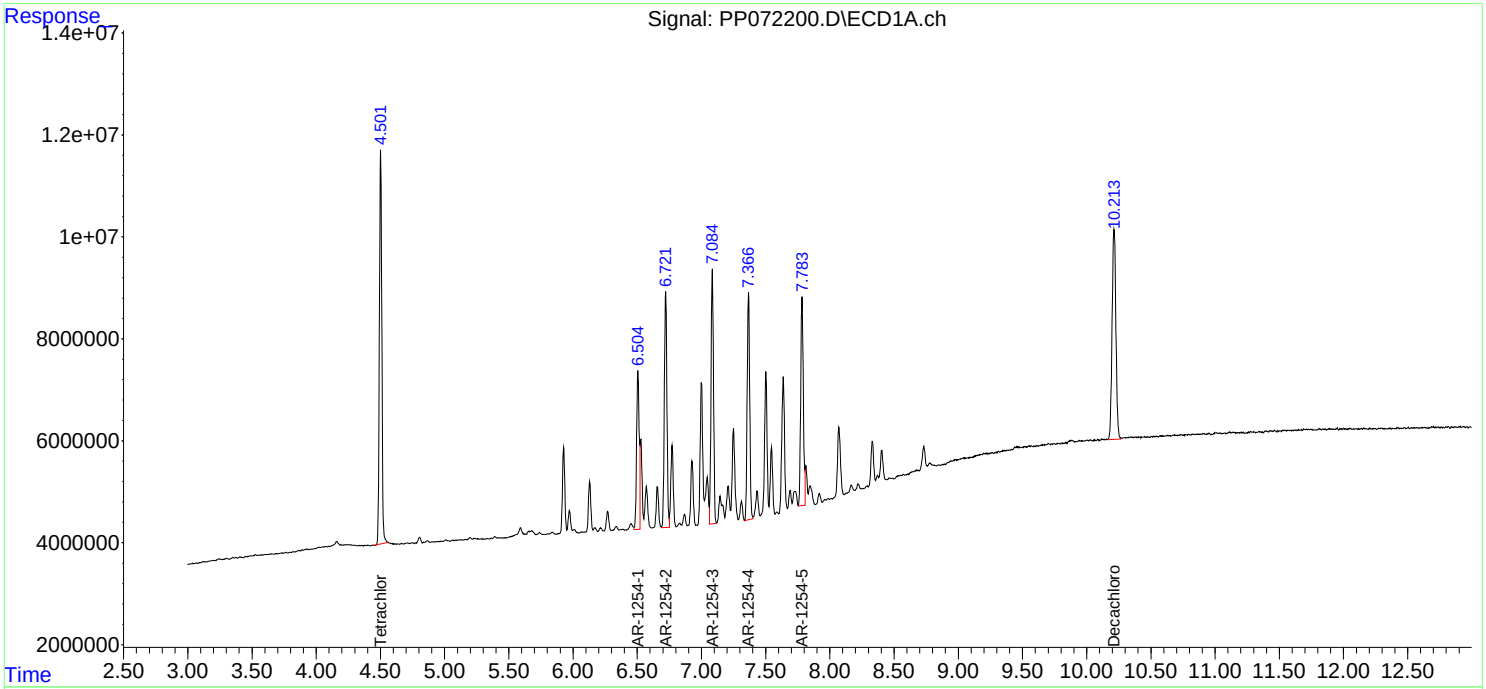
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

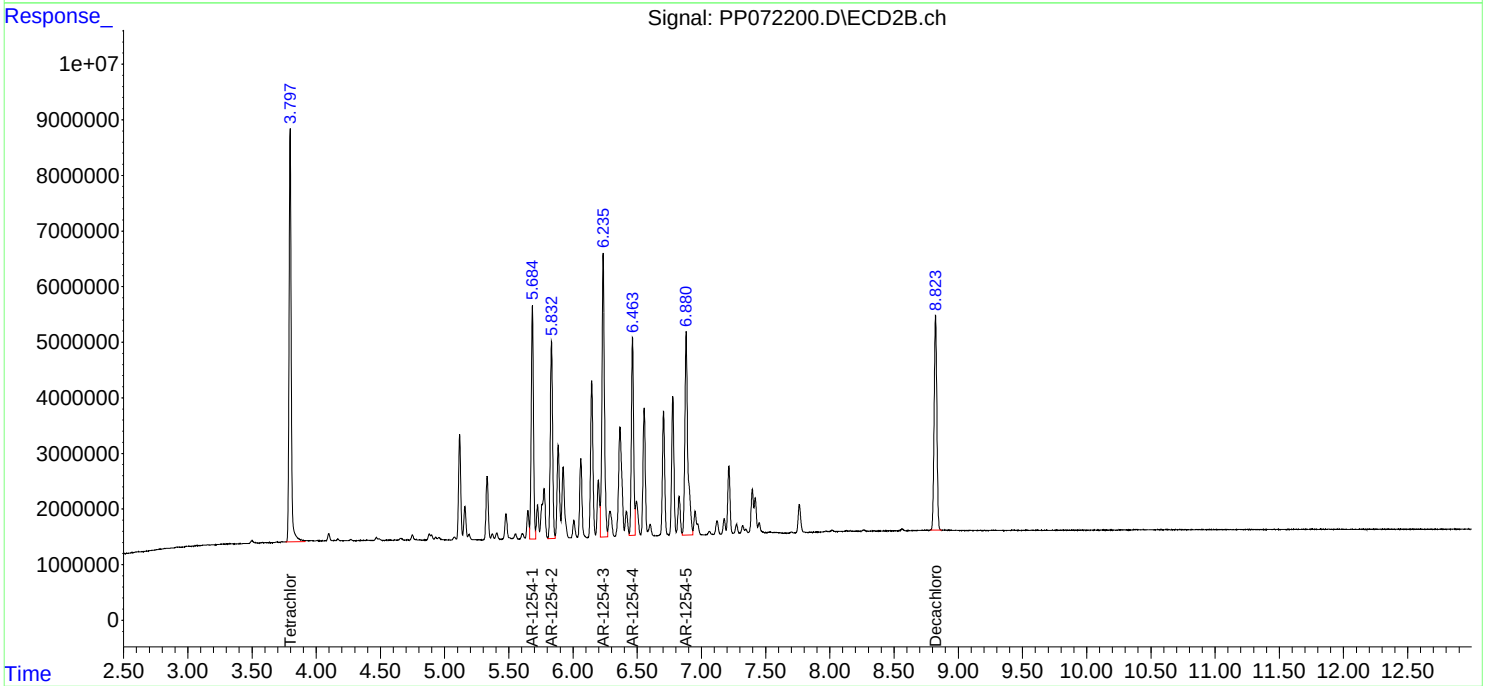
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:52
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

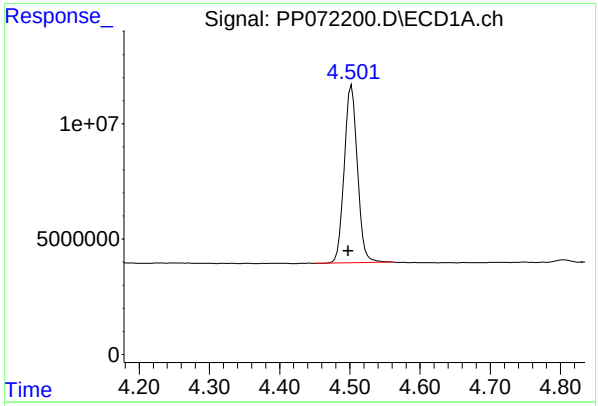
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



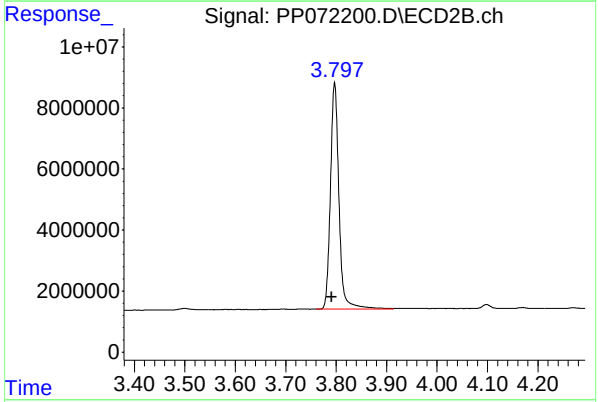






#1 Tetrachloro-m-xylene

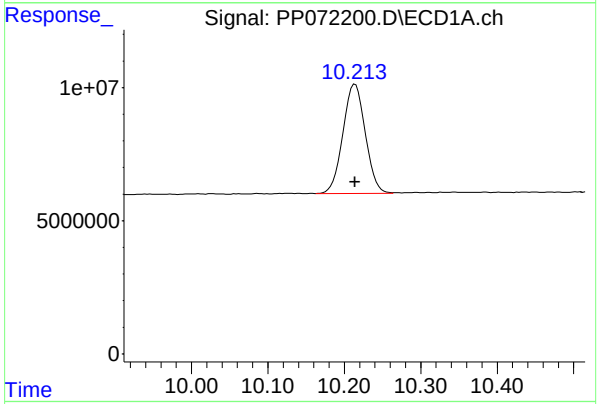
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 100311884
Conc: 49.89 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1254



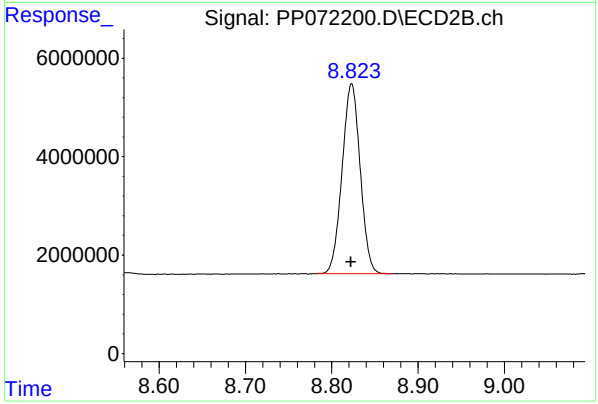

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 87142783
Conc: 54.52 ng/ml



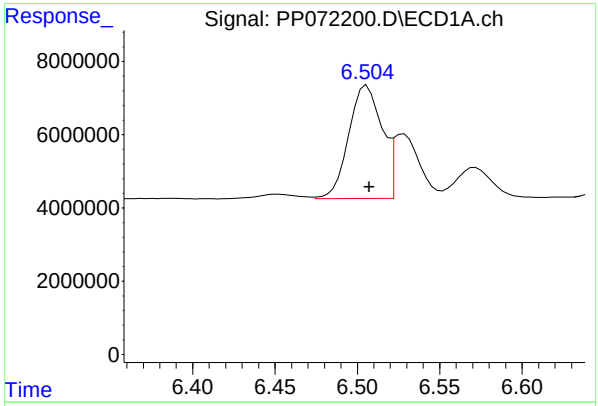

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 83987433
Conc: 51.55 ng/ml




#2 Decachlorobiphenyl

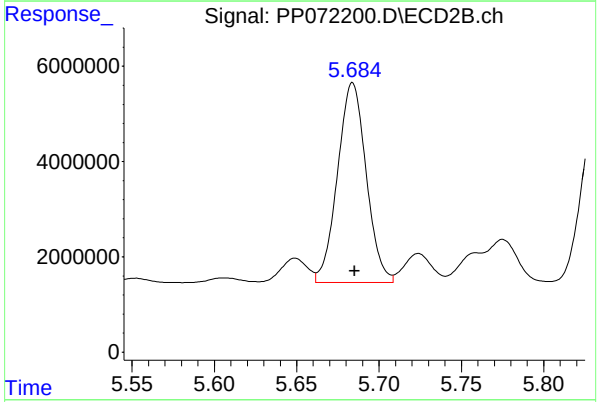
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 56189590
Conc: 53.08 ng/ml




#26 AR-1254-1

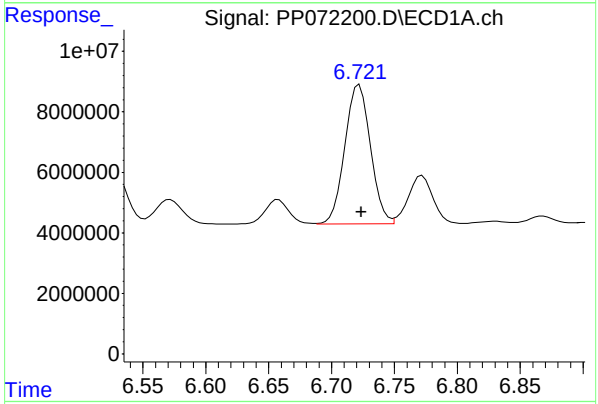
R.T.: 6.506 min
Delta R.T.: -0.002 min
Response: 43414677
Conc: 504.80 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1254



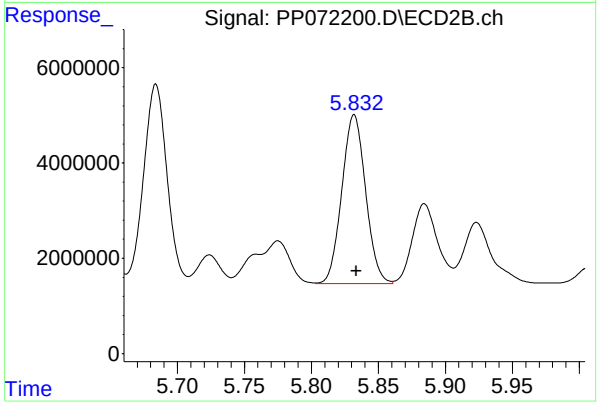

#26 AR-1254-1

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 50851971
Conc: 508.75 ng/ml



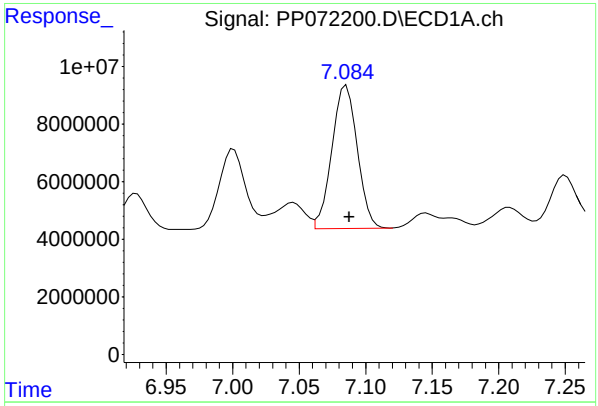

#27 AR-1254-2

R.T.: 6.722 min
Delta R.T.: -0.002 min
Response: 65079227
Conc: 498.01 ng/ml




#27 AR-1254-2

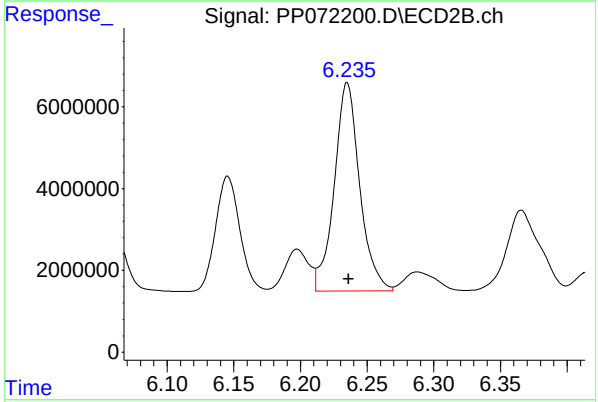
R.T.: 5.832 min
Delta R.T.: -0.002 min
Response: 43668465
Conc: 505.97 ng/ml




#28 AR-1254-3

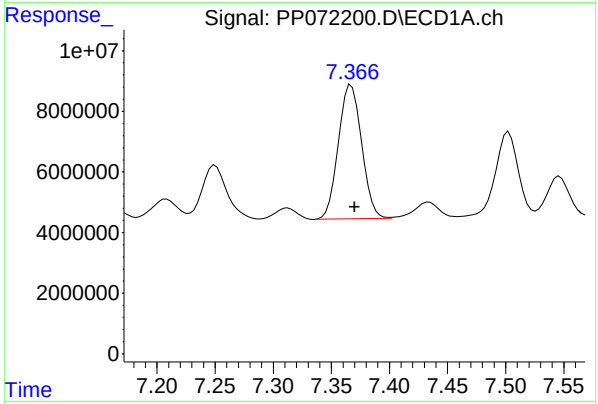
R.T.: 7.085 min
Delta R.T.: -0.002 min
Response: 66155023
Conc: 501.16 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1254



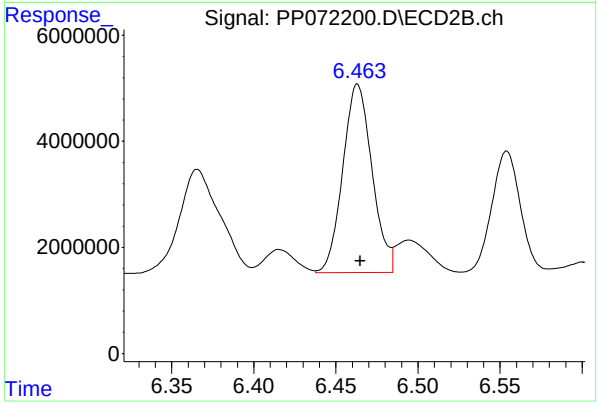

#28 AR-1254-3

R.T.: 6.235 min
Delta R.T.: -0.001 min
Response: 67680378
Conc: 526.20 ng/ml



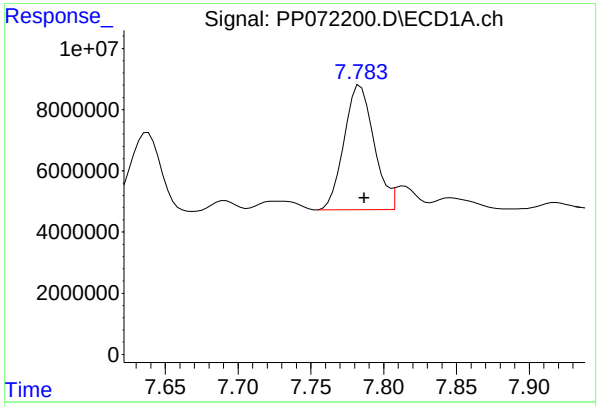

#29 AR-1254-4

R.T.: 7.367 min
Delta R.T.: -0.003 min
Response: 61672158
Conc: 472.54 ng/ml




#29 AR-1254-4

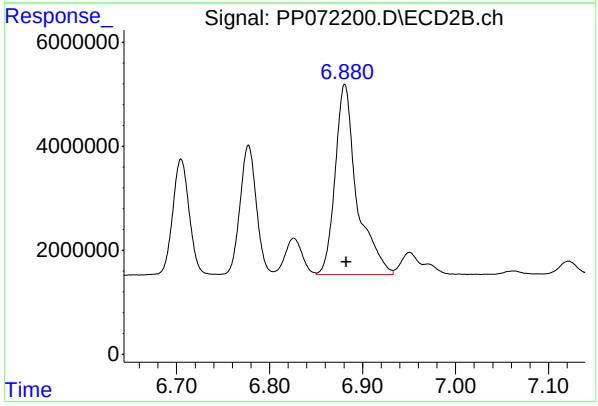
R.T.: 6.463 min
Delta R.T.: -0.002 min
Response: 43977452
Conc: 515.58 ng/ml




#30 AR-1254-5

R.T.: 7.784 min
Delta R.T.: -0.003 min
Response: 58110470
Conc: 522.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1254




#30 AR-1254-5

R.T.: 6.881 min
Delta R.T.: -0.002 min
Response: 59298415
Conc: 523.14 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:25
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:19:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.504 | 3.798 | 100.4E6 | 87828193 | 52.612 | 54.920 |
| 2) | SA Decachlor... | 10.216 | 8.824 | 147.5E6 | 102.0E6 | 52.061 | 53.249 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.720 | 7.702 | 171.0E6 | 124.0E6 | 513.323 | 529.555 |
| 42) | L9 AR-1268-2 | 8.812 | 7.768 | 144.0E6 | 108.9E6 | 514.169 | 526.775 |
| 43) | L9 AR-1268-3 | 9.044 | 7.971 | 123.7E6 | 91750131 | 512.196 | 541.712 |
| 44) | L9 AR-1268-4 | 9.463 | 8.266 | 54675516 | 40276953 | 520.976 | 552.065 |
| 45) | L9 AR-1268-5 | 9.877 | 8.565 | 344.9E6 | 244.7E6 | 509.466 | 535.577 |

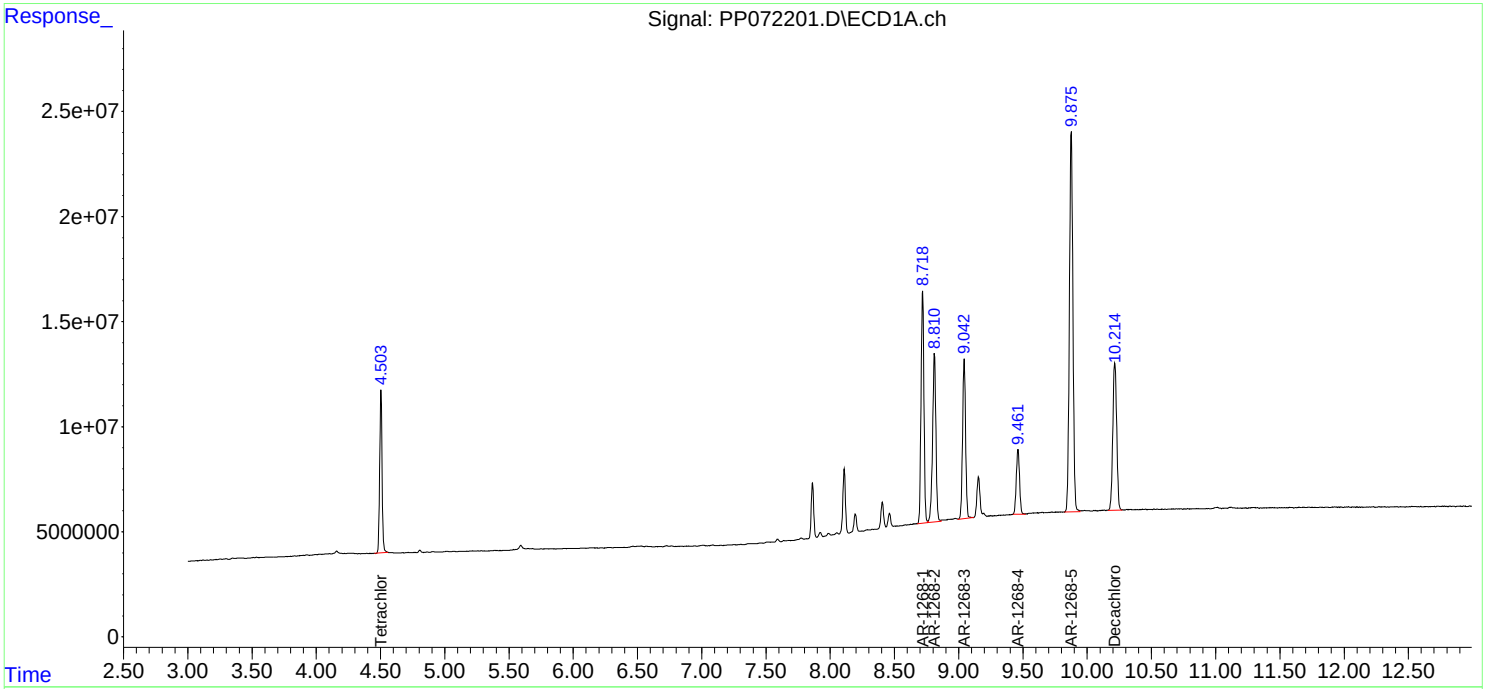
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

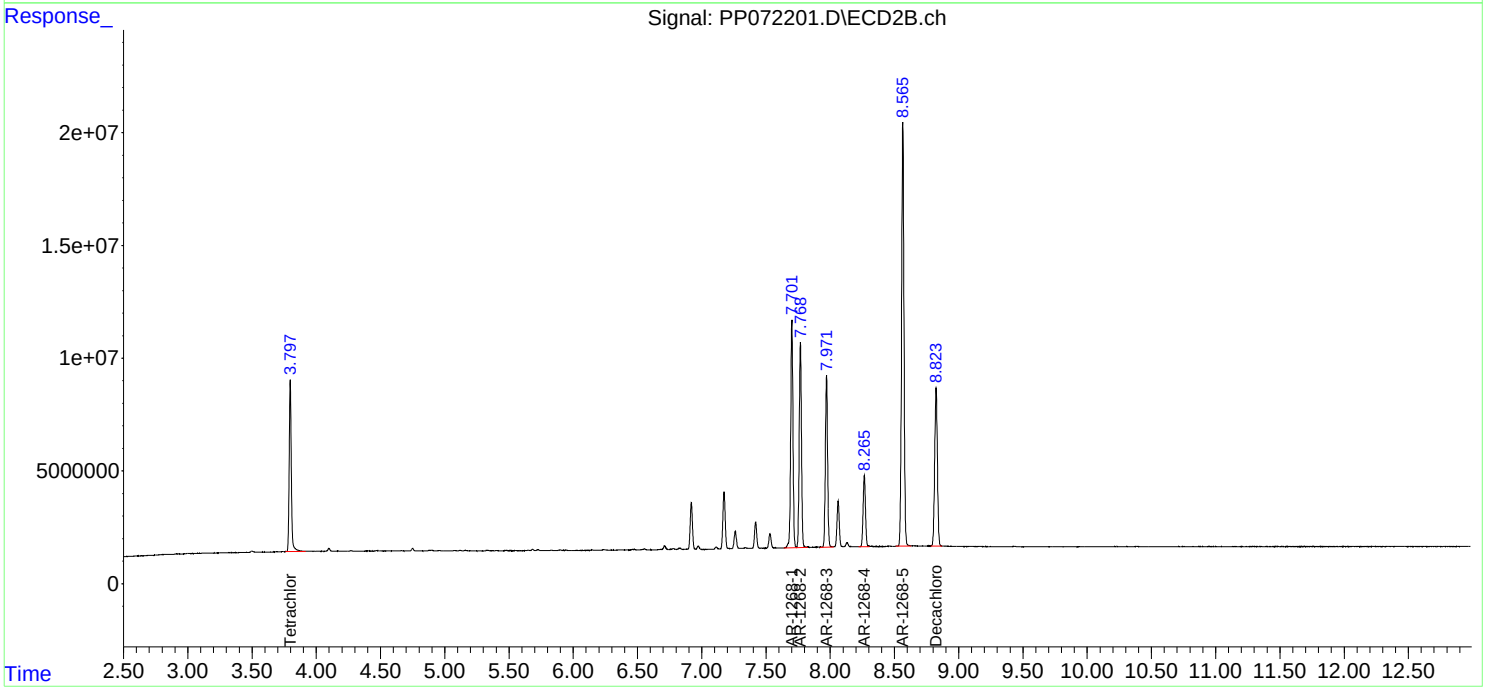
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:25
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

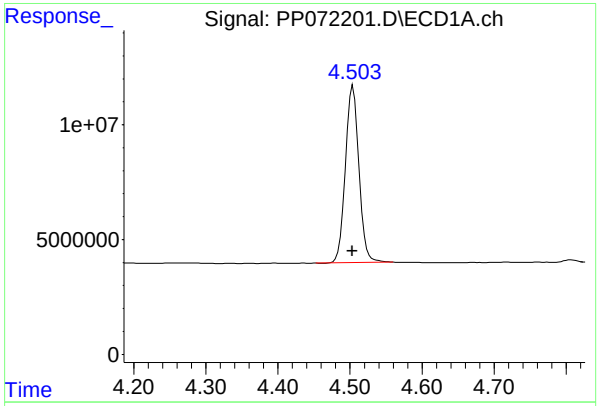
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:19:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



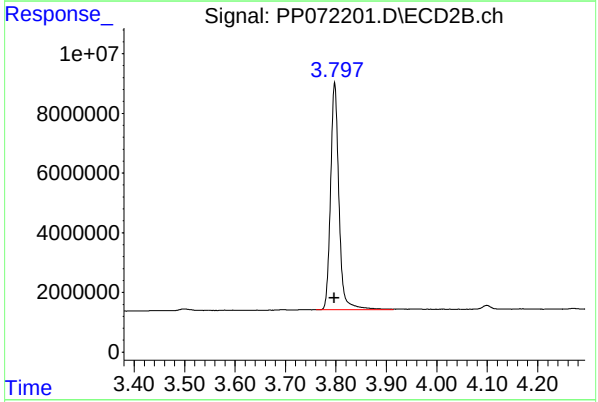






#1 Tetrachloro-m-xylene

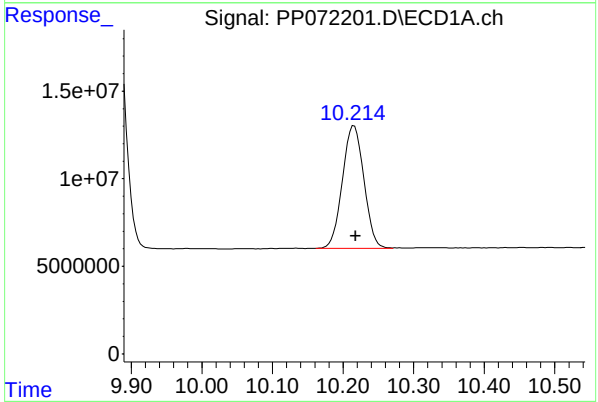
R.T.: 4.504 min
Delta R.T.: 0.001 min
Response: 100428781
Conc: 52.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1268



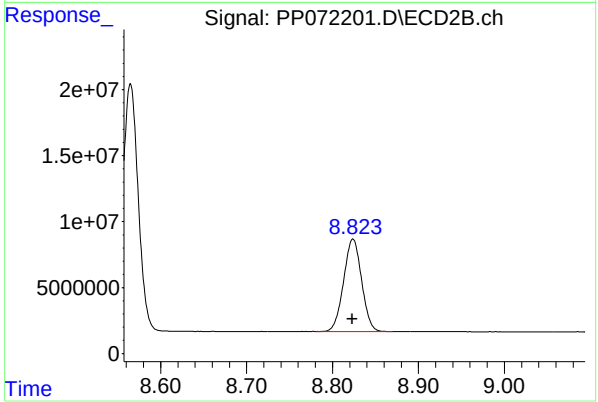

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 87828193
Conc: 54.92 ng/ml



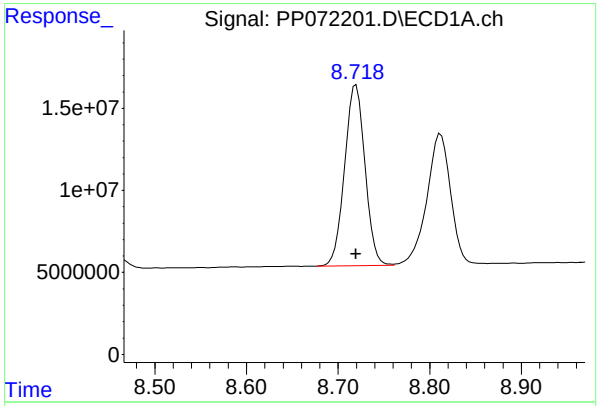

#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.002 min
Response: 147465994
Conc: 52.06 ng/ml




#2 Decachlorobiphenyl

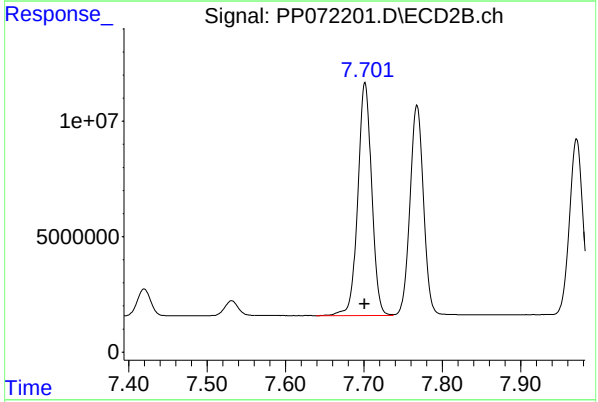
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 101950666
Conc: 53.25 ng/ml




#41 AR-1268-1

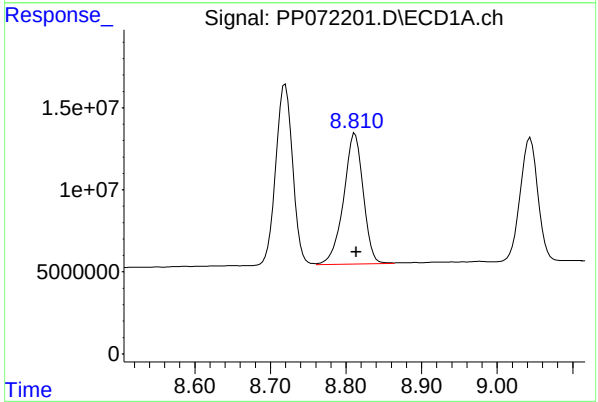
R.T.: 8.720 min
Delta R.T.: 0.000 min
Response: 171014372
Conc: 513.32 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1268



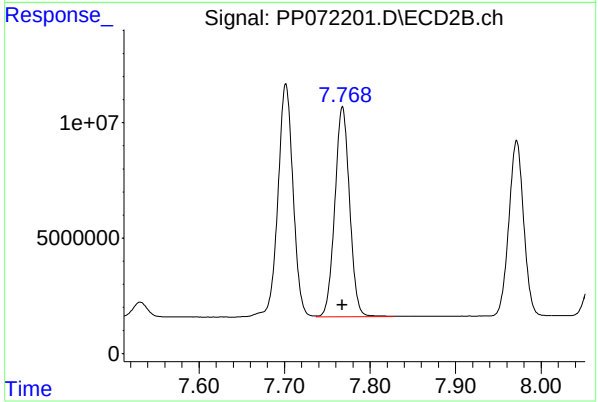

#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 124031081
Conc: 529.56 ng/ml



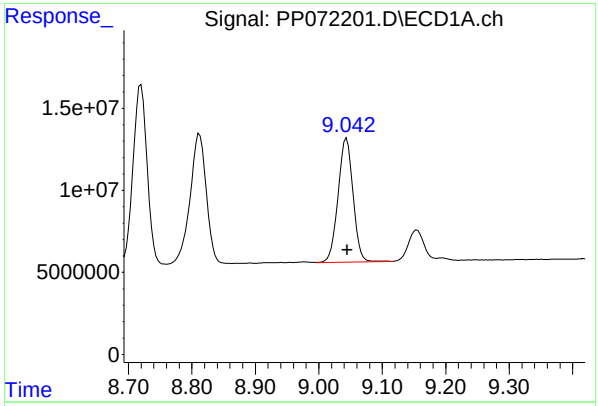

#42 AR-1268-2

R.T.: 8.812 min
Delta R.T.: -0.002 min
Response: 143961364
Conc: 514.17 ng/ml




#42 AR-1268-2

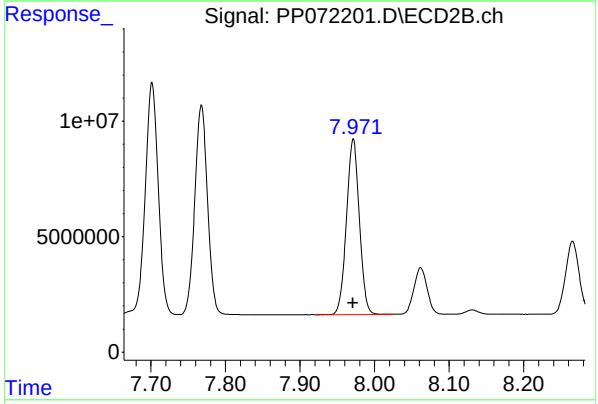
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 108947480
Conc: 526.78 ng/ml




#43 AR-1268-3

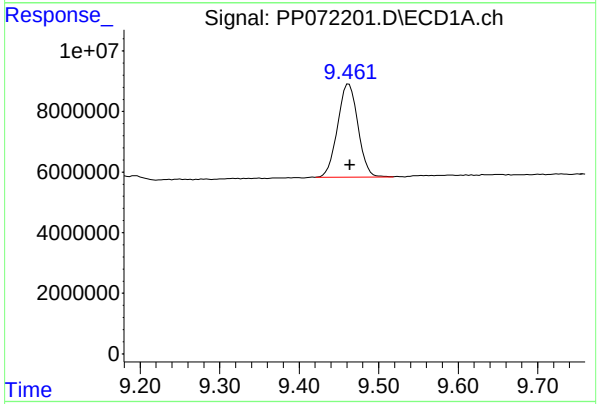
R.T.: 9.044 min
Delta R.T.: -0.001 min
Response: 123677575
Conc: 512.20 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1268



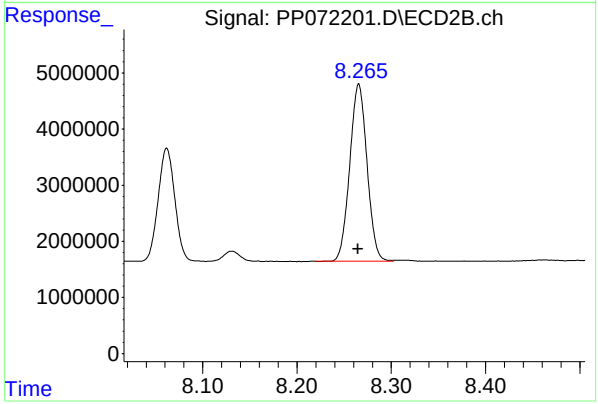

#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 91750131
Conc: 541.71 ng/ml



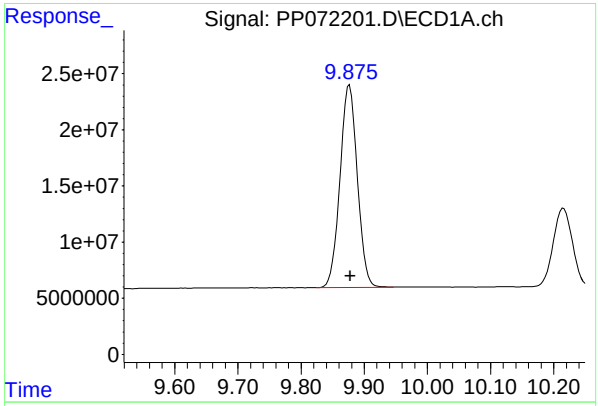

#44 AR-1268-4

R.T.: 9.463 min
Delta R.T.: -0.001 min
Response: 54675516
Conc: 520.98 ng/ml




#44 AR-1268-4

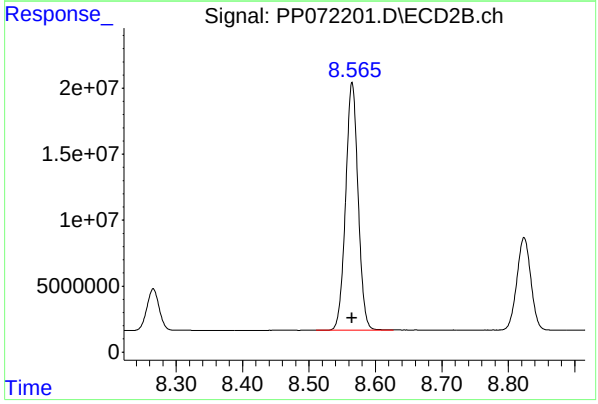
R.T.: 8.266 min
Delta R.T.: 0.000 min
Response: 40276953
Conc: 552.07 ng/ml




#45 AR-1268-5

R.T.: 9.877 min
Delta R.T.: -0.001 min
Response: 344908763
Conc: 509.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP051925AR1268




#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: 0.000 min
Response: 244738283
Conc: 535.58 ng/ml

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

**Calibration Times:** 00:10 01:16

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

**LAB FILE ID:** RT 1000 = PP072341.D RT 750 = PP072342.D

RT 500 = PP072343.D RT 250 = PP072344.D RT 050 = PP072345.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.60 | 4.80 |
| Aroclor-1221-2 | (2) | 4.79 | 4.79 | 4.79 | 4.79 | 4.79 | 4.79 | 4.69 | 4.89 |
| Aroclor-1221-3 | (3) | 4.87 | 4.86 | 4.86 | 4.87 | 4.86 | 4.86 | 4.76 | 4.96 |
| Decachlorobiphenyl | | 10.21 | 10.20 | 10.21 | 10.21 | 10.21 | 10.21 | 10.11 | 10.31 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.40 | 4.60 |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

**Calibration Times:** 00:10 01:16

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

**LAB FILE ID:** RT 1000 = PP072341.D RT 750 = PP072342.D

RT 500 = PP072343.D RT 250 = PP072344.D RT 050 = PP072345.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.01 | 4.01 | 4.01 | 4.01 | 4.01 | 4.01 | 3.91 | 4.11 |
| Aroclor-1221-2 | (2) | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 3.99 | 4.19 |
| Aroclor-1221-3 | (3) | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | 4.07 | 4.27 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.72 | 8.92 |
| Tetrachloro-m-xylene | | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.70 | 3.90 |

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Fax : 908 789 8922

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

**Calibration Times:** 00:10 01:16

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

**LAB FILE ID:** **CF 1000 =** PP072341.D **CF 750 =** PP072342.D

**CF 500 =** PP072343.D **CF 250 =** PP072344.D **CF 050 =** PP072345.D

| COMPOUND | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| Aroclor-1221-1 (1) | 24968587 | 25975575 | 27027744 | 28919436 | 23819440 | 26142156 | 7 |
| Aroclor-1221-2 (2) | 18746822 | 19383217 | 20503304 | 22500180 | 20862940 | 20399293 | 7 |
| Aroclor-1221-3 (3) | 56828533 | 59353579 | 62292258 | 64657668 | 59365160 | 60499440 | 5 |
| Decachlorobiphenyl | 1547037790 | 1607021893 | 1683520020 | 1701169640 | 1609305000 | 1629610869 | 4 |
| Tetrachloro-m-xylene | 1975205950 | 2043248813 | 2142343920 | 2182788720 | 1973734600 | 2063464401 | 5 |

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Fax : 908 789 8922

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Instrument ID:** ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

**Calibration Times:** 00:10 01:16

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

**LAB FILE ID:** **CF 1000 =** PP072341.D **CF 750 =** PP072342.D

**CF 500 =** PP072343.D **CF 250 =** PP072344.D **CF 050 =** PP072345.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 24196839 | 25795204 | 27364474 | 29021872 | 27672900 | 26810258 | 7 |
| Aroclor-1221-2 | (2) | 18229798 | 19542389 | 20683678 | 21922496 | 22296280 | 20534928 | 8 |
| Aroclor-1221-3 | (3) | 52369713 | 56014393 | 59333538 | 63841764 | 62879120 | 58887706 | 8 |
| Decachlorobiphenyl | | 1042503600 | 1109170107 | 1179979760 | 1252224240 | 1231337800 | 1163043101 | 7 |
| Tetrachloro-m-xylene | | 1648707580 | 1726775427 | 1770629260 | 1780609400 | 1722367400 | 1729817813 | 3 |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:10
Operator : YP\AJ
Sample : AR1221ICC1000
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.797 | 197.5E6 | 164.9E6 | 92.198 | 93.114 |
| 2) | SA Decachlor... | 10.207 | 8.818 | 154.7E6 | 104.3E6 | 91.893 | 88.349 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.704 | 4.006 | 24968587 | 24196839 | 923.813 | 884.243 |
| 9) | L2 AR-1221-2 | 4.790 | 4.093 | 18746822 | 18229798 | 914.332 | 881.361 |
| 10) | L2 AR-1221-3 | 4.866 | 4.168 | 56828533 | 52369713 | 912.289 | 882.633 |

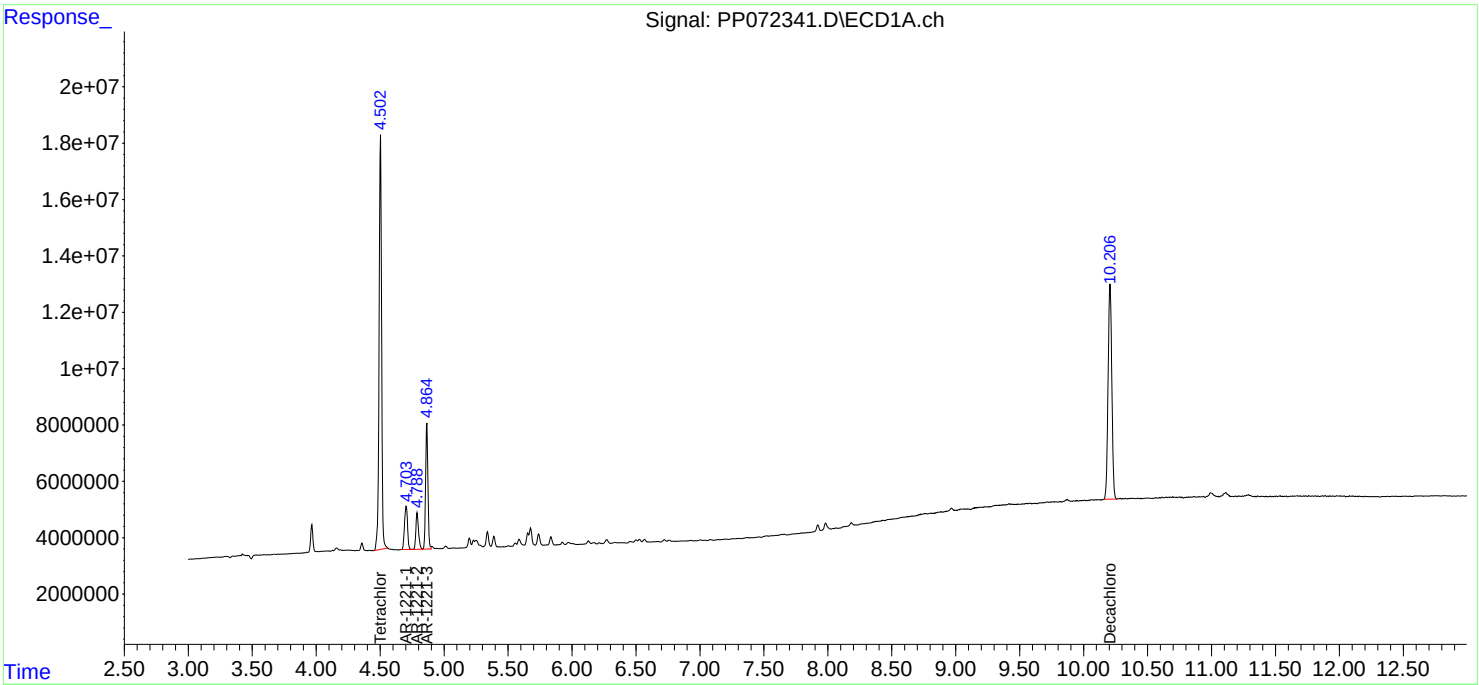
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

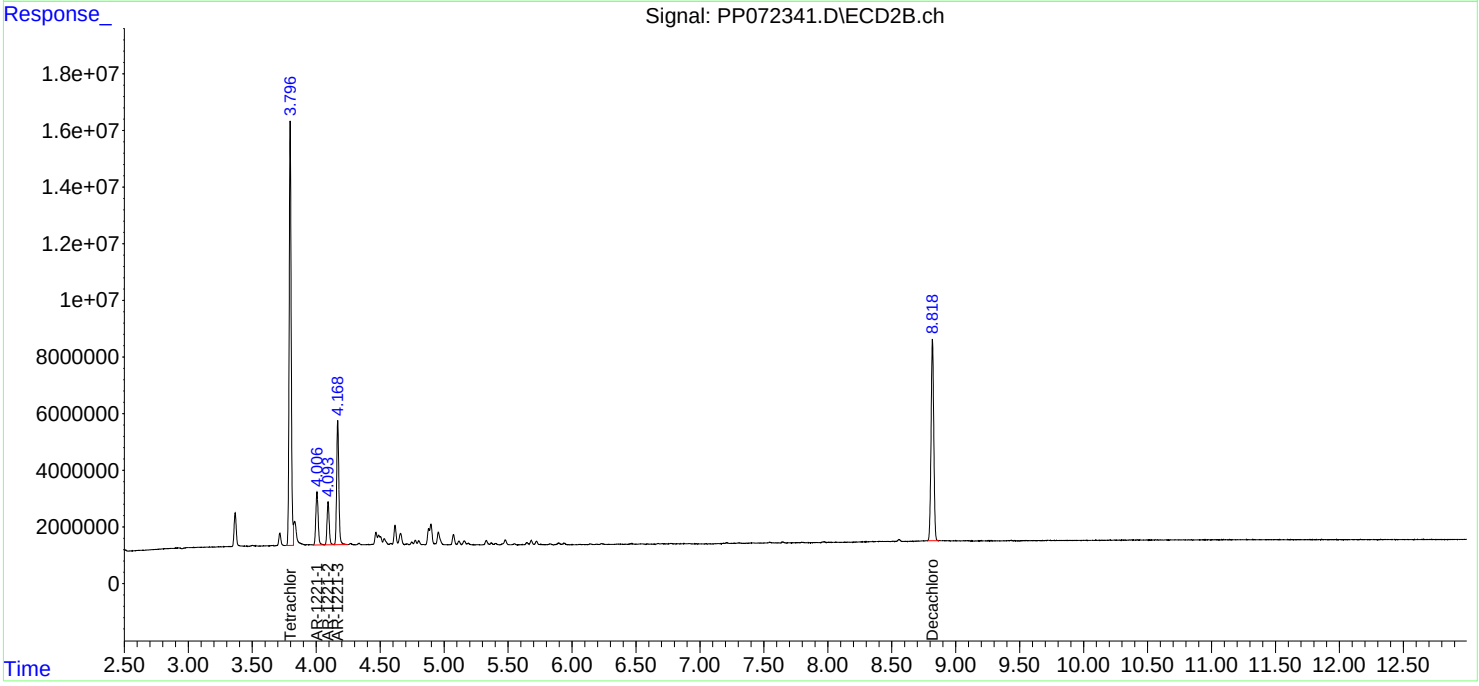
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:10
Operator : YP\AJ
Sample : AR1221ICC1000
Misc :
ALS Vial : 25 Sample Multiplier: 1

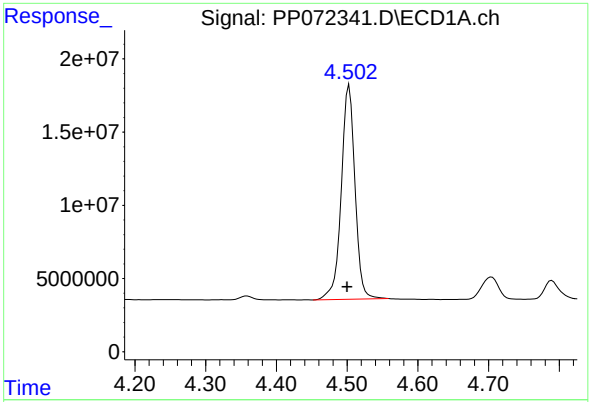
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



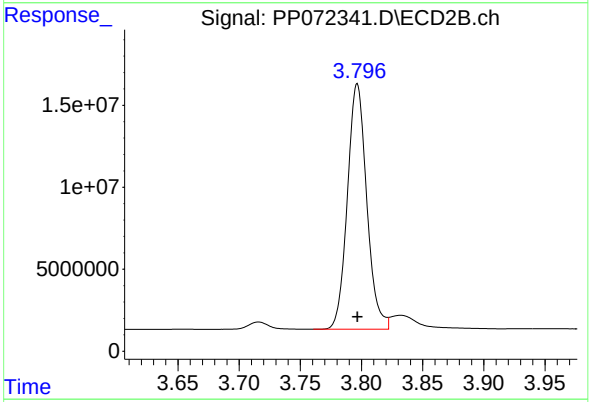






#1 Tetrachloro-m-xylene

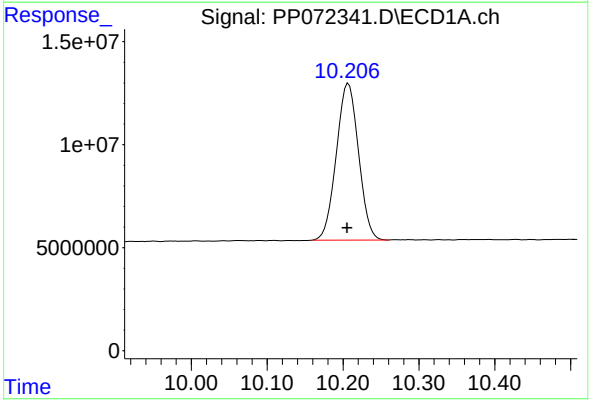
R.T.: 4.503 min
Delta R.T.: 0.003 min
Response: 197520595
Conc: 92.20 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC1000



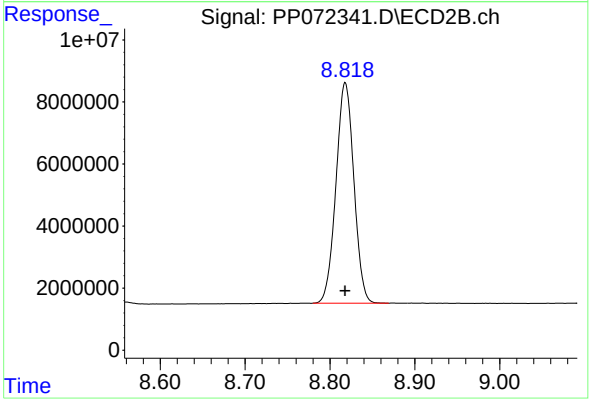

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 164870758
Conc: 93.11 ng/ml



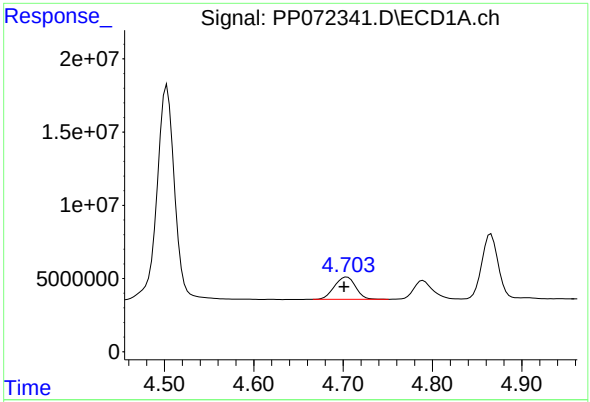

#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: 0.002 min
Response: 154703779
Conc: 91.89 ng/ml




#2 Decachlorobiphenyl

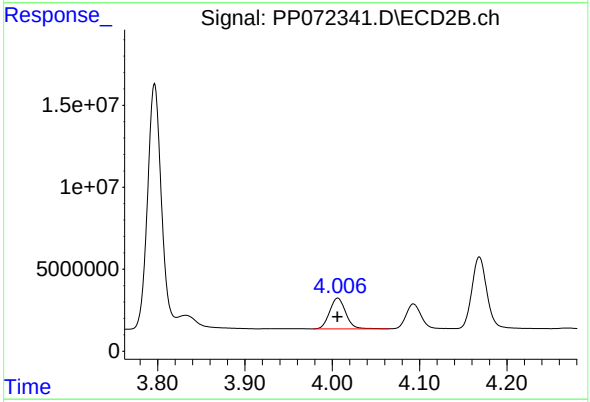
R.T.: 8.818 min
Delta R.T.: 0.000 min
Response: 104250360
Conc: 88.35 ng/ml




#8 AR-1221-1

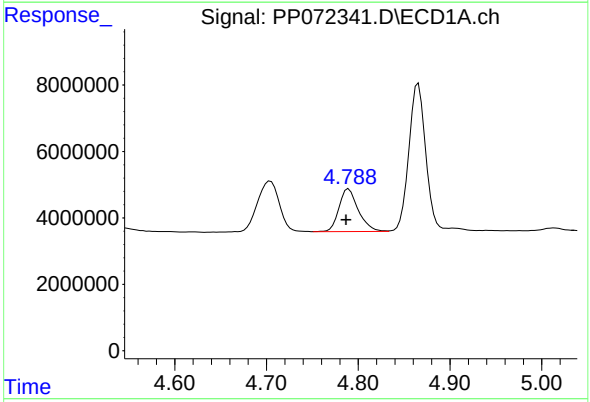
R.T.: 4.704 min
Delta R.T.: 0.003 min
Response: 24968587
Conc: 923.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC1000



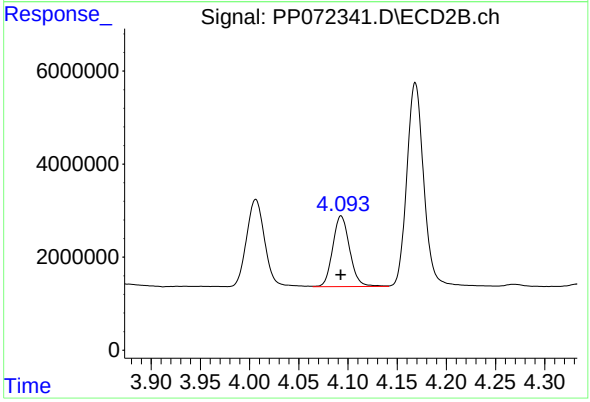

#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 24196839
Conc: 884.24 ng/ml



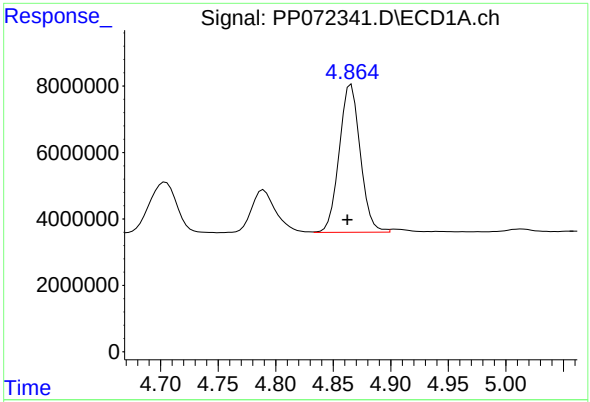

#9 AR-1221-2

R.T.: 4.790 min
Delta R.T.: 0.003 min
Response: 18746822
Conc: 914.33 ng/ml




#9 AR-1221-2

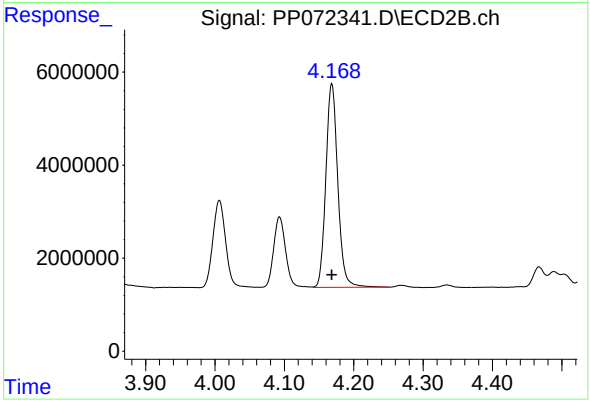
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 18229798
Conc: 881.36 ng/ml




#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 56828533
Conc: 912.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC1000




#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 52369713
Conc: 882.63 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:27
Operator : YP\AJ
Sample : AR1221ICC750
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.797 | 153.2E6 | 129.5E6 | 71.531 | 73.142 |
| 2) | SA Decachlor... | 10.204 | 8.817 | 120.5E6 | 83187758 | 71.592 | 70.499 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.702 | 4.006 | 19481681 | 19346403 | 720.803 | 706.990 |
| 9) | L2 AR-1221-2 | 4.788 | 4.093 | 14537413 | 14656792 | 709.028 | 708.616 |
| 10) | L2 AR-1221-3 | 4.863 | 4.168 | 44515184 | 42010795 | 714.618 | 708.045 |

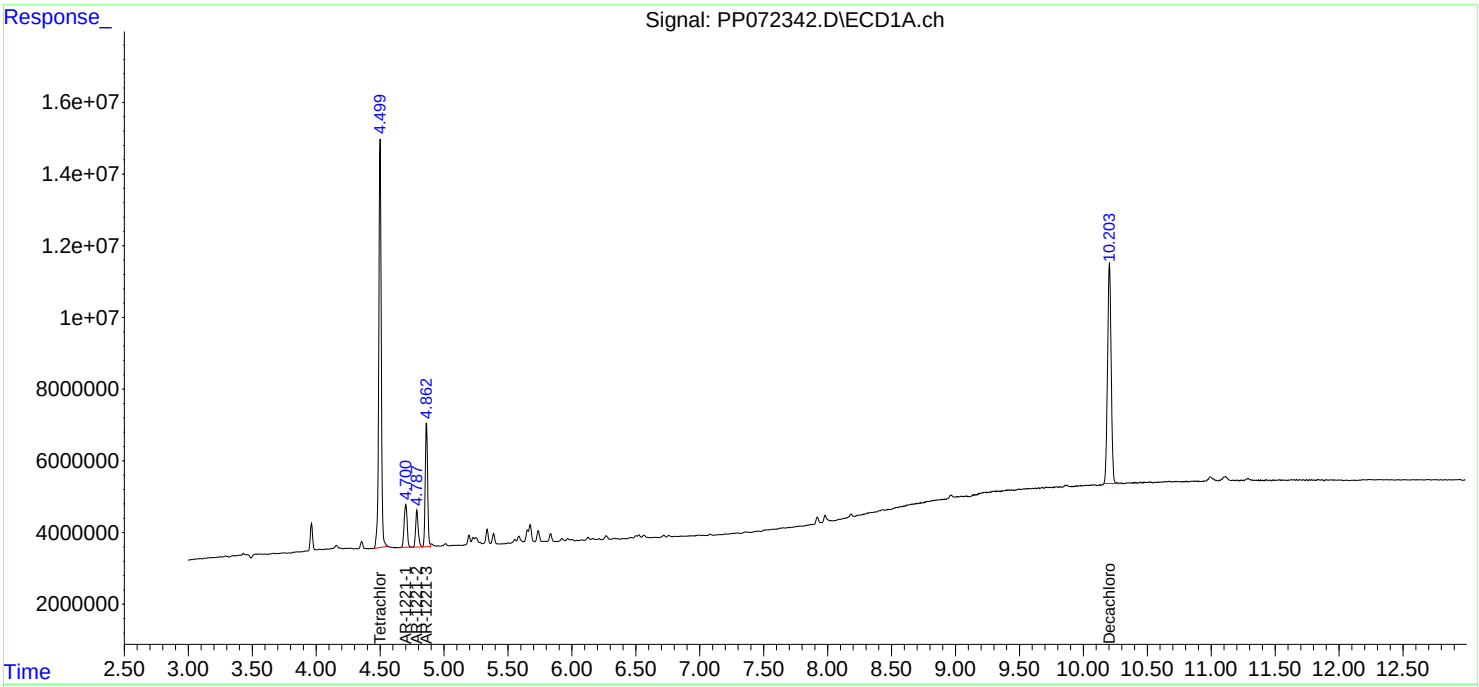
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

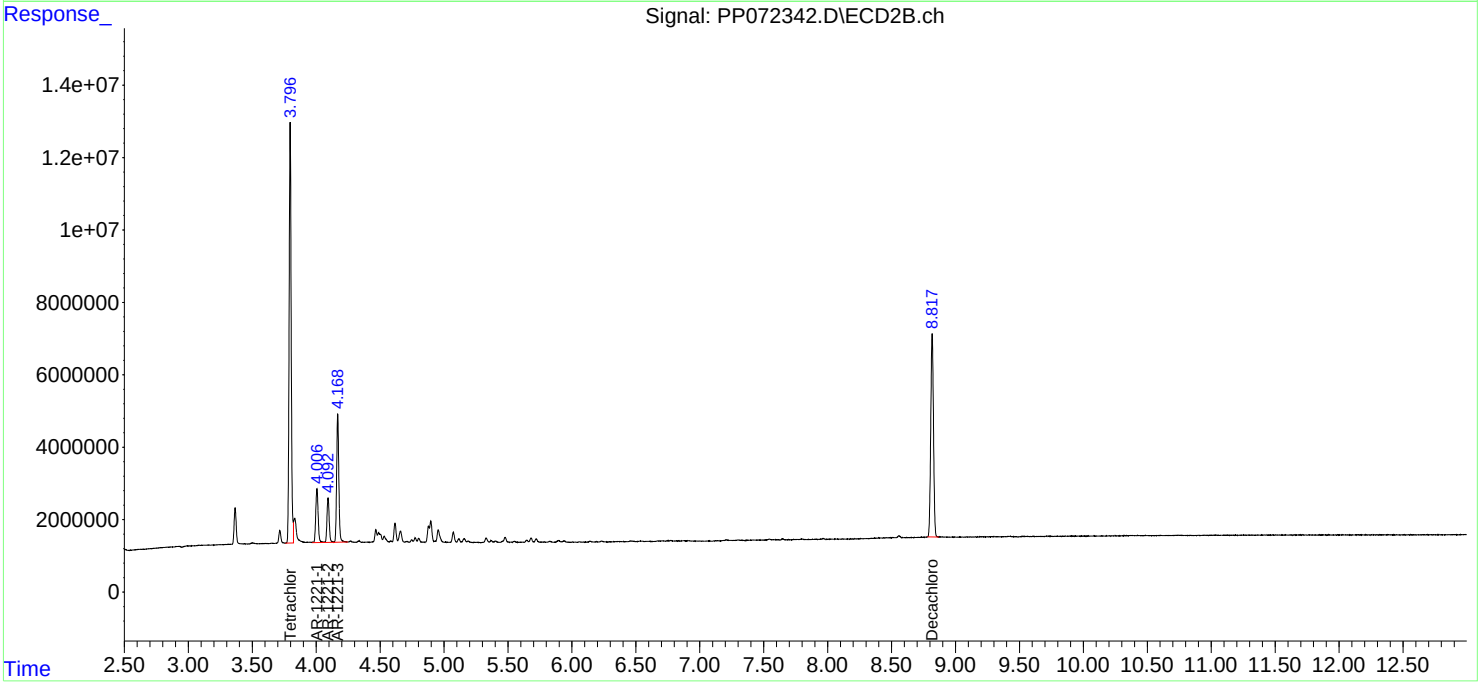
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:27
Operator : YP\AJ
Sample : AR1221ICC750
Misc :
ALS Vial : 26 Sample Multiplier: 1

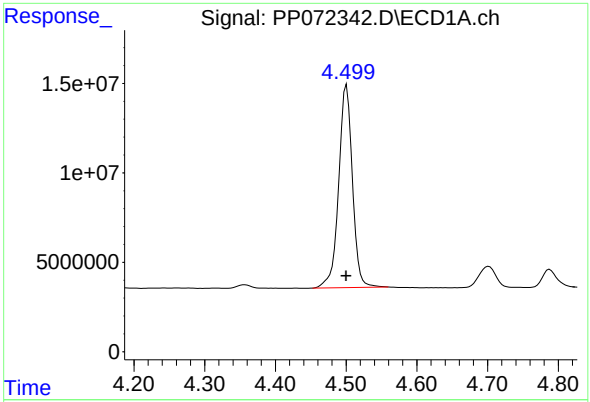
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



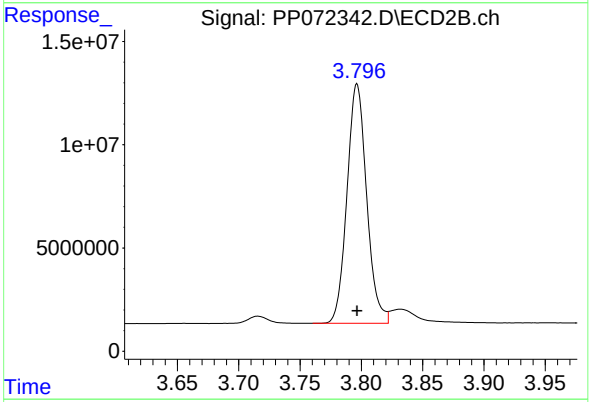






#1 Tetrachloro-m-xylene

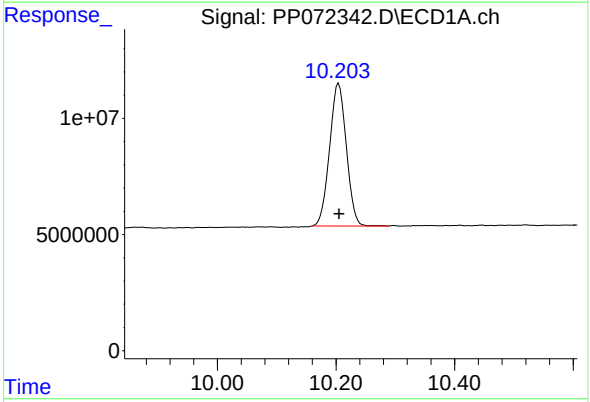
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 153243661
Conc: 71.53 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC750



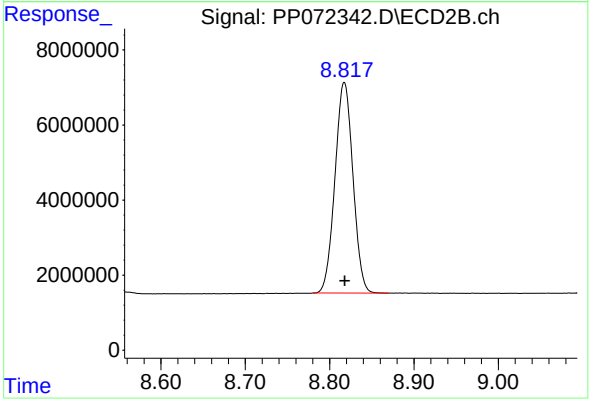

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 129508157
Conc: 73.14 ng/ml



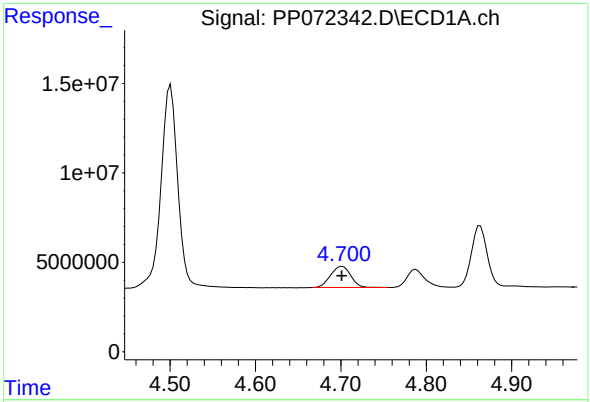

#2 Decachlorobiphenyl

R.T.: 10.204 min
Delta R.T.: 0.000 min
Response: 120526642
Conc: 71.59 ng/ml




#2 Decachlorobiphenyl

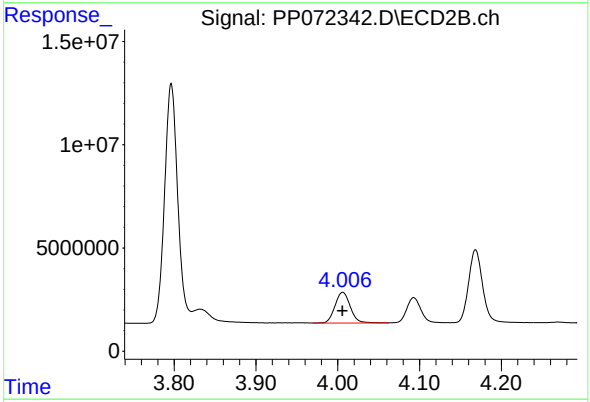
R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 83187758
Conc: 70.50 ng/ml




#8 AR-1221-1

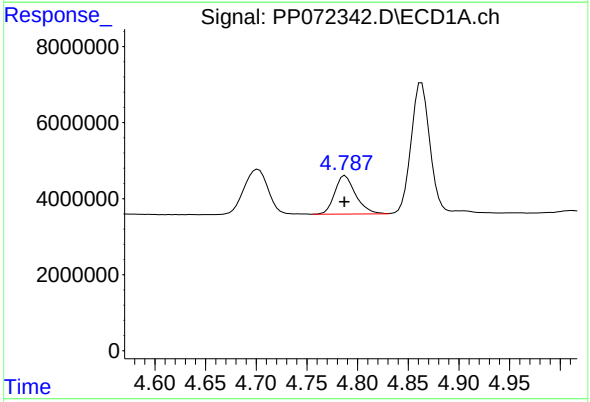
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 19481681
Conc: 720.80 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC750



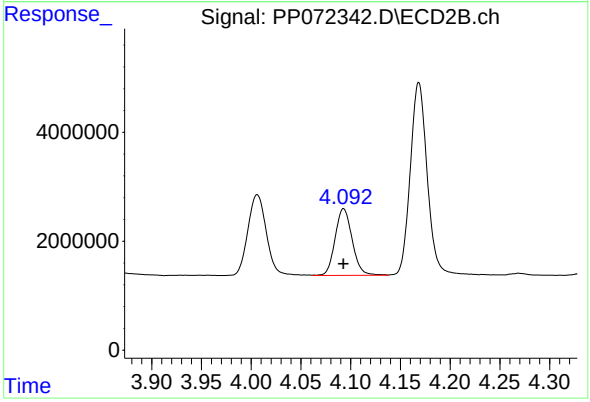

#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 19346403
Conc: 706.99 ng/ml



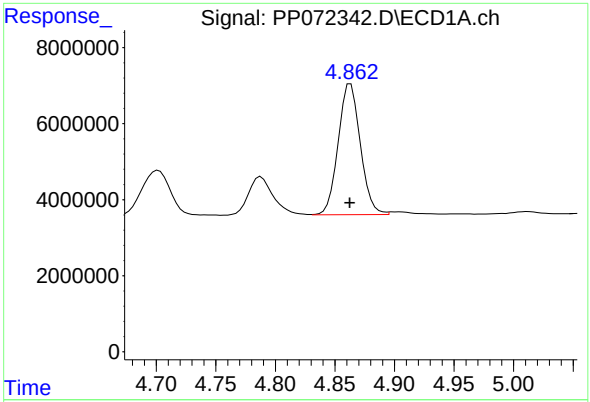

#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 14537413
Conc: 709.03 ng/ml




#9 AR-1221-2

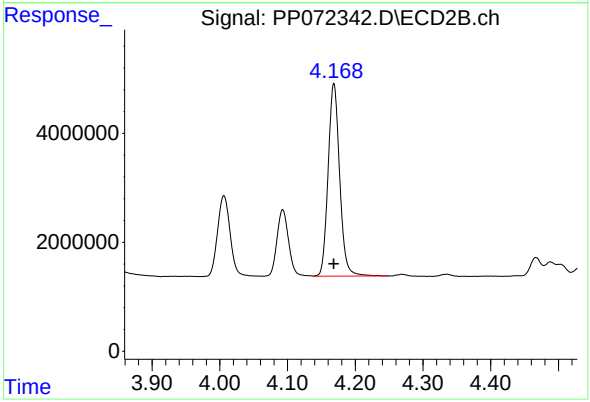
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 14656792
Conc: 708.62 ng/ml




#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 44515184
Conc: 714.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC750




#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 42010795
Conc: 708.04 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:43
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.797 | 107.1E6 | 88531463 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.205 | 8.818 | 84176001 | 58998988 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.701 | 4.006 | 13513872 | 13682237 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 4.787 | 4.093 | 10251652 | 10341839 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 4.862 | 4.168 | 31146129 | 29666769 | 500.000 | 500.000 |

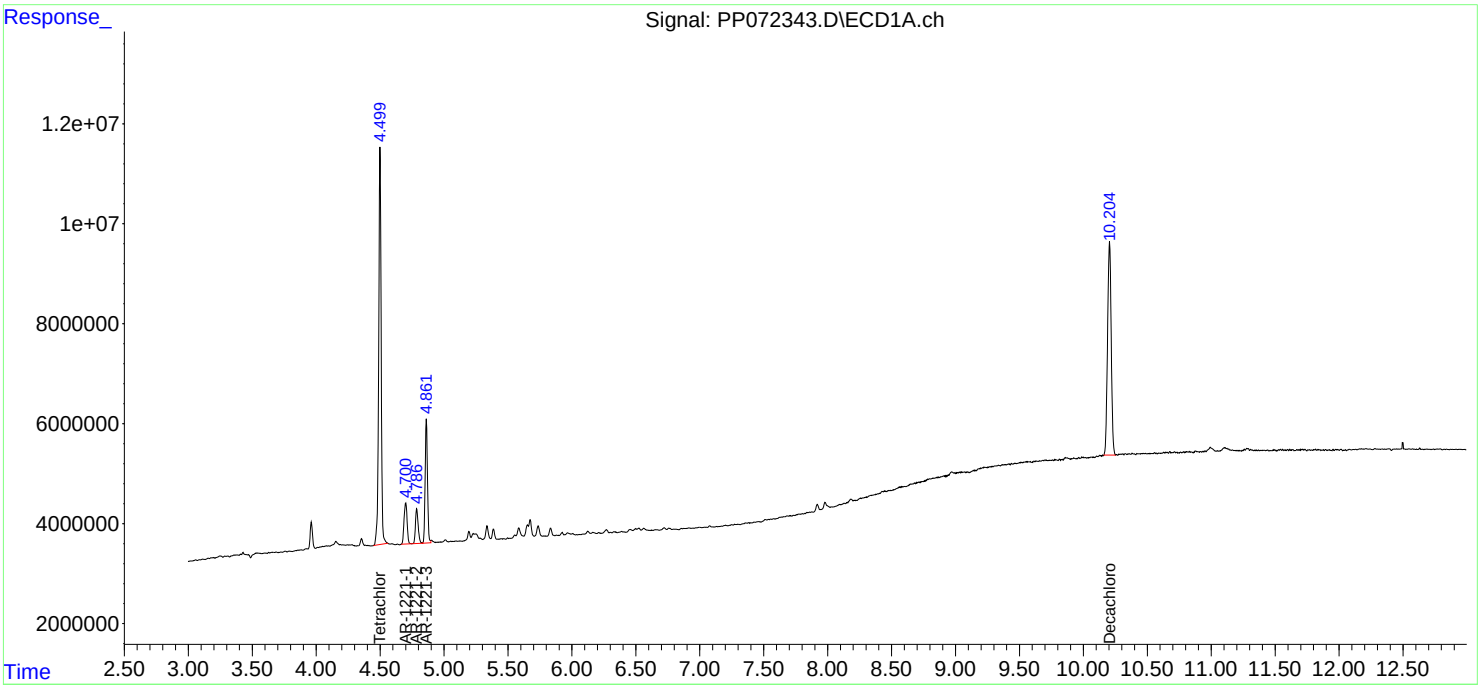
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

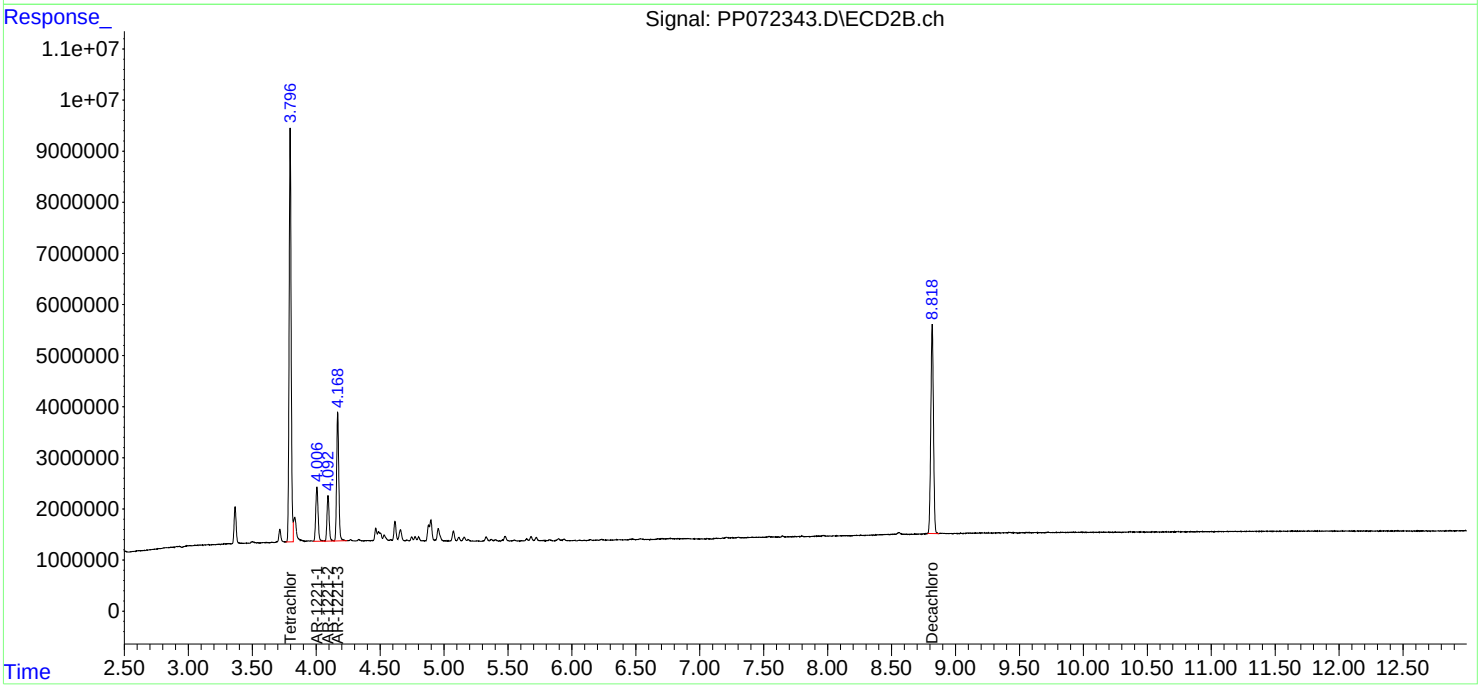
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:43
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 27 Sample Multiplier: 1

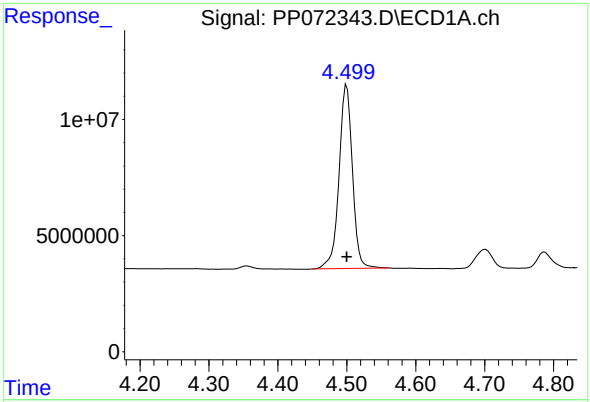
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



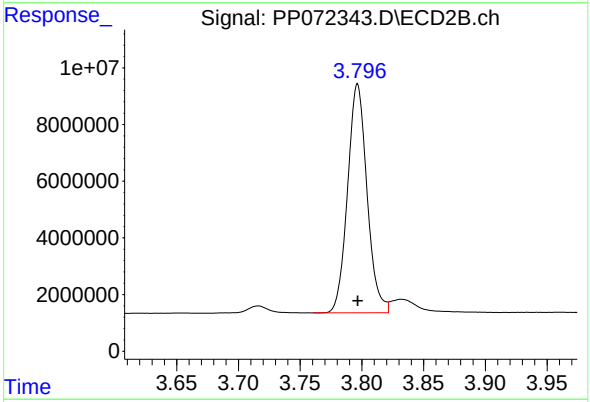






#1 Tetrachloro-m-xylene

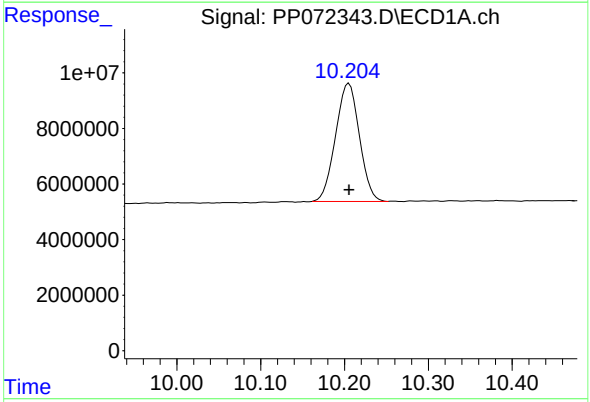
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 107117196
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500



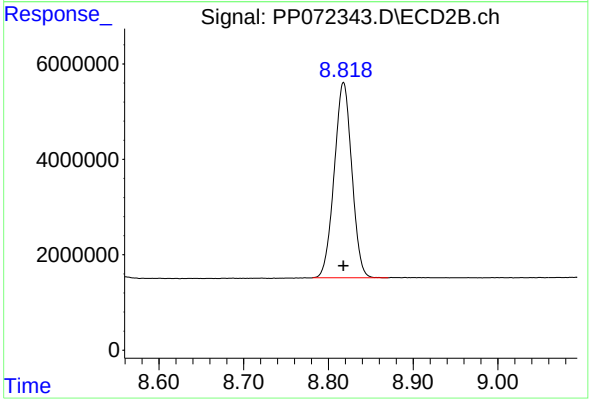

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 88531463
Conc: 50.00 ng/ml



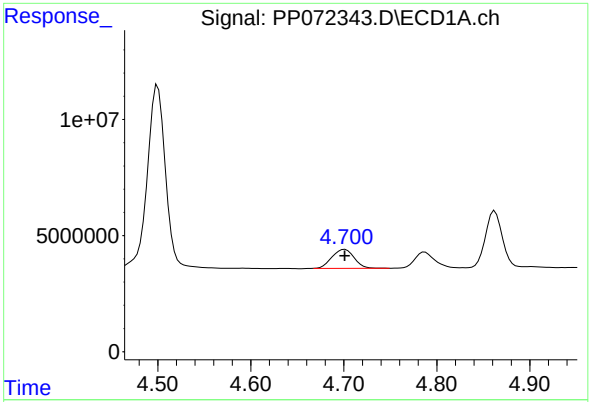

#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: 0.000 min
Response: 84176001
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

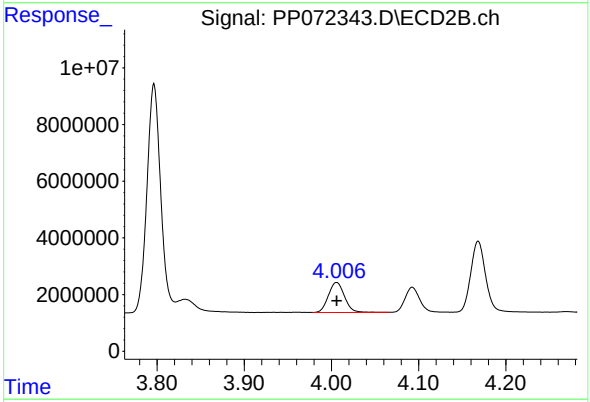
R.T.: 8.818 min
Delta R.T.: 0.000 min
Response: 58998988
Conc: 50.00 ng/ml




#8 AR-1221-1

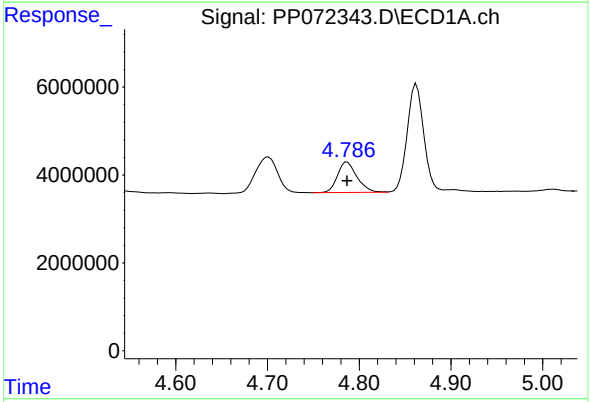
R.T.: 4.701 min
Delta R.T.: 0.000 min
Response: 13513872
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500



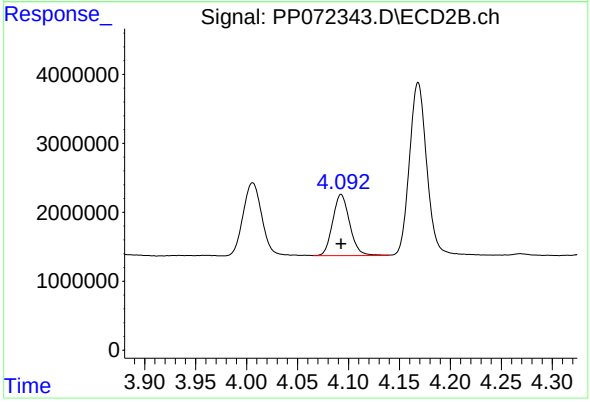

#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 13682237
Conc: 500.00 ng/ml



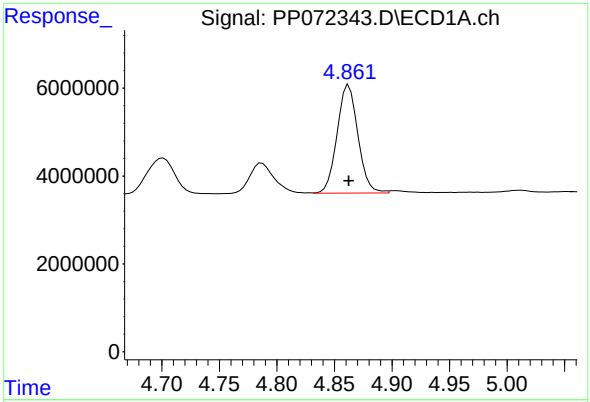

#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: 0.000 min
Response: 10251652
Conc: 500.00 ng/ml




#9 AR-1221-2

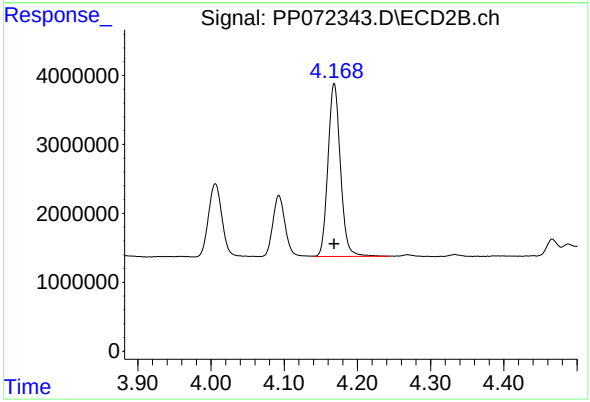
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 10341839
Conc: 500.00 ng/ml




#10 AR-1221-3

R.T.: 4.862 min
Delta R.T.: 0.000 min
Response: 31146129
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500




#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 29666769
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:59
Operator : YP\AJ
Sample : AR1221ICC250
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.797 | 54569718 | 44515235 | 25.472 | 25.141 |
| 2) | SA Decachlor... | 10.208 | 8.818 | 42529241 | 31305606 | 25.262 | 26.531 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.704 | 4.007 | 7229859 | 7255468 | 267.498 | 265.142 |
| 9) | L2 AR-1221-2 | 4.790 | 4.093 | 5625045 | 5480624 | 274.348 | 264.973 |
| 10) | L2 AR-1221-3 | 4.865 | 4.169 | 16164417 | 15960441 | 259.493 | 268.995 |

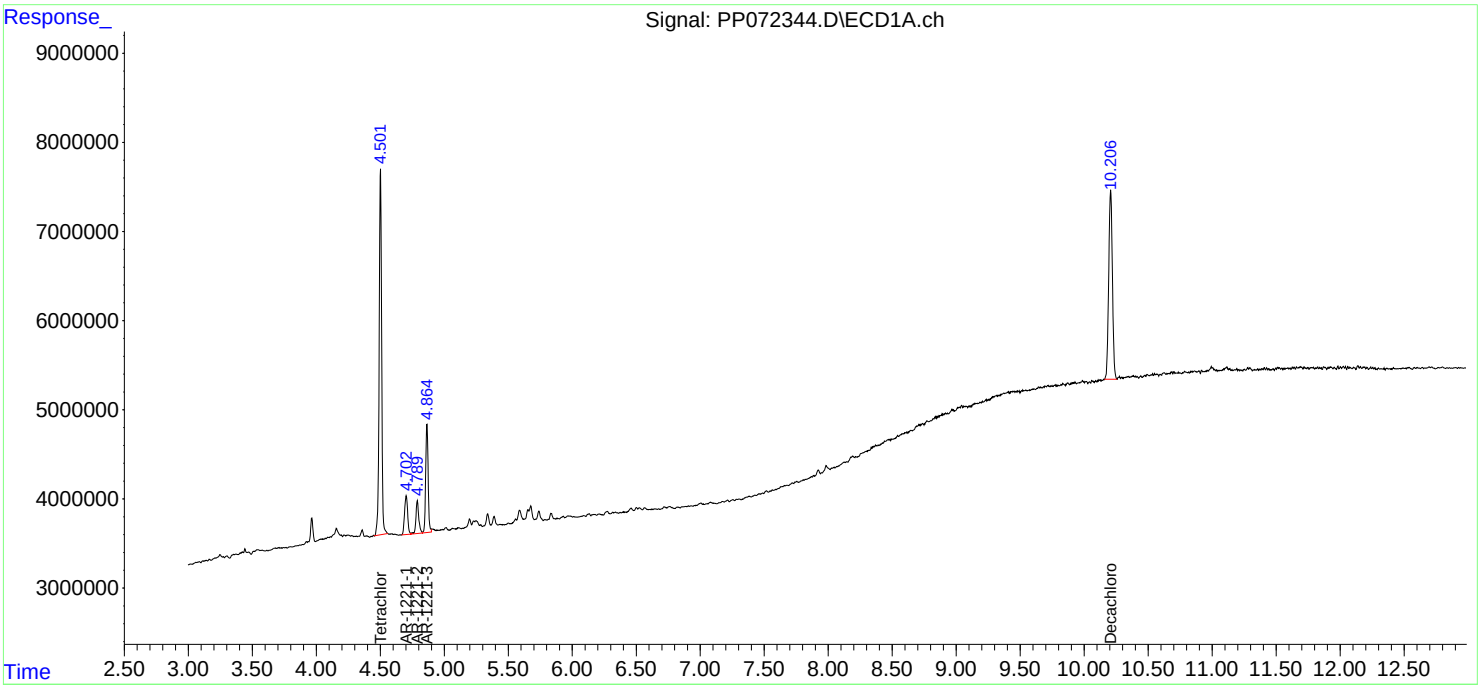
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

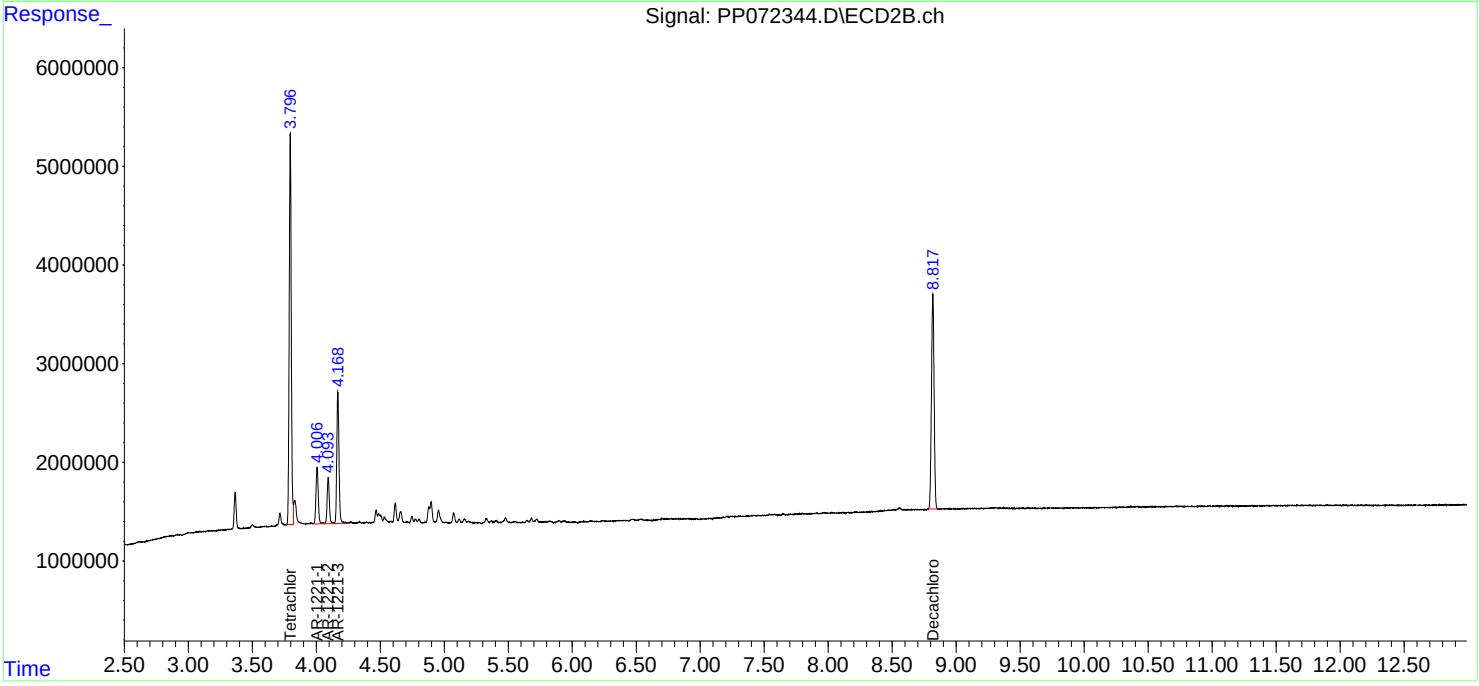
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:59
Operator : YP\AJ
Sample : AR1221ICC250
Misc :
ALS Vial : 28 Sample Multiplier: 1

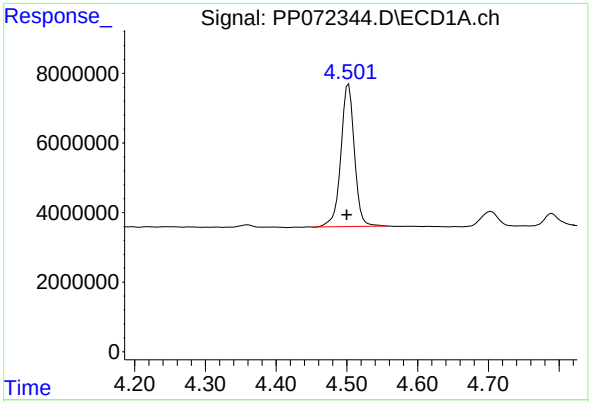
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



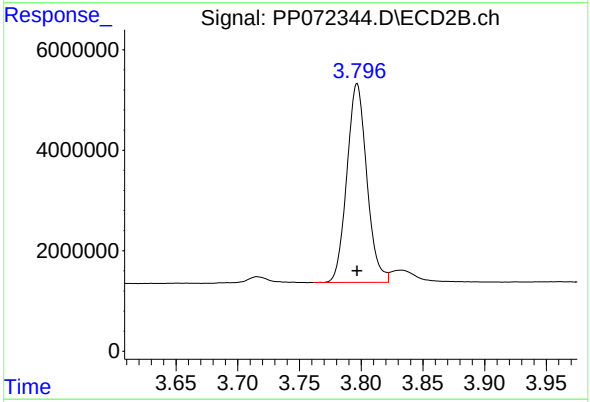






#1 Tetrachloro-m-xylene

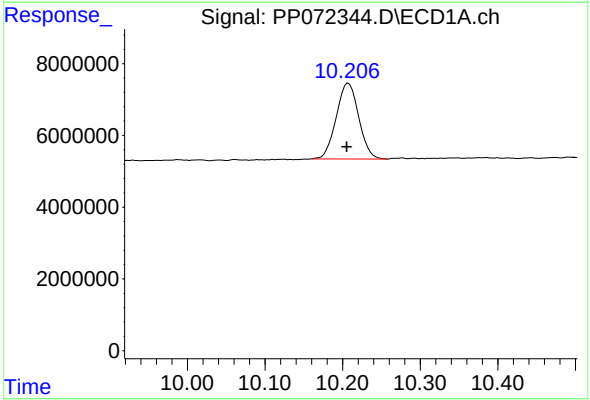
R.T.: 4.502 min
Delta R.T.: 0.002 min
Response: 54569718
Conc: 25.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC250



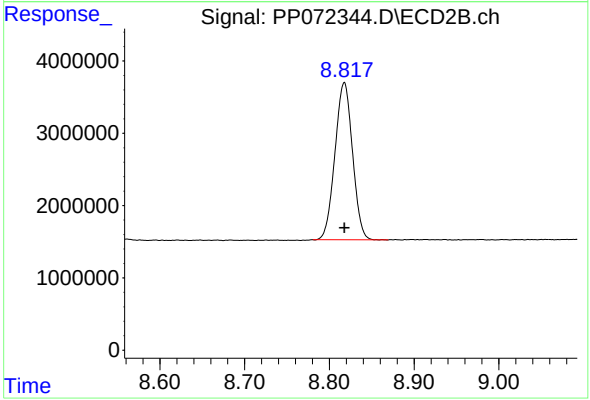

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 44515235
Conc: 25.14 ng/ml



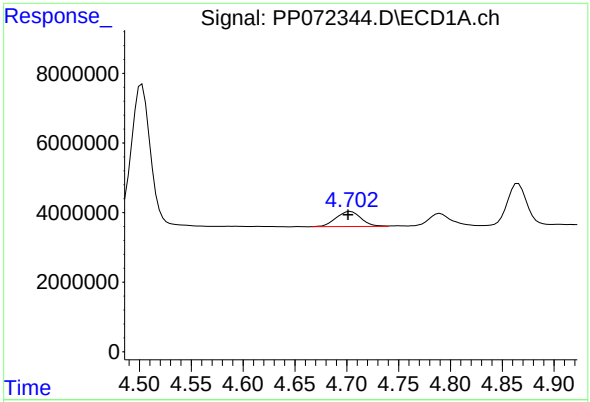

#2 Decachlorobiphenyl

R.T.: 10.208 min
Delta R.T.: 0.002 min
Response: 42529241
Conc: 25.26 ng/ml




#2 Decachlorobiphenyl

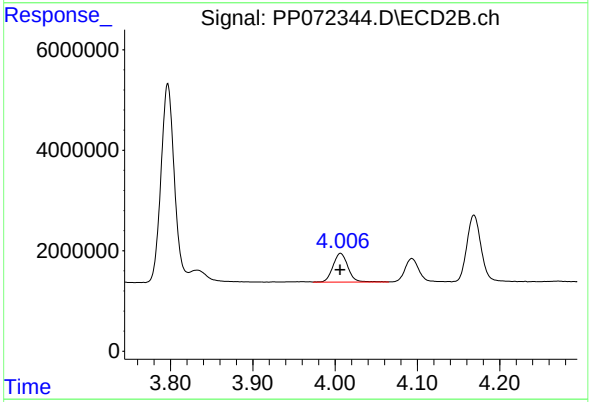
R.T.: 8.818 min
Delta R.T.: 0.000 min
Response: 31305606
Conc: 26.53 ng/ml




#8 AR-1221-1

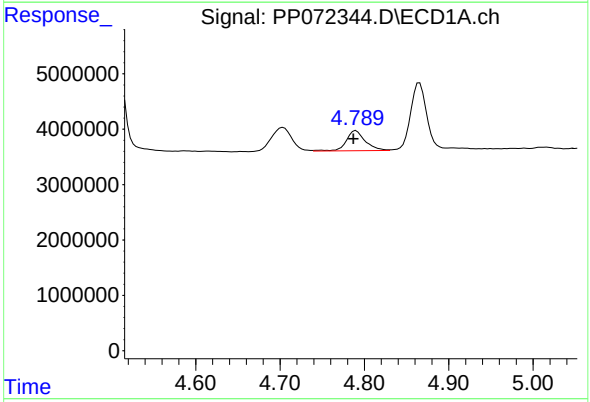
R.T.: 4.704 min
Delta R.T.: 0.003 min
Response: 7229859
Conc: 267.50 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC250



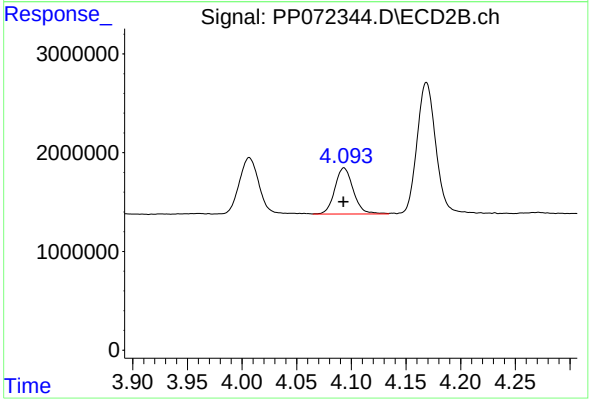

#8 AR-1221-1

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 7255468
Conc: 265.14 ng/ml



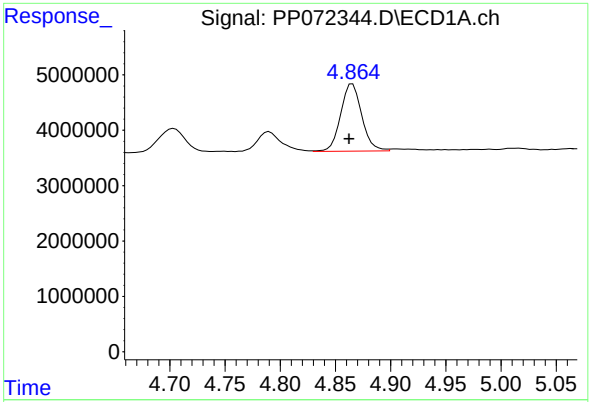

#9 AR-1221-2

R.T.: 4.790 min
Delta R.T.: 0.003 min
Response: 5625045
Conc: 274.35 ng/ml




#9 AR-1221-2

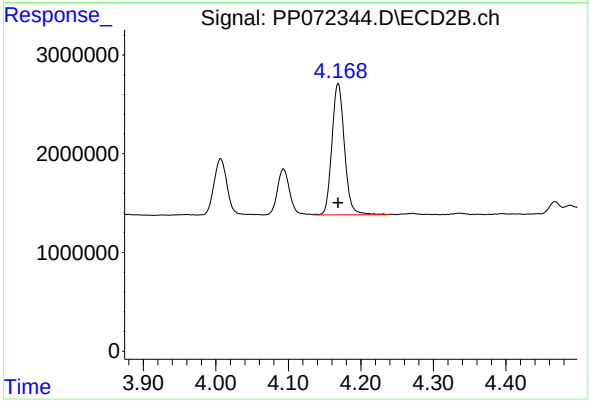
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 5480624
Conc: 264.97 ng/ml




#10 AR-1221-3

R.T.: 4.865 min
Delta R.T.: 0.003 min
Response: 16164417
Conc: 259.49 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC250




#10 AR-1221-3

R.T.: 4.169 min
Delta R.T.: 0.000 min
Response: 15960441
Conc: 269.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:16
Operator : YP\AJ
Sample : AR1221ICC050
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:45:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.797 | 9868673 | 8611837 | 4.606 | 4.864 |
| 2) | SA Decachlor... | 10.206 | 8.817 | 8046525 | 6156689 | 4.780 | 5.218 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.702 | 4.007 | 1190972 | 1383645 | 44.065 | 50.564 |
| 9) | L2 AR-1221-2 | 4.788 | 4.094 | 1043147 | 1114814 | 50.877 | 53.898 |
| 10) | L2 AR-1221-3 | 4.863 | 4.169 | 2968258 | 3143956 | 47.651 | 52.988 |

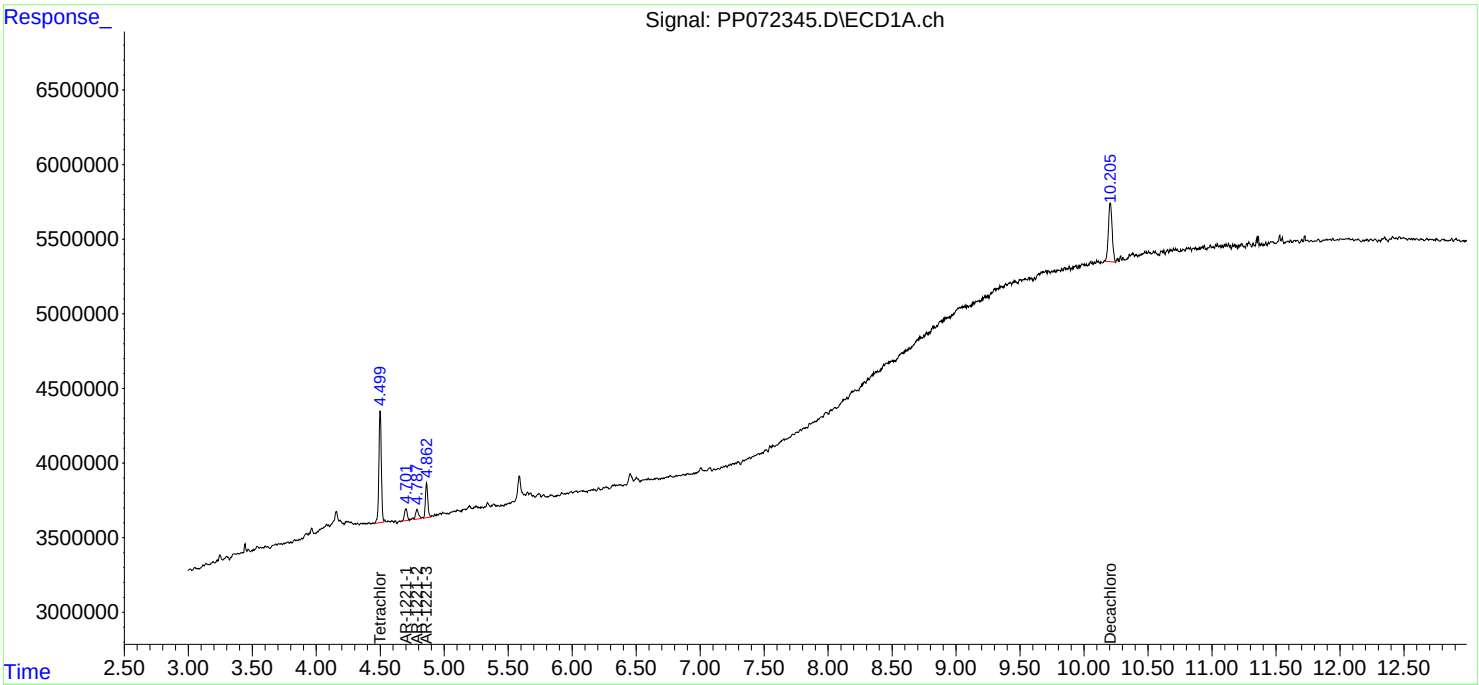
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

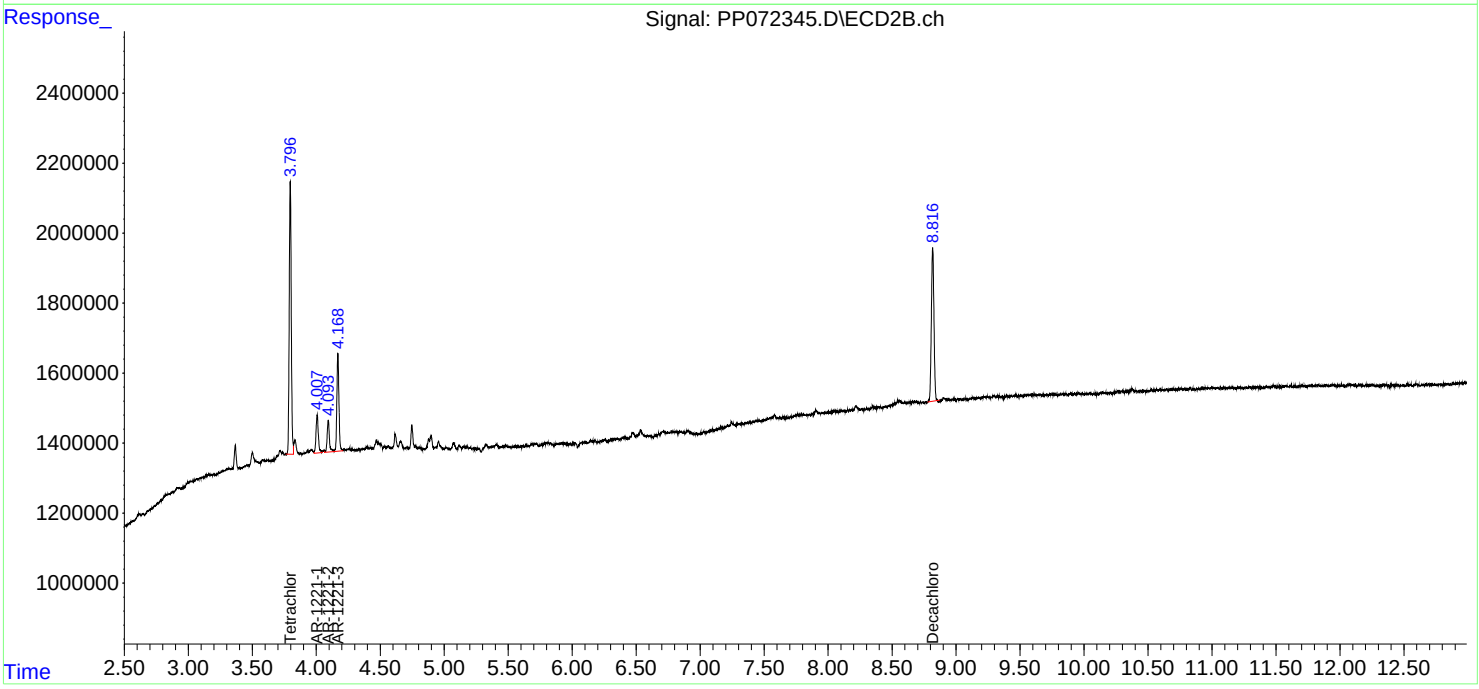
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:16
Operator : YP\AJ
Sample : AR1221ICC050
Misc :
ALS Vial : 29 Sample Multiplier: 1

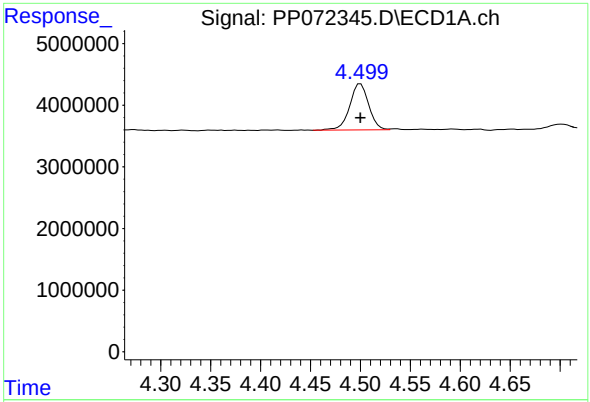
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:45:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



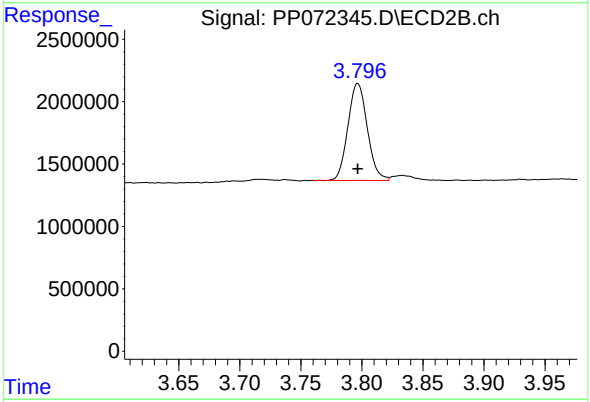






#1 Tetrachloro-m-xylene

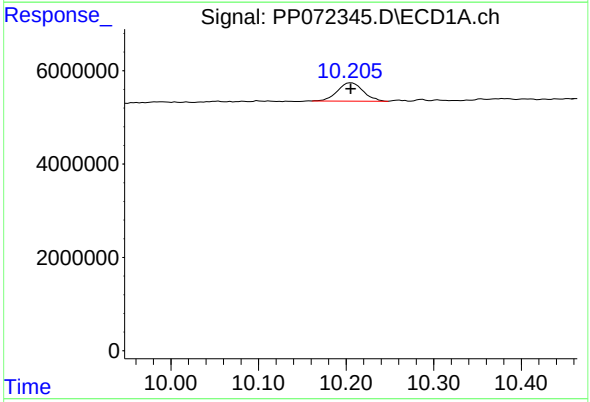
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 9868673
Conc: 4.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC050



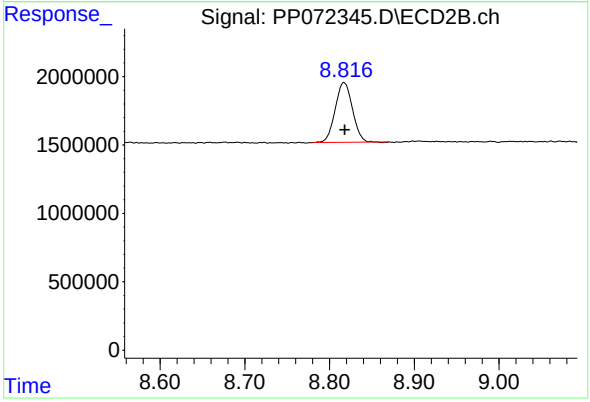

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 8611837
Conc: 4.86 ng/ml



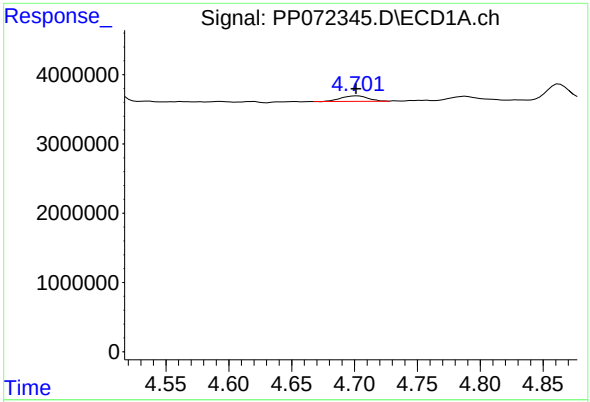

#2 Decachlorobiphenyl

R.T.: 10.206 min
Delta R.T.: 0.000 min
Response: 8046525
Conc: 4.78 ng/ml




#2 Decachlorobiphenyl

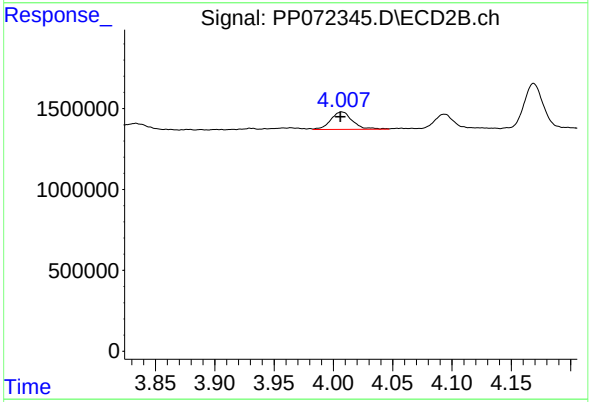
R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 6156689
Conc: 5.22 ng/ml




#8 AR-1221-1

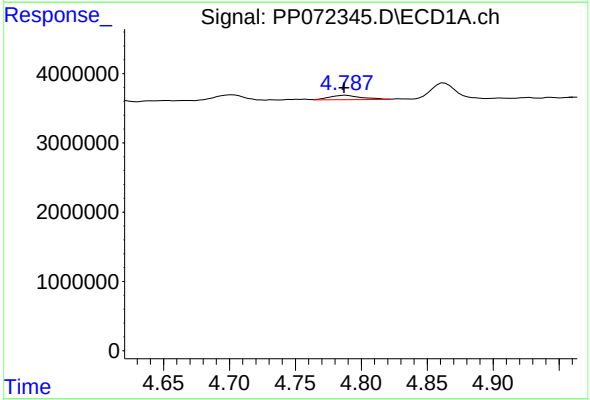
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 1190972
Conc: 44.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC050



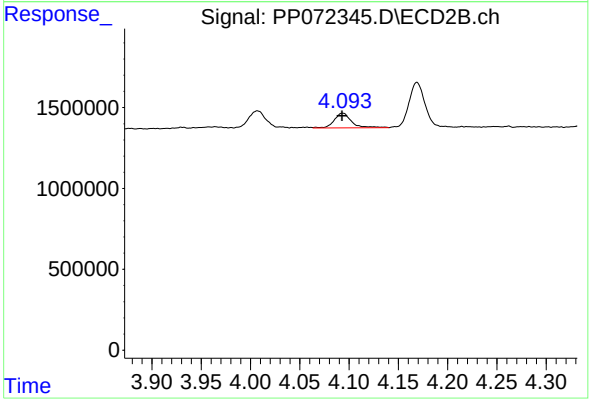

#8 AR-1221-1

R.T.: 4.007 min
Delta R.T.: 0.001 min
Response: 1383645
Conc: 50.56 ng/ml



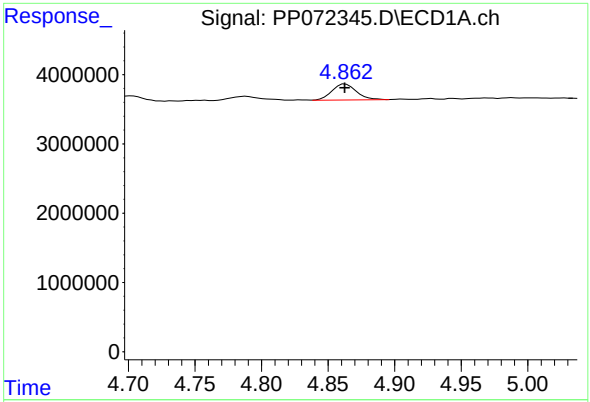

#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.001 min
Response: 1043147
Conc: 50.88 ng/ml




#9 AR-1221-2

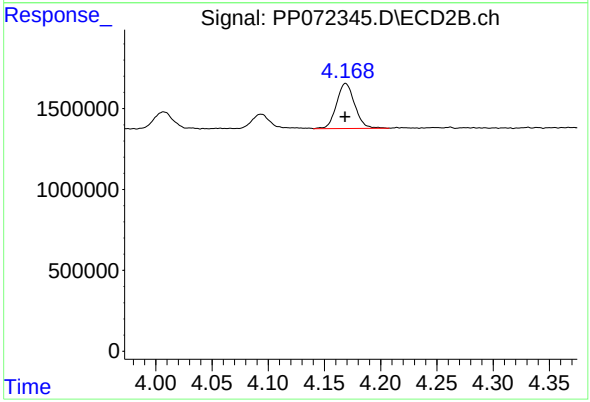
R.T.: 4.094 min
Delta R.T.: 0.000 min
Response: 1114814
Conc: 53.90 ng/ml




#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 2968258
Conc: 47.65 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC050




#10 AR-1221-3

R.T.: 4.169 min
Delta R.T.: 0.000 min
Response: 3143956
Conc: 52.99 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:32
Operator : YP\AJ
Sample : AR1221ICV500
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP052425AR1221

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:52:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:51:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.796 | 104.5E6 | 83433381 | 50.638 | 48.232 |
| 2) | SA Decachlor... | 10.205 | 8.817 | 82224203 | 56508274 | 50.456 | 48.587 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.703 | 4.005 | 13167265 | 13101244 | 503.679 | 488.665 |
| 9) | L2 AR-1221-2 | 4.788 | 4.092 | 9839456 | 9914823 | 482.343 | 482.827 |
| 10) | L2 AR-1221-3 | 4.864 | 4.168 | 30369001 | 28387182 | 501.972 | 482.056 |

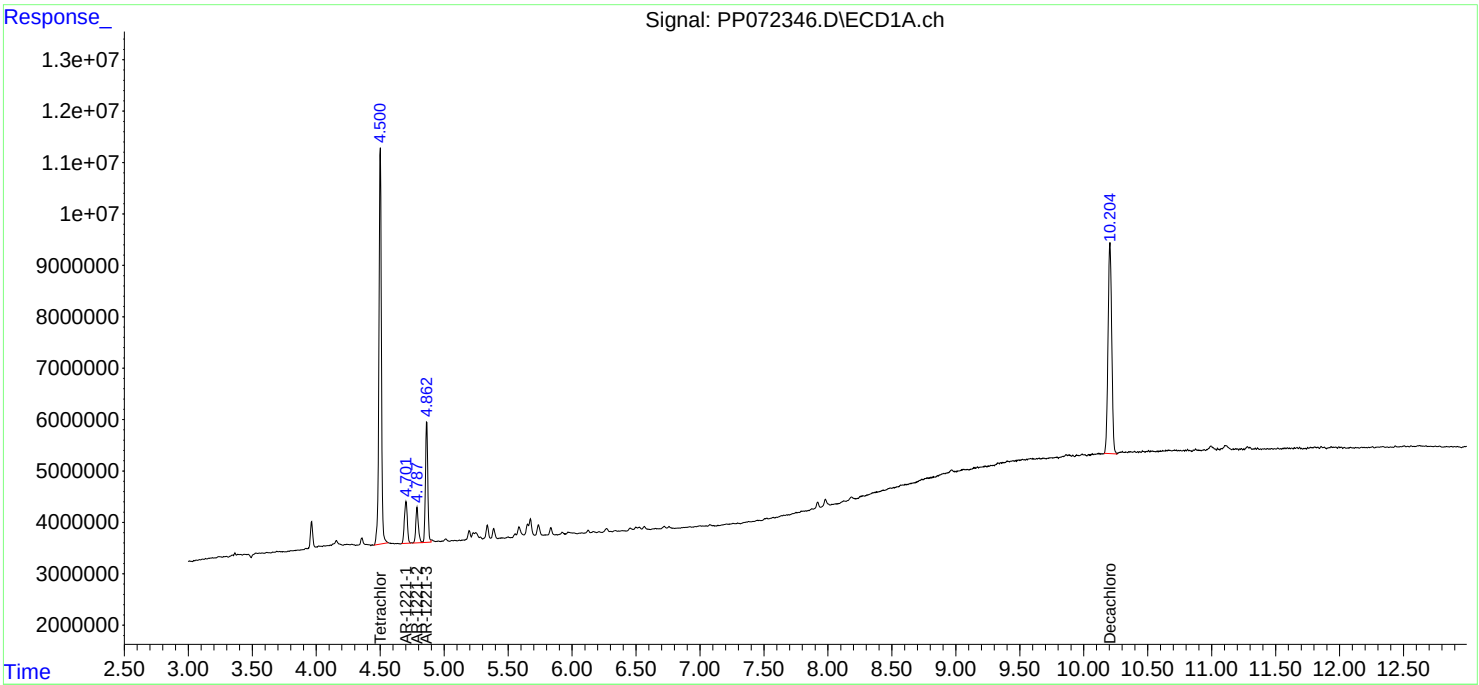
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

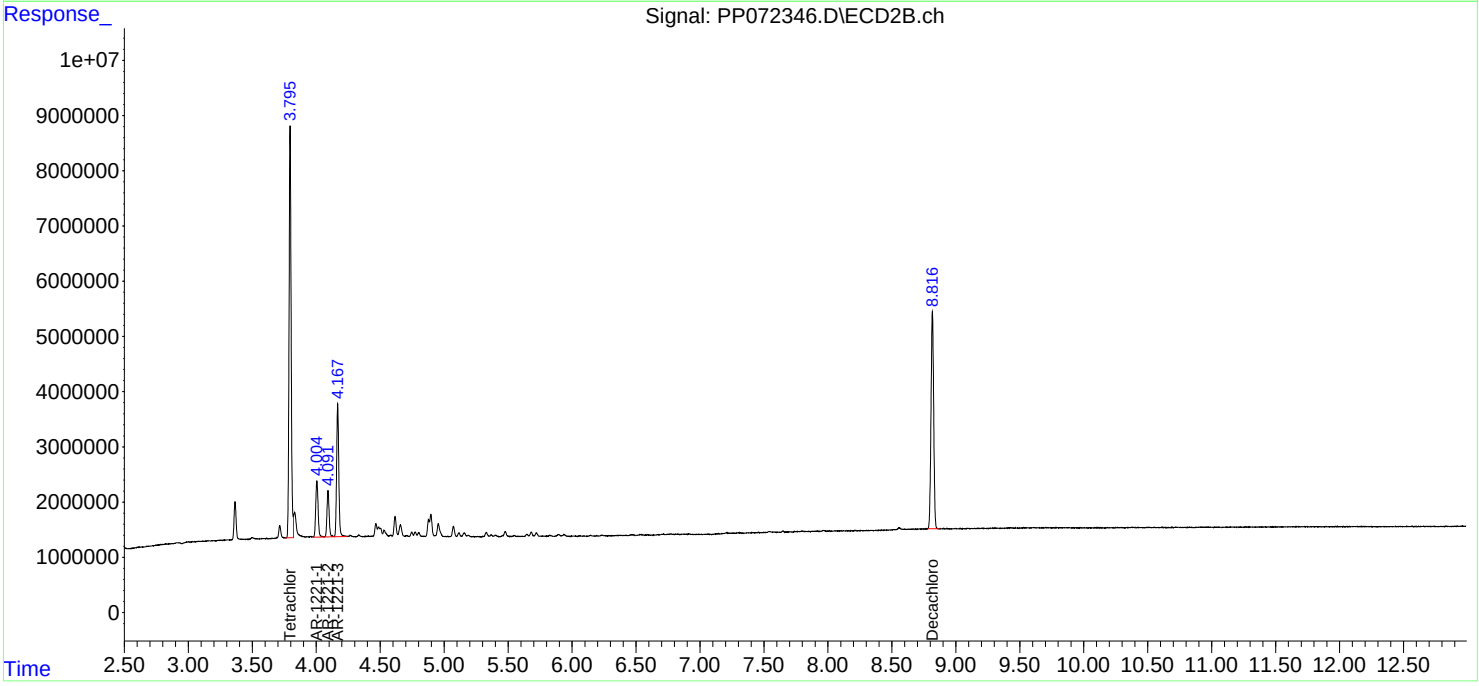
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:32
Operator : YP\AJ
Sample : AR1221ICV500
Misc :
ALS Vial : 30 Sample Multiplier: 1

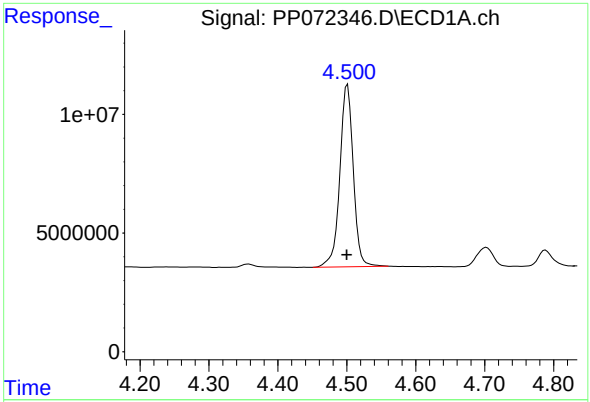
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP052425AR1221

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:52:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:51:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



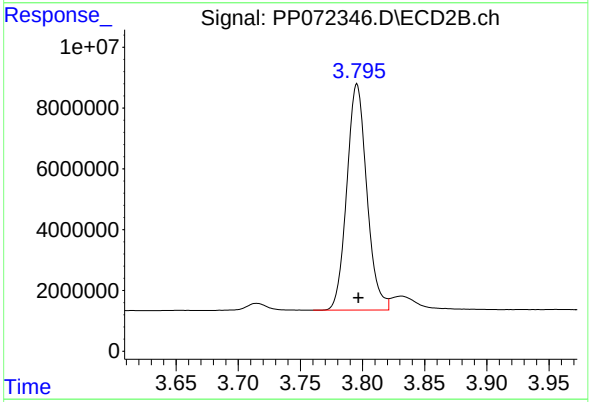






#1 Tetrachloro-m-xylene

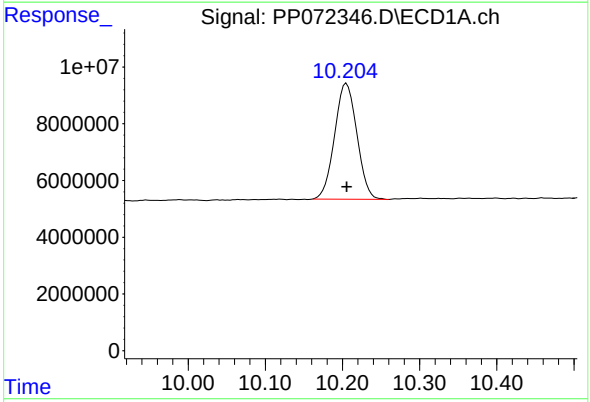
R.T.: 4.501 min
Delta R.T.: 0.001 min
Response: 104489576
Conc: 50.64 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP052425AR1221



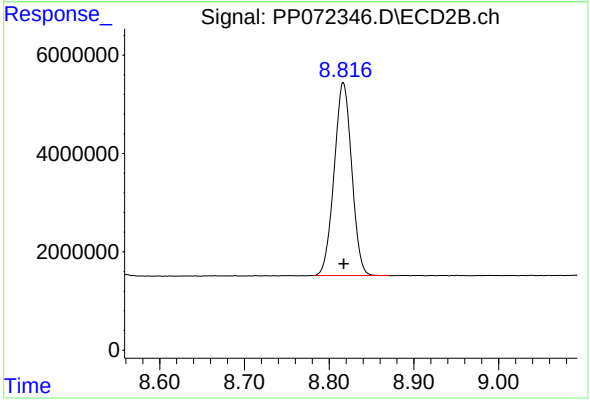

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: -0.001 min
Response: 83433381
Conc: 48.23 ng/ml



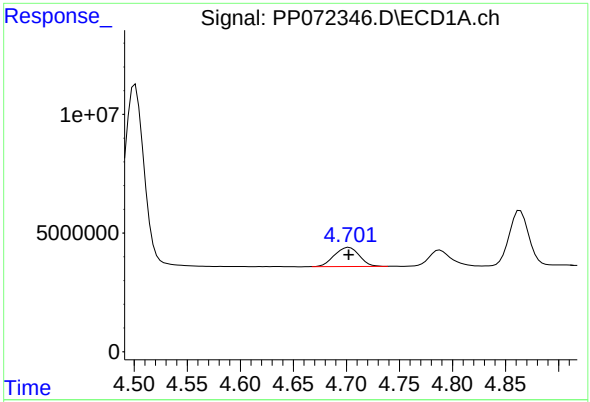

#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: 0.000 min
Response: 82224203
Conc: 50.46 ng/ml




#2 Decachlorobiphenyl

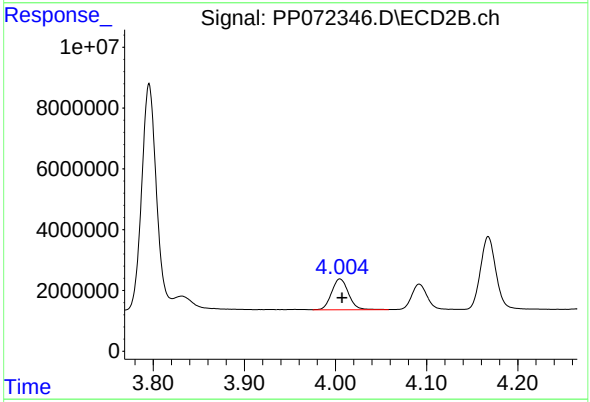
R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 56508274
Conc: 48.59 ng/ml




#8 AR-1221-1

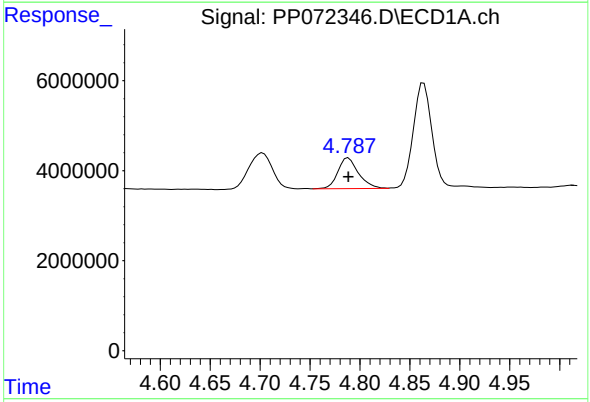
R.T.: 4.703 min
Delta R.T.: 0.000 min
Response: 13167265
Conc: 503.68 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP052425AR1221



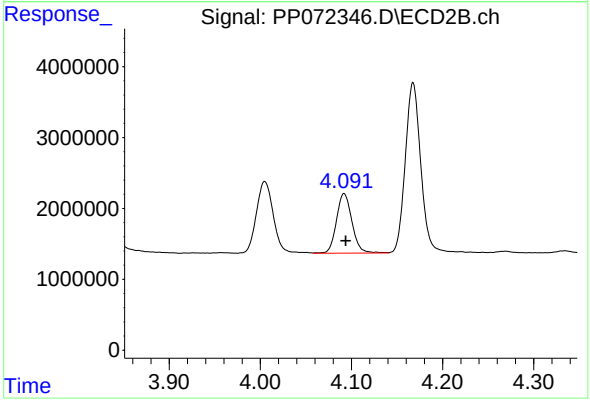

#8 AR-1221-1

R.T.: 4.005 min
Delta R.T.: -0.002 min
Response: 13101244
Conc: 488.67 ng/ml



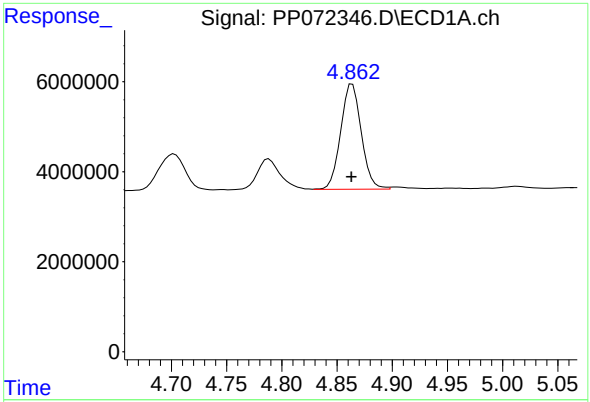

#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 9839456
Conc: 482.34 ng/ml




#9 AR-1221-2

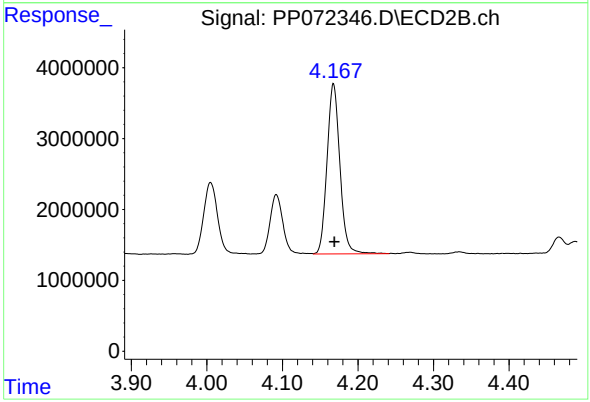
R.T.: 4.092 min
Delta R.T.: -0.002 min
Response: 9914823
Conc: 482.83 ng/ml




#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 30369001
Conc: 501.97 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP052425AR1221




#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: -0.001 min
Response: 28387182
Conc: 482.06 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 12:10 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.66 | 5.65 | 5.55 | 5.75 | -0.01 |
| Aroclor-1016-2 | (2) | 5.68 | 5.67 | 5.57 | 5.77 | -0.01 |
| Aroclor-1016-3 | (3) | 5.74 | 5.74 | 5.64 | 5.84 | 0.00 |
| Aroclor-1016-4 | (4) | 5.84 | 5.83 | 5.73 | 5.93 | -0.01 |
| Aroclor-1016-5 | (5) | 6.13 | 6.13 | 6.03 | 6.23 | 0.00 |
| Aroclor-1260-1 | (1) | 7.25 | 7.25 | 7.15 | 7.35 | 0.00 |
| Aroclor-1260-2 | (2) | 7.50 | 7.50 | 7.40 | 7.60 | 0.00 |
| Aroclor-1260-3 | (3) | 7.86 | 7.86 | 7.76 | 7.96 | 0.00 |
| Aroclor-1260-4 | (4) | 8.09 | 8.09 | 7.99 | 8.19 | 0.00 |
| Aroclor-1260-5 | (5) | 8.41 | 8.40 | 8.30 | 8.50 | 0.00 |
| Tetrachloro-m-xylene | | 4.51 | 4.50 | 4.40 | 4.60 | -0.01 |
| Decachlorobiphenyl | | 10.21 | 10.21 | 10.11 | 10.31 | 0.00 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 12:10 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.88 | 4.88 | 4.78 | 4.98 | 0.00 |
| Aroclor-1016-2 | (2) | 4.90 | 4.90 | 4.80 | 5.00 | 0.00 |
| Aroclor-1016-3 | (3) | 5.08 | 5.07 | 4.97 | 5.17 | -0.01 |
| Aroclor-1016-4 | (4) | 5.12 | 5.12 | 5.02 | 5.22 | 0.00 |
| Aroclor-1016-5 | (5) | 5.33 | 5.33 | 5.23 | 5.43 | 0.00 |
| Aroclor-1260-1 | (1) | 6.37 | 6.36 | 6.26 | 6.46 | 0.00 |
| Aroclor-1260-2 | (2) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-3 | (3) | 6.71 | 6.71 | 6.61 | 6.81 | 0.00 |
| Aroclor-1260-4 | (4) | 7.18 | 7.18 | 7.08 | 7.28 | 0.00 |
| Aroclor-1260-5 | (5) | 7.42 | 7.42 | 7.32 | 7.52 | 0.00 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.72 | 8.92 | 0.00 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 05/23/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072307.D **Time Analyzed:** 12:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.658 | 5.552 | 5.752 | 480.810 | 500.000 | -3.8 |
| Aroclor-1016-2 | 5.679 | 5.574 | 5.774 | 507.080 | 500.000 | 1.4 |
| Aroclor-1016-3 | 5.741 | 5.636 | 5.836 | 506.840 | 500.000 | 1.4 |
| Aroclor-1016-4 | 5.839 | 5.734 | 5.934 | 521.080 | 500.000 | 4.2 |
| Aroclor-1016-5 | 6.132 | 6.027 | 6.227 | 525.940 | 500.000 | 5.2 |
| Aroclor-1260-1 | 7.250 | 7.147 | 7.347 | 504.090 | 500.000 | 0.8 |
| Aroclor-1260-2 | 7.503 | 7.401 | 7.601 | 503.000 | 500.000 | 0.6 |
| Aroclor-1260-3 | 7.862 | 7.760 | 7.960 | 528.630 | 500.000 | 5.7 |
| Aroclor-1260-4 | 8.086 | 7.985 | 8.185 | 524.460 | 500.000 | 4.9 |
| Aroclor-1260-5 | 8.405 | 8.303 | 8.503 | 528.920 | 500.000 | 5.8 |
| Decachlorobiphenyl | 10.214 | 10.113 | 10.313 | 53.660 | 50.000 | 7.3 |
| Tetrachloro-m-xylene | 4.505 | 4.396 | 4.596 | 52.260 | 50.000 | 4.5 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 05/23/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072307.D **Time Analyzed:** 12:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.881 | 4.777 | 4.977 | 519.560 | 500.000 | 3.9 |
| Aroclor-1016-2 | 4.899 | 4.795 | 4.995 | 518.720 | 500.000 | 3.7 |
| Aroclor-1016-3 | 5.076 | 4.973 | 5.173 | 534.070 | 500.000 | 6.8 |
| Aroclor-1016-4 | 5.118 | 5.015 | 5.215 | 541.090 | 500.000 | 8.2 |
| Aroclor-1016-5 | 5.332 | 5.229 | 5.429 | 534.440 | 500.000 | 6.9 |
| Aroclor-1260-1 | 6.365 | 6.264 | 6.464 | 557.400 | 500.000 | 11.5 |
| Aroclor-1260-2 | 6.554 | 6.453 | 6.653 | 527.390 | 500.000 | 5.5 |
| Aroclor-1260-3 | 6.706 | 6.606 | 6.806 | 563.330 | 500.000 | 12.7 |
| Aroclor-1260-4 | 7.177 | 7.077 | 7.277 | 551.400 | 500.000 | 10.3 |
| Aroclor-1260-5 | 7.419 | 7.319 | 7.519 | 540.150 | 500.000 | 8.0 |
| Decachlorobiphenyl | 8.821 | 8.723 | 8.923 | 57.320 | 50.000 | 14.6 |
| Tetrachloro-m-xylene | 3.798 | 3.691 | 3.891 | 52.740 | 50.000 | 5.5 |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 12:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 12:20:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.505 | 3.798 | 105.1E6 | 84293925 | 52.262 | 52.738 |
| 2) | SA Decachlor... | 10.214 | 8.821 | 87422459 | 60681658 | 53.662 | 57.322 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.658 | 4.881 | 36100613 | 31916035 | 480.805 | 519.555 |
| 4) | L1 AR-1016-2 | 5.679 | 4.899 | 54252906 | 45537983 | 507.076 | 518.719 |
| 5) | L1 AR-1016-3 | 5.741 | 5.076 | 33231018 | 25450677 | 506.841 | 534.067 |
| 6) | L1 AR-1016-4 | 5.839 | 5.118 | 27757802 | 20585958 | 521.078 | 541.090 |
| 7) | L1 AR-1016-5 | 6.132 | 5.332 | 25723343 | 26628362 | 525.941 | 534.444 |
| 31) | L7 AR-1260-1 | 7.250 | 6.365 | 47180381 | 44455098 | 504.092 | 557.405 |
| 32) | L7 AR-1260-2 | 7.503 | 6.554 | 72174914 | 53489339 | 502.997 | 527.393 |
| 33) | L7 AR-1260-3 | 7.862 | 6.706 | 60195078 | 48954319 | 528.626 | 563.326 |
| 34) | L7 AR-1260-4 | 8.086 | 7.177 | 56275585 | 39751028 | 524.457 | 551.401 |
| 35) | L7 AR-1260-5 | 8.405 | 7.419 | 125.2E6 | 93782415 | 528.923 | 540.147 |

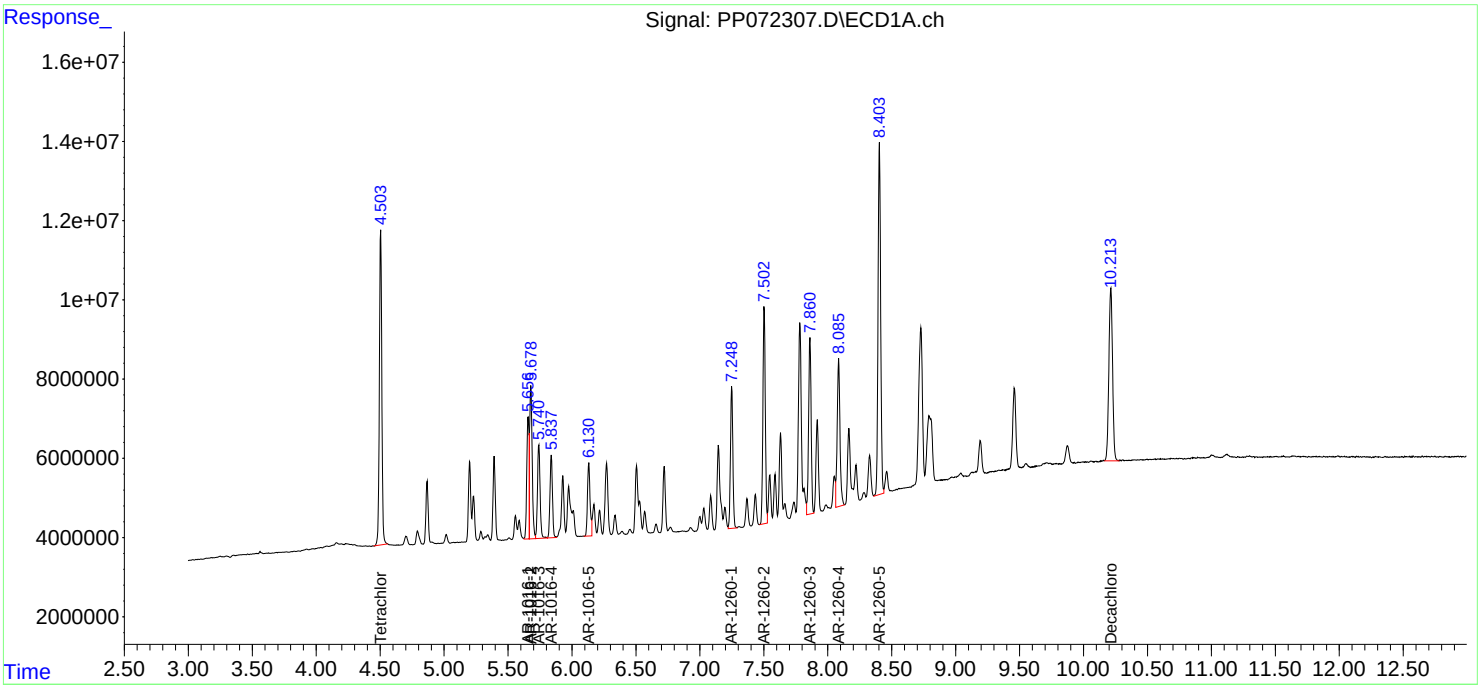
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

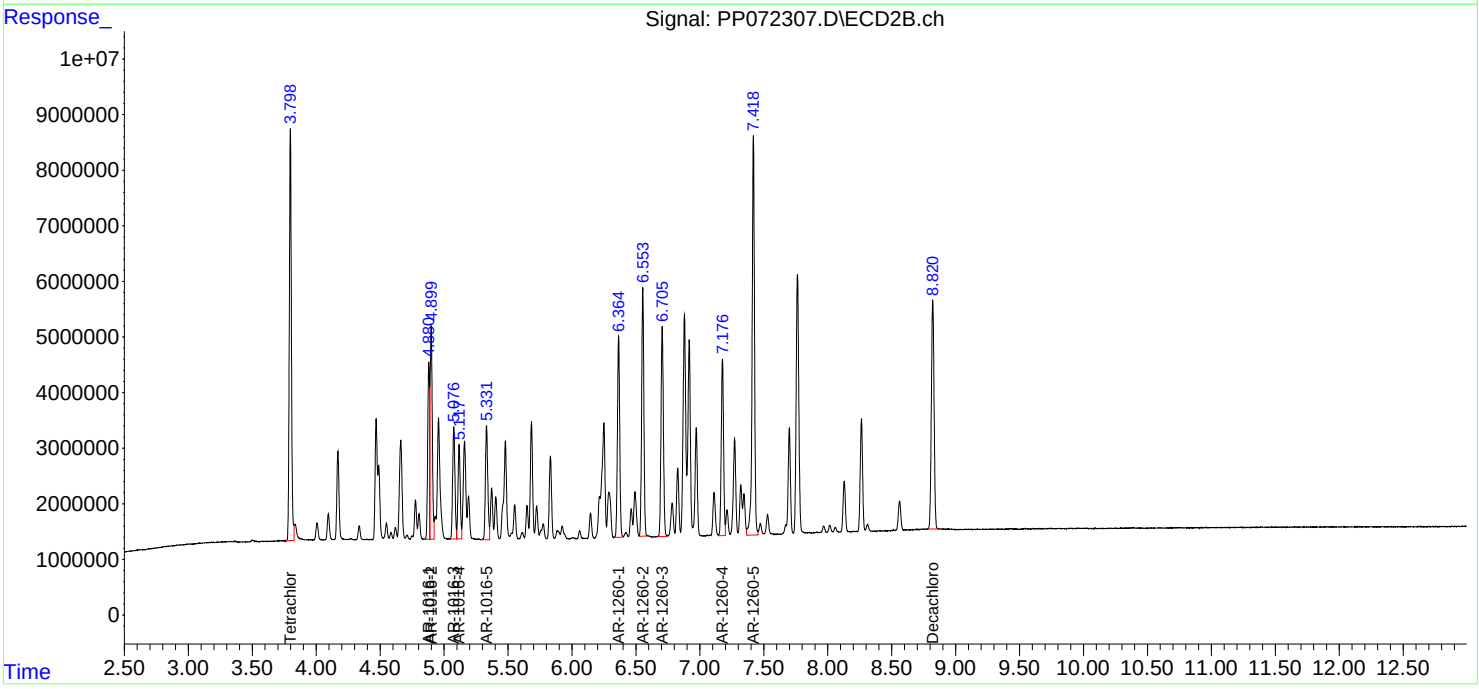
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 12:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

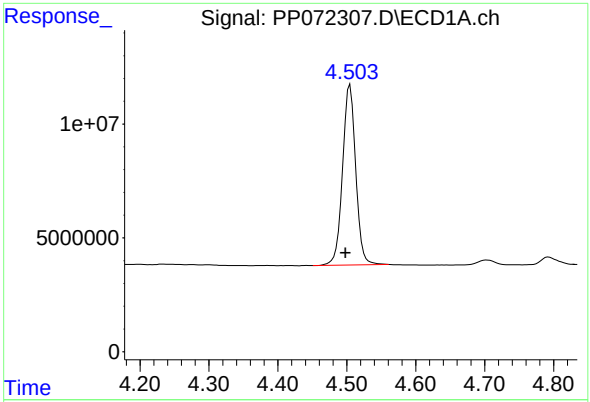
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 12:20:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



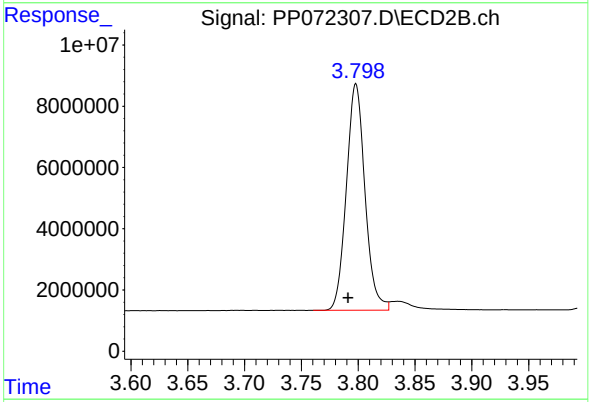






#1 Tetrachloro-m-xylene

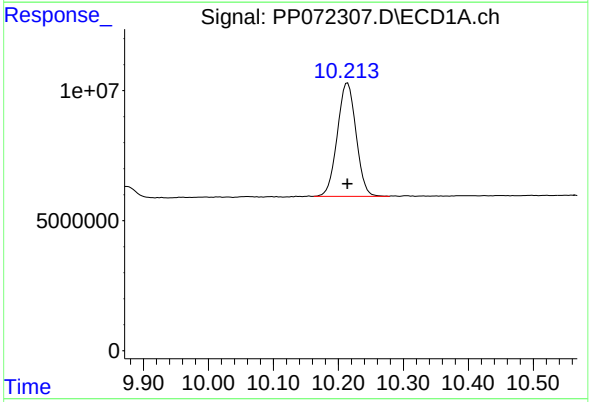
R.T.: 4.505 min
Delta R.T.: 0.007 min
Response: 105088404
Conc: 52.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



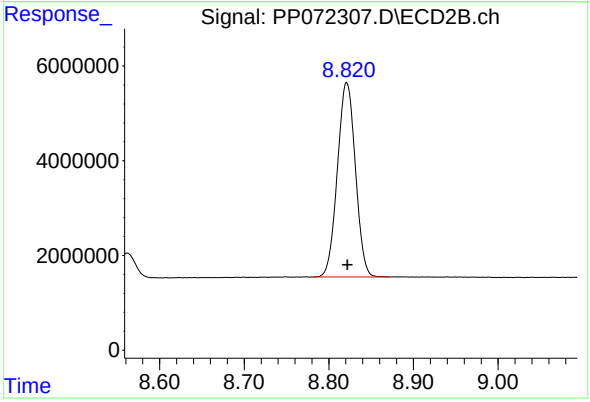

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 84293925
Conc: 52.74 ng/ml



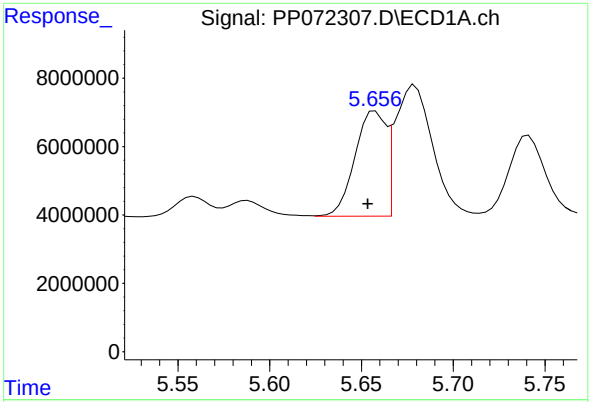

#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 87422459
Conc: 53.66 ng/ml




#2 Decachlorobiphenyl

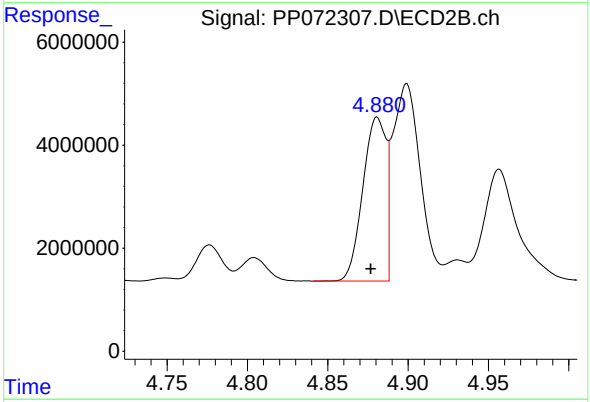
R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 60681658
Conc: 57.32 ng/ml




#3 AR-1016-1

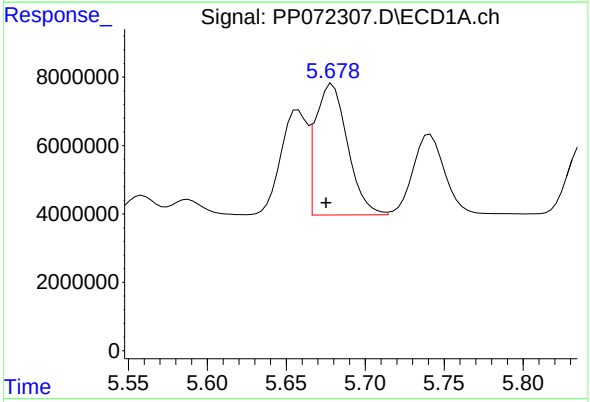
R.T.: 5.658 min
Delta R.T.: 0.004 min
Response: 36100613
Conc: 480.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



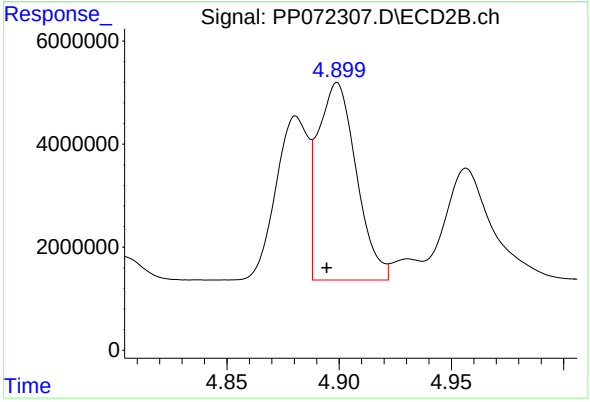

#3 AR-1016-1

R.T.: 4.881 min
Delta R.T.: 0.004 min
Response: 31916035
Conc: 519.56 ng/ml



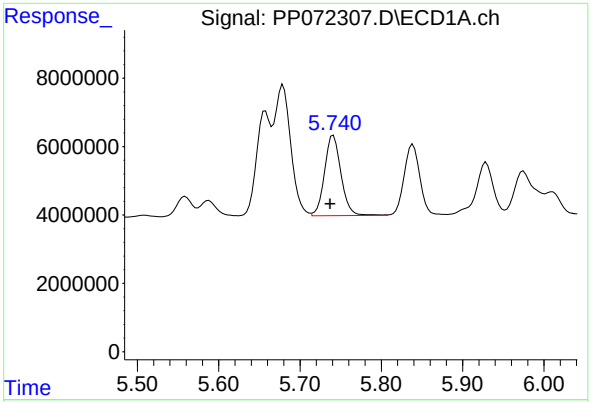

#4 AR-1016-2

R.T.: 5.679 min
Delta R.T.: 0.004 min
Response: 54252906
Conc: 507.08 ng/ml




#4 AR-1016-2

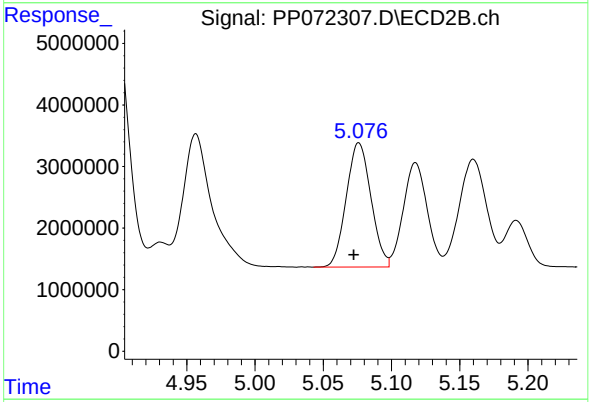
R.T.: 4.899 min
Delta R.T.: 0.005 min
Response: 45537983
Conc: 518.72 ng/ml




#5 AR-1016-3

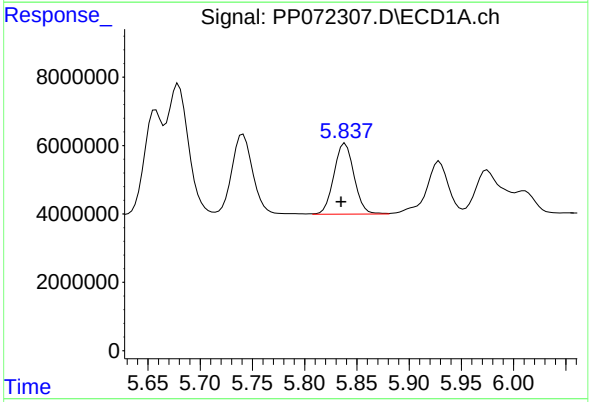
R.T.: 5.741 min
Delta R.T.: 0.004 min
Response: 33231018
Conc: 506.84 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



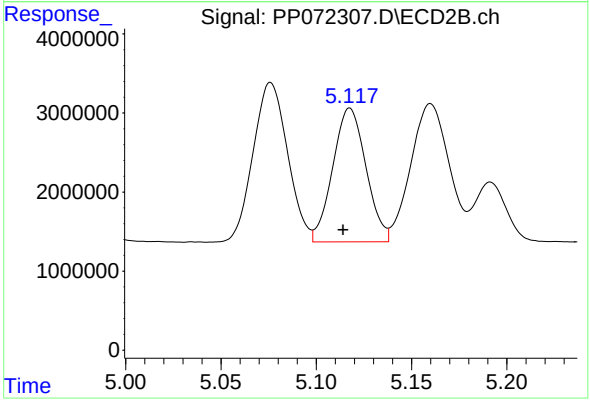

#5 AR-1016-3

R.T.: 5.076 min
Delta R.T.: 0.004 min
Response: 25450677
Conc: 534.07 ng/ml



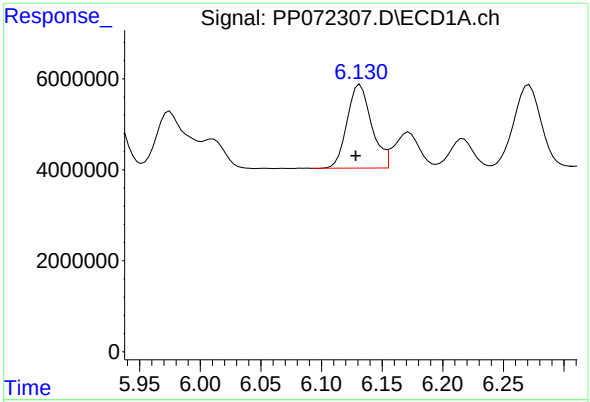

#6 AR-1016-4

R.T.: 5.839 min
Delta R.T.: 0.004 min
Response: 27757802
Conc: 521.08 ng/ml




#6 AR-1016-4

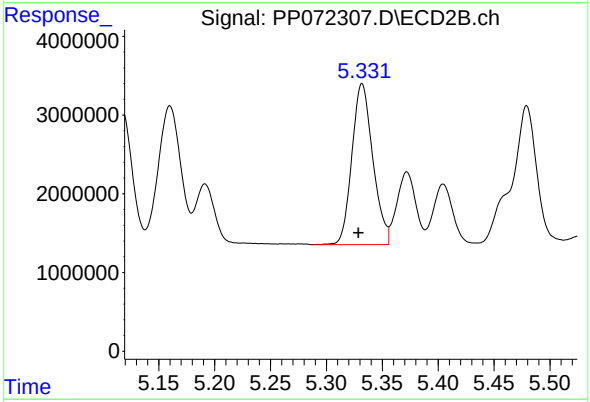
R.T.: 5.118 min
Delta R.T.: 0.004 min
Response: 20585958
Conc: 541.09 ng/ml




#7 AR-1016-5

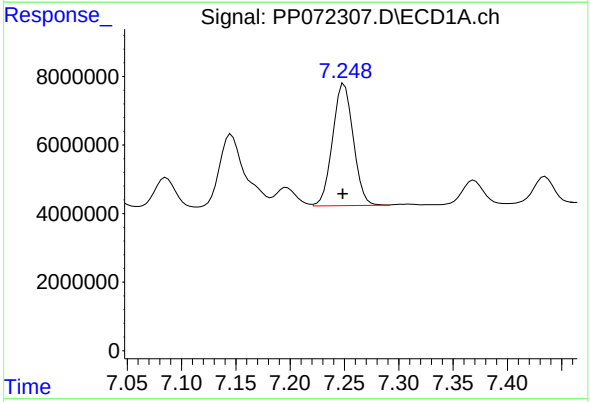
R.T.: 6.132 min
Delta R.T.: 0.004 min
Response: 25723343
Conc: 525.94 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



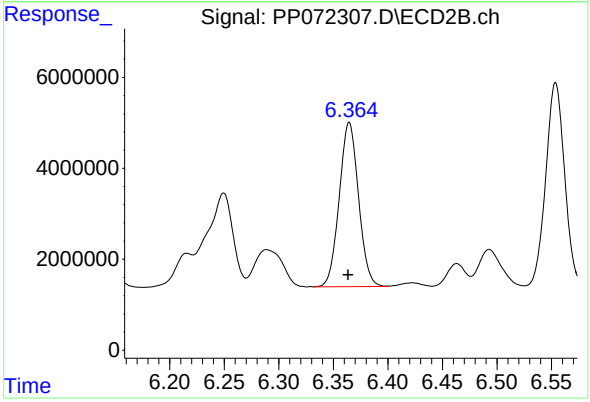

#7 AR-1016-5

R.T.: 5.332 min
Delta R.T.: 0.003 min
Response: 26628362
Conc: 534.44 ng/ml



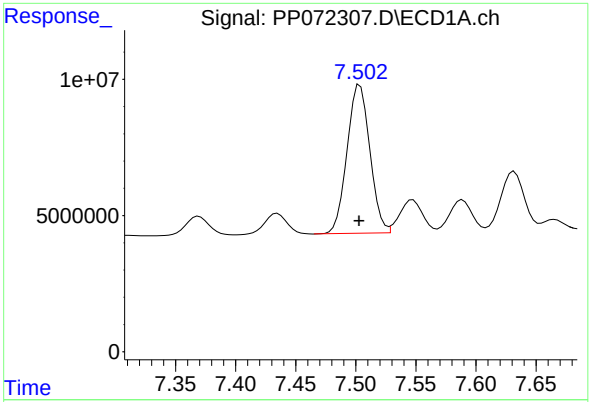

#31 AR-1260-1

R.T.: 7.250 min
Delta R.T.: 0.001 min
Response: 47180381
Conc: 504.09 ng/ml




#31 AR-1260-1

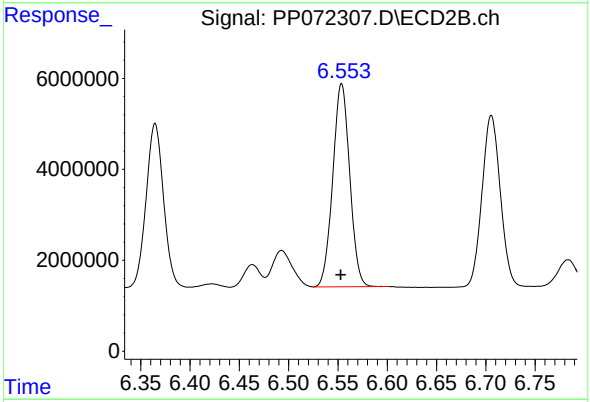
R.T.: 6.365 min
Delta R.T.: 0.000 min
Response: 44455098
Conc: 557.40 ng/ml




#32 AR-1260-2

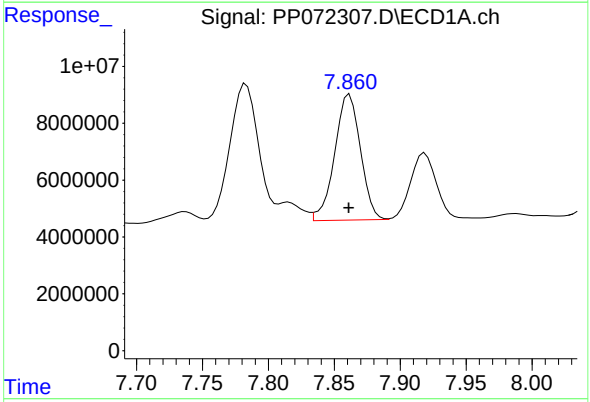
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 72174914
Conc: 503.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



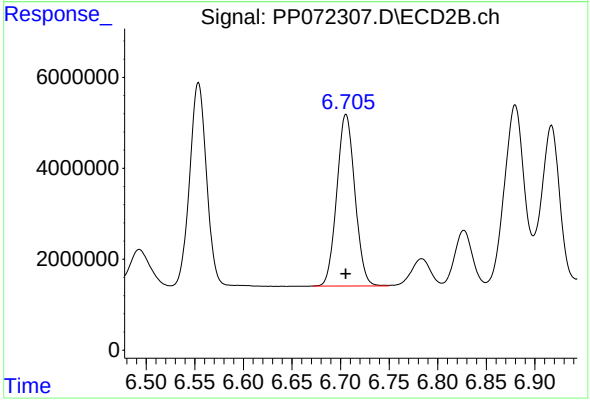

#32 AR-1260-2

R.T.: 6.554 min
Delta R.T.: 0.001 min
Response: 53489339
Conc: 527.39 ng/ml



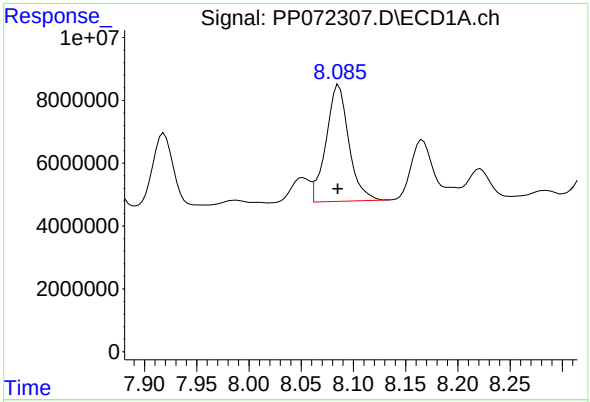

#33 AR-1260-3

R.T.: 7.862 min
Delta R.T.: 0.000 min
Response: 60195078
Conc: 528.63 ng/ml




#33 AR-1260-3

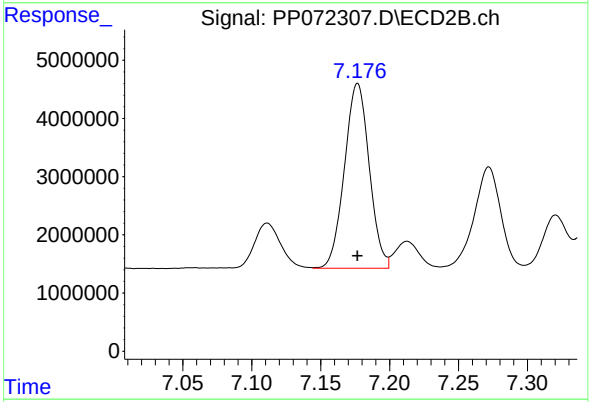
R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 48954319
Conc: 563.33 ng/ml




#34 AR-1260-4

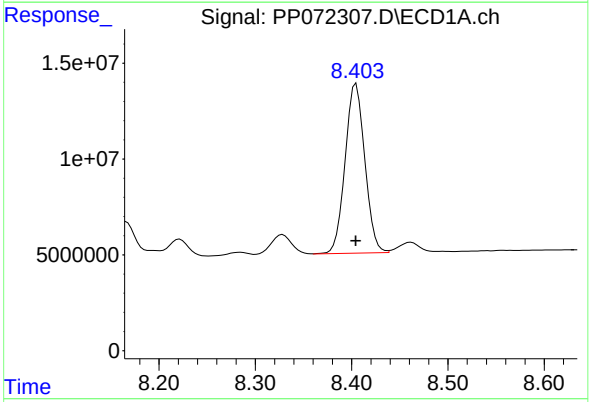
R.T.: 8.086 min
Delta R.T.: 0.001 min
Response: 56275585
Conc: 524.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



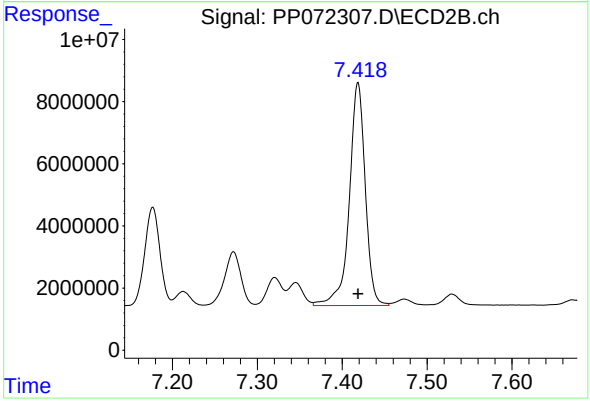

#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 39751028
Conc: 551.40 ng/ml




#35 AR-1260-5

R.T.: 8.405 min
Delta R.T.: 0.000 min
Response: 125176011
Conc: 528.92 ng/ml




#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 93782415
Conc: 540.15 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 17:22 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.66 | 5.65 | 5.55 | 5.75 | -0.01 |
| Aroclor-1016-2 | (2) | 5.68 | 5.67 | 5.57 | 5.77 | -0.01 |
| Aroclor-1016-3 | (3) | 5.74 | 5.74 | 5.64 | 5.84 | 0.00 |
| Aroclor-1016-4 | (4) | 5.84 | 5.83 | 5.73 | 5.93 | -0.01 |
| Aroclor-1016-5 | (5) | 6.13 | 6.13 | 6.03 | 6.23 | 0.00 |
| Aroclor-1260-1 | (1) | 7.25 | 7.25 | 7.15 | 7.35 | 0.00 |
| Aroclor-1260-2 | (2) | 7.50 | 7.50 | 7.40 | 7.60 | 0.00 |
| Aroclor-1260-3 | (3) | 7.86 | 7.86 | 7.76 | 7.96 | 0.00 |
| Aroclor-1260-4 | (4) | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Aroclor-1260-5 | (5) | 8.40 | 8.40 | 8.30 | 8.50 | 0.00 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.21 | 10.21 | 10.11 | 10.31 | 0.00 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 17:22 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.88 | 4.88 | 4.78 | 4.98 | 0.00 |
| Aroclor-1016-2 | (2) | 4.90 | 4.90 | 4.80 | 5.00 | 0.00 |
| Aroclor-1016-3 | (3) | 5.08 | 5.07 | 4.97 | 5.17 | 0.00 |
| Aroclor-1016-4 | (4) | 5.12 | 5.12 | 5.02 | 5.22 | 0.00 |
| Aroclor-1016-5 | (5) | 5.33 | 5.33 | 5.23 | 5.43 | 0.00 |
| Aroclor-1260-1 | (1) | 6.36 | 6.36 | 6.26 | 6.46 | 0.00 |
| Aroclor-1260-2 | (2) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-3 | (3) | 6.71 | 6.71 | 6.61 | 6.81 | 0.01 |
| Aroclor-1260-4 | (4) | 7.18 | 7.18 | 7.08 | 7.28 | 0.00 |
| Aroclor-1260-5 | (5) | 7.42 | 7.42 | 7.32 | 7.52 | 0.00 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.72 | 8.92 | 0.00 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 05/23/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072322.D **Time Analyzed:** 17:22

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.656 | 5.552 | 5.752 | 430.030 | 500.000 | -14.0 |
| Aroclor-1016-2 | 5.677 | 5.574 | 5.774 | 465.180 | 500.000 | -7.0 |
| Aroclor-1016-3 | 5.739 | 5.636 | 5.836 | 448.080 | 500.000 | -10.4 |
| Aroclor-1016-4 | 5.837 | 5.734 | 5.934 | 456.730 | 500.000 | -8.7 |
| Aroclor-1016-5 | 6.130 | 6.027 | 6.227 | 456.390 | 500.000 | -8.7 |
| Aroclor-1260-1 | 7.248 | 7.147 | 7.347 | 430.370 | 500.000 | -13.9 |
| Aroclor-1260-2 | 7.501 | 7.401 | 7.601 | 417.130 | 500.000 | -16.6 |
| Aroclor-1260-3 | 7.861 | 7.760 | 7.960 | 425.650 | 500.000 | -14.9 |
| Aroclor-1260-4 | 8.084 | 7.985 | 8.185 | 414.730 | 500.000 | -17.1 |
| Aroclor-1260-5 | 8.404 | 8.303 | 8.503 | 440.150 | 500.000 | -12.0 |
| Decachlorobiphenyl | 10.211 | 10.113 | 10.313 | 44.670 | 50.000 | -10.7 |
| Tetrachloro-m-xylene | 4.503 | 4.396 | 4.596 | 49.930 | 50.000 | -0.1 |

Alliance TECHNICAL GROUP

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 05/23/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072322.D **Time Analyzed:** 17:22

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.880 | 4.777 | 4.977 | 518.370 | 500.000 | 3.7 |
| Aroclor-1016-2 | 4.898 | 4.795 | 4.995 | 525.830 | 500.000 | 5.2 |
| Aroclor-1016-3 | 5.075 | 4.973 | 5.173 | 537.100 | 500.000 | 7.4 |
| Aroclor-1016-4 | 5.117 | 5.015 | 5.215 | 531.330 | 500.000 | 6.3 |
| Aroclor-1016-5 | 5.331 | 5.229 | 5.429 | 566.760 | 500.000 | 13.4 |
| Aroclor-1260-1 | 6.364 | 6.264 | 6.464 | 497.790 | 500.000 | -0.4 |
| Aroclor-1260-2 | 6.553 | 6.453 | 6.653 | 472.800 | 500.000 | -5.4 |
| Aroclor-1260-3 | 6.705 | 6.606 | 6.806 | 498.670 | 500.000 | -0.3 |
| Aroclor-1260-4 | 7.176 | 7.077 | 7.277 | 484.670 | 500.000 | -3.1 |
| Aroclor-1260-5 | 7.418 | 7.319 | 7.519 | 475.080 | 500.000 | -5.0 |
| Decachlorobiphenyl | 8.820 | 8.723 | 8.923 | 50.170 | 50.000 | 0.3 |
| Tetrachloro-m-xylene | 3.797 | 3.691 | 3.891 | 52.470 | 50.000 | 4.9 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 17:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.797 | 100.4E6 | 83867736 | 49.933 | 52.471 |
| 2) | SA Decachlor... | 10.211 | 8.820 | 72778770 | 53110220 | 44.674 | 50.170 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.656 | 4.880 | 32287930 | 31843333 | 430.026 | 518.372 |
| 4) | L1 AR-1016-2 | 5.677 | 4.898 | 49770052 | 46162402 | 465.177 | 525.831 |
| 5) | L1 AR-1016-3 | 5.739 | 5.075 | 29378050 | 25594995 | 448.076 | 537.095 |
| 6) | L1 AR-1016-4 | 5.837 | 5.117 | 24329780 | 20214662 | 456.726 | 531.331 |
| 7) | L1 AR-1016-5 | 6.130 | 5.331 | 22321753 | 28238556 | 456.392 | 566.761 |
| 31) | L7 AR-1260-1 | 7.248 | 6.364 | 40280621 | 39700965 | 430.373 | 497.795 |
| 32) | L7 AR-1260-2 | 7.501 | 6.553 | 59854139 | 47952303 | 417.132 | 472.799 |
| 33) | L7 AR-1260-3 | 7.861 | 6.705 | 48469420 | 43335929 | 425.653 | 498.674 |
| 34) | L7 AR-1260-4 | 8.084 | 7.176 | 44501596 | 34940437 | 414.730 | 484.672 |
| 35) | L7 AR-1260-5 | 8.404 | 7.418 | 104.2E6 | 82484707 | 440.155 | 475.077 |

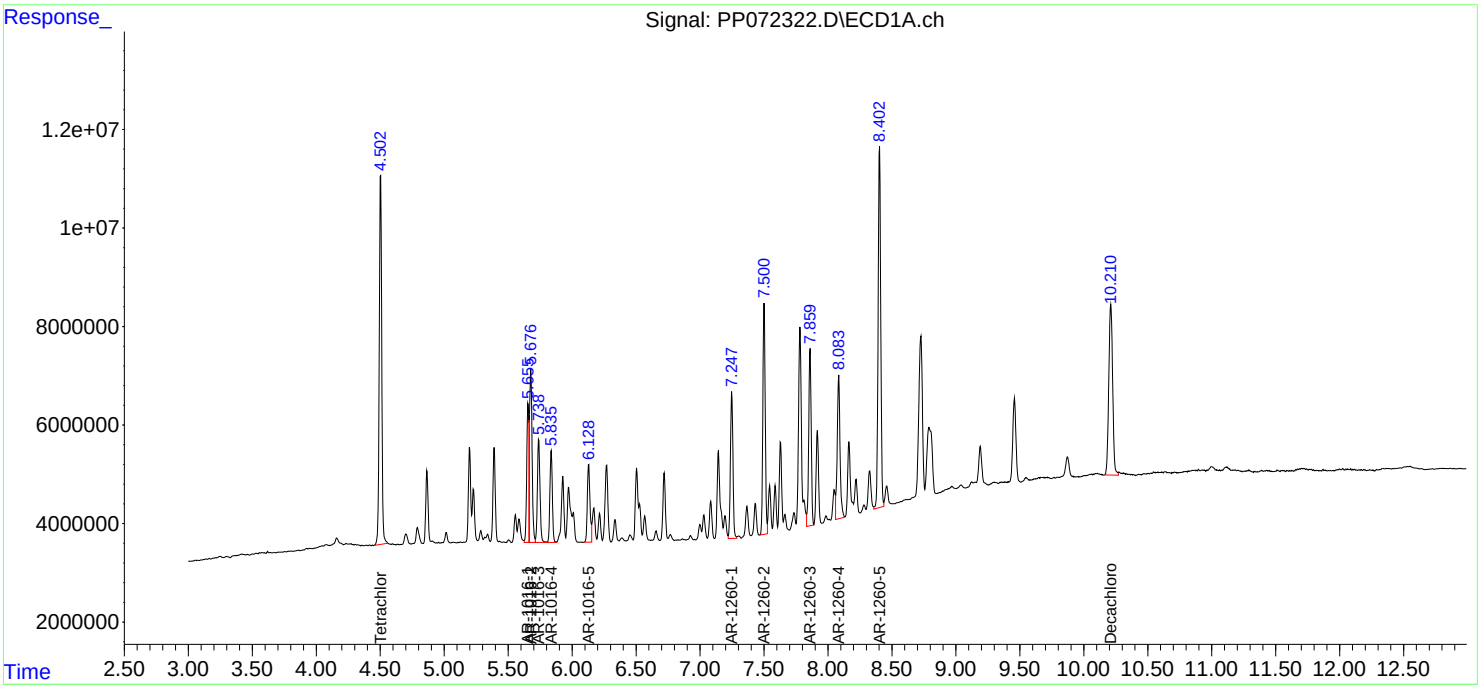
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

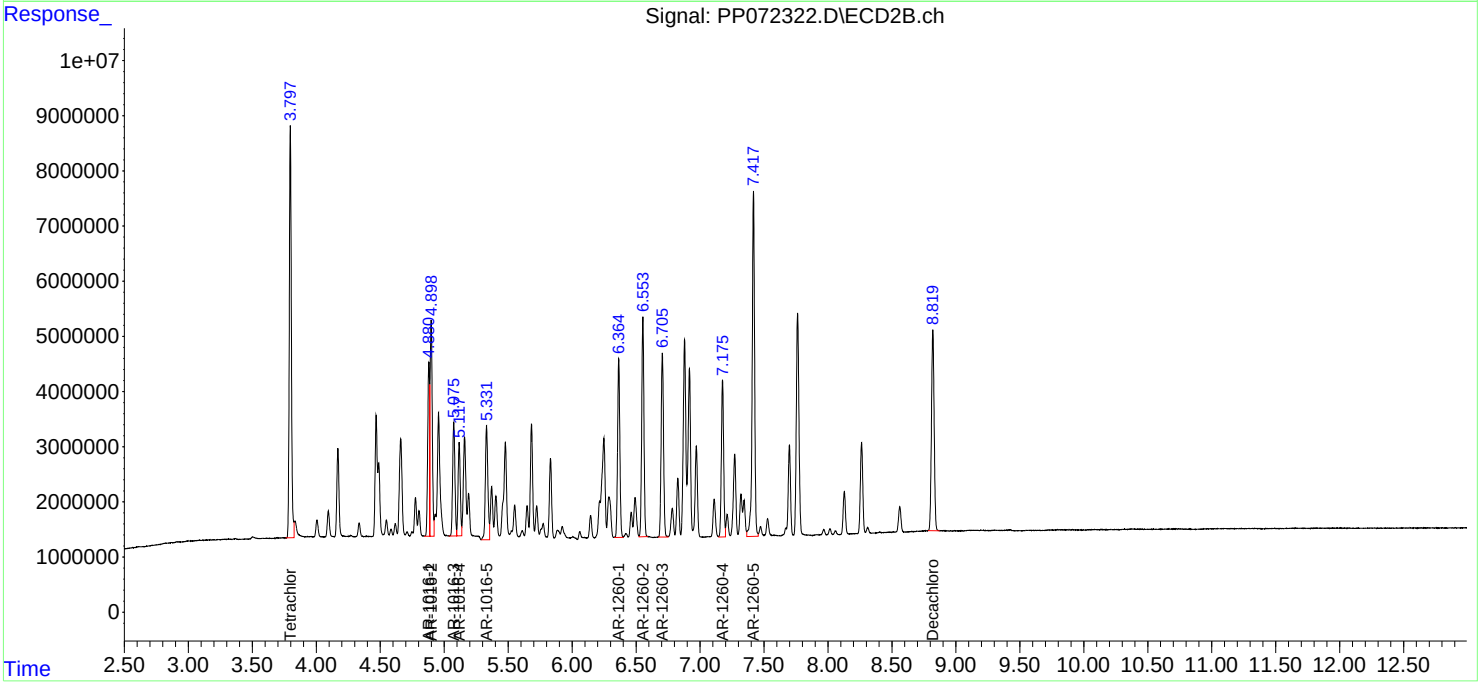
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 17:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

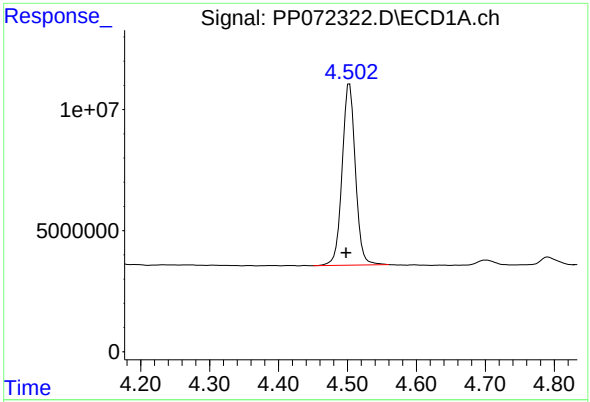
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



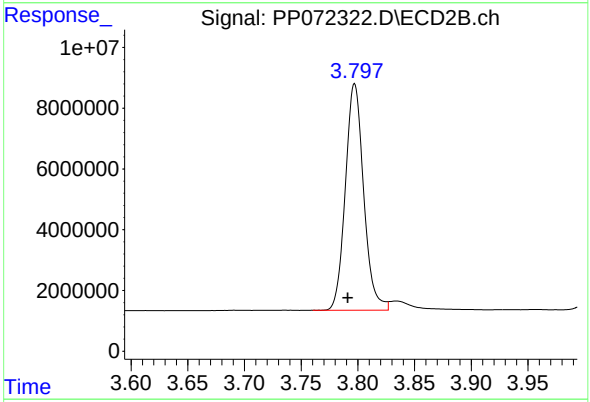






#1 Tetrachloro-m-xylene

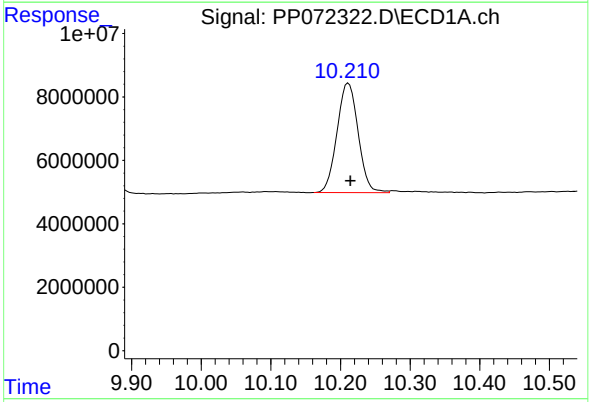
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 100406150
Conc: 49.93 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



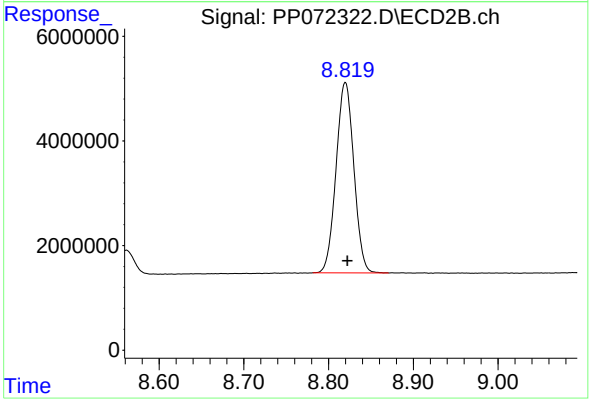

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 83867736
Conc: 52.47 ng/ml



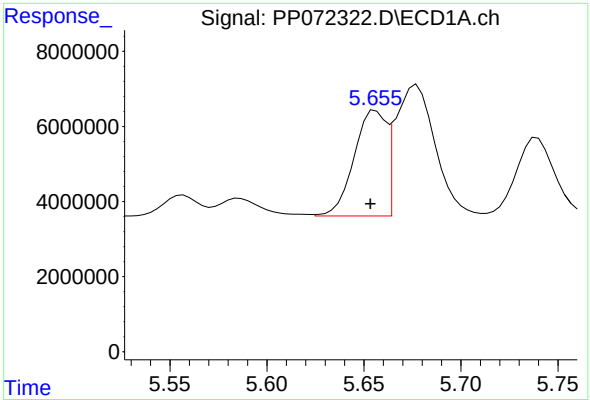

#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.003 min
Response: 72778770
Conc: 44.67 ng/ml




#2 Decachlorobiphenyl

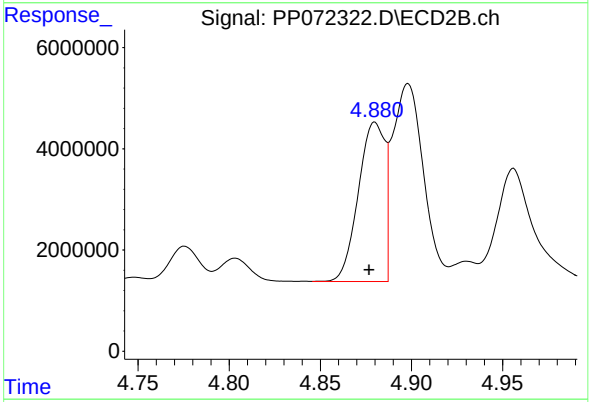
R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 53110220
Conc: 50.17 ng/ml




#3 AR-1016-1

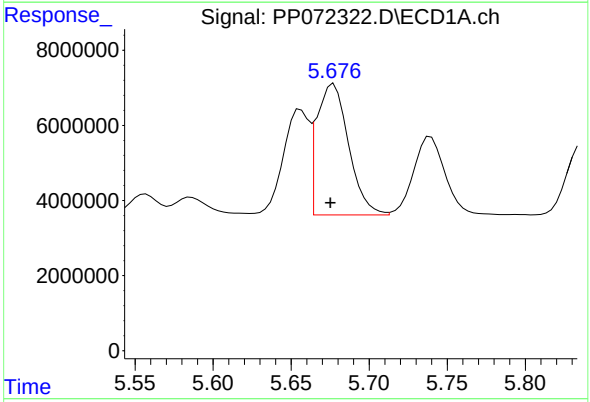
R.T.: 5.656 min
Delta R.T.: 0.003 min
Response: 32287930
Conc: 430.03 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



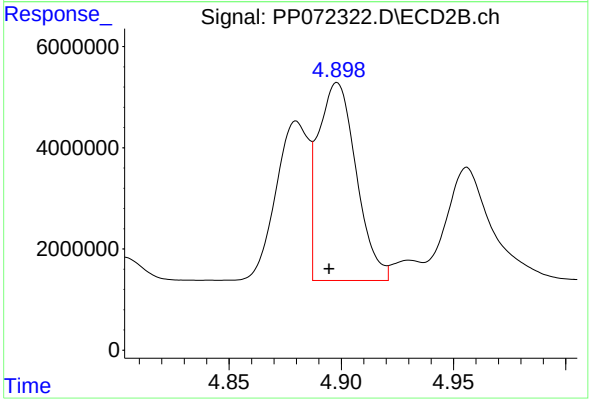

#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.003 min
Response: 31843333
Conc: 518.37 ng/ml



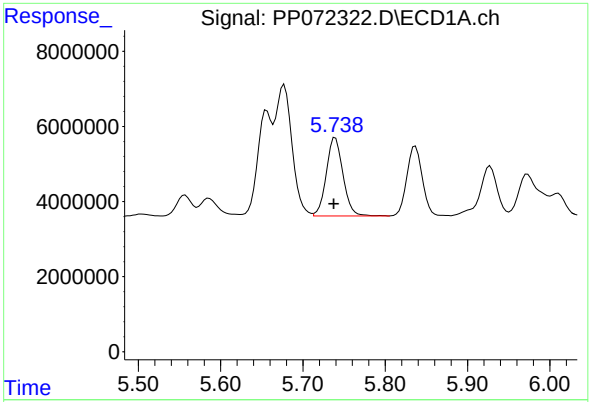

#4 AR-1016-2

R.T.: 5.677 min
Delta R.T.: 0.002 min
Response: 49770052
Conc: 465.18 ng/ml




#4 AR-1016-2

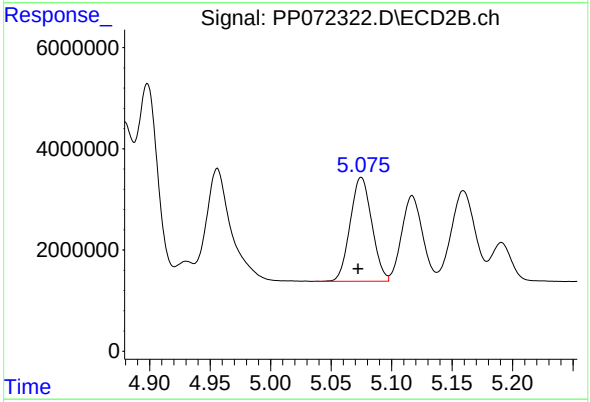
R.T.: 4.898 min
Delta R.T.: 0.004 min
Response: 46162402
Conc: 525.83 ng/ml




#5 AR-1016-3

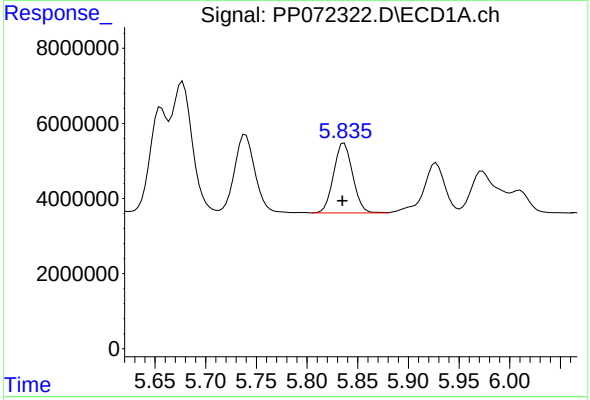
R.T.: 5.739 min
Delta R.T.: 0.002 min
Response: 29378050
Conc: 448.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



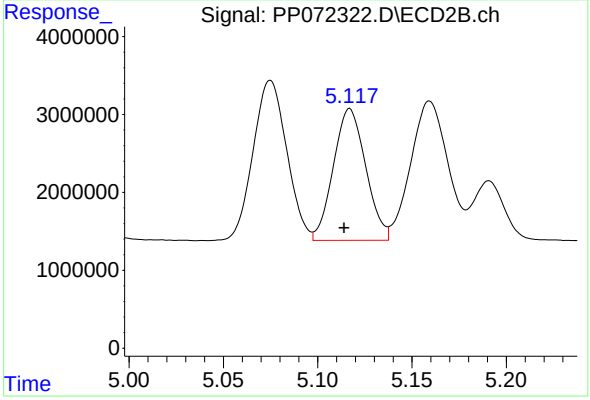

#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 25594995
Conc: 537.10 ng/ml



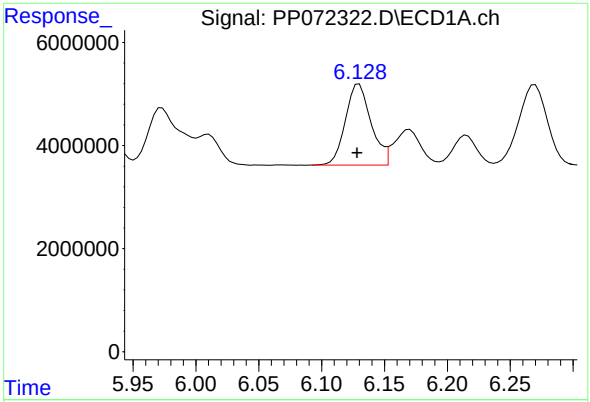

#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.002 min
Response: 24329780
Conc: 456.73 ng/ml




#6 AR-1016-4

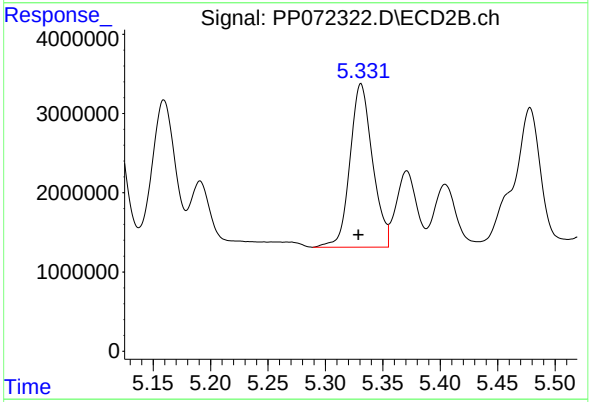
R.T.: 5.117 min
Delta R.T.: 0.003 min
Response: 20214662
Conc: 531.33 ng/ml




#7 AR-1016-5

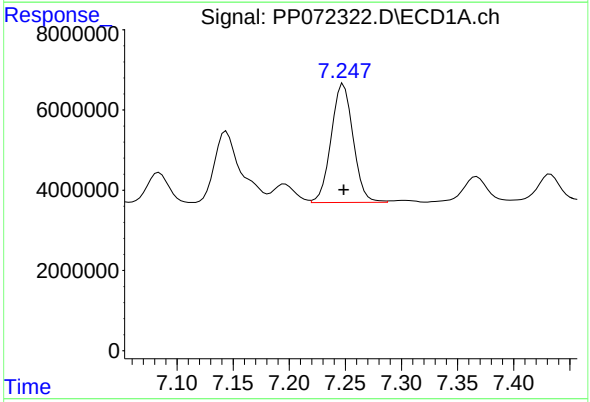
R.T.: 6.130 min
Delta R.T.: 0.002 min
Response: 22321753
Conc: 456.39 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



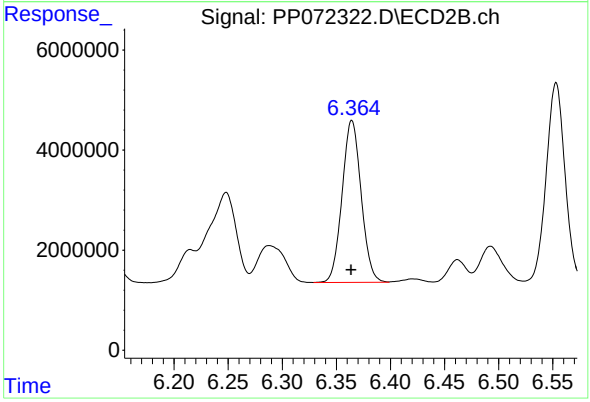

#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.002 min
Response: 28238556
Conc: 566.76 ng/ml



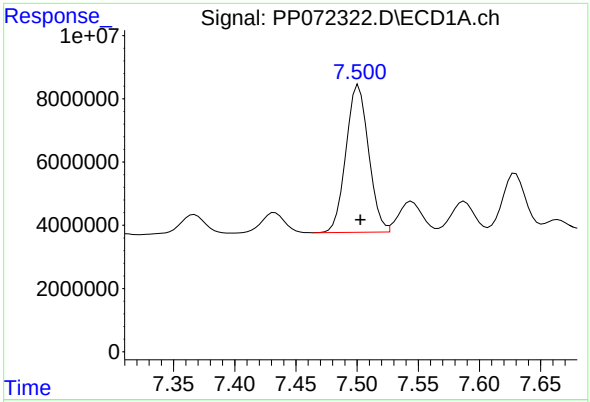

#31 AR-1260-1

R.T.: 7.248 min
Delta R.T.: 0.000 min
Response: 40280621
Conc: 430.37 ng/ml




#31 AR-1260-1

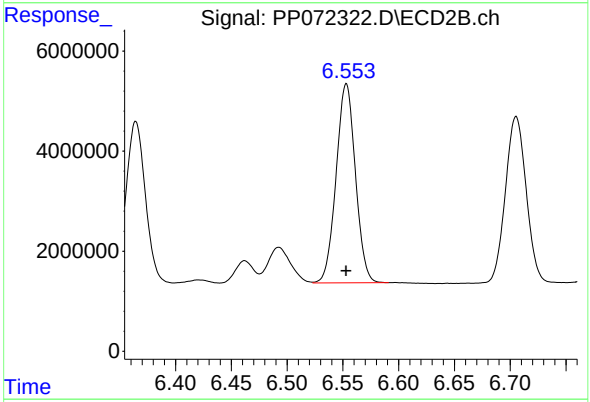
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 39700965
Conc: 497.79 ng/ml




#32 AR-1260-2

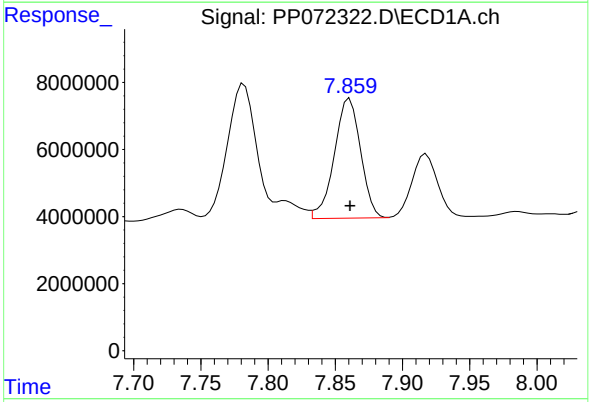
R.T.: 7.501 min
Delta R.T.: -0.001 min
Response: 59854139
Conc: 417.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



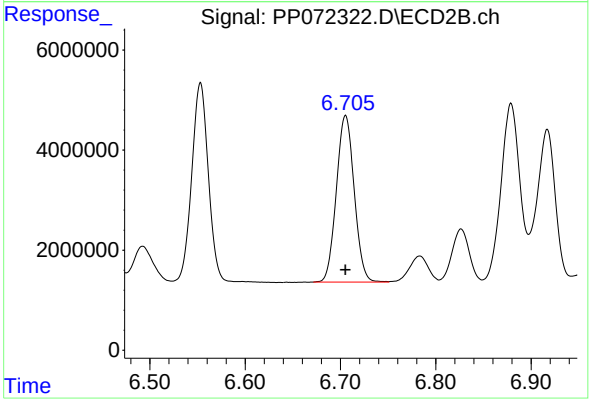

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 47952303
Conc: 472.80 ng/ml



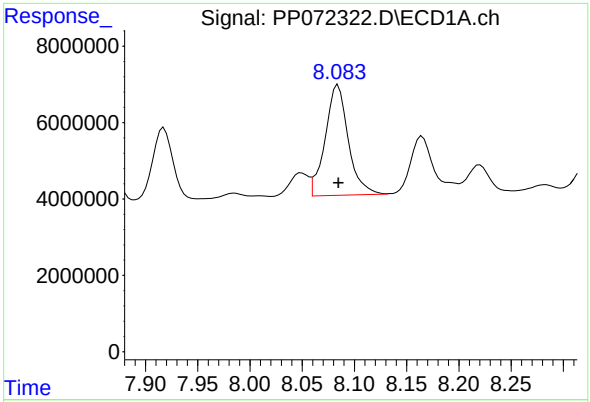

#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 48469420
Conc: 425.65 ng/ml




#33 AR-1260-3

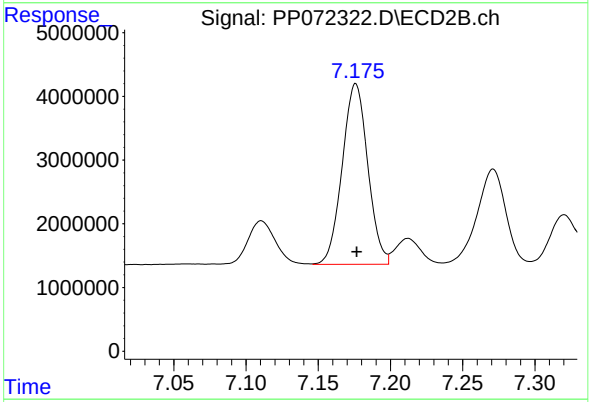
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 43335929
Conc: 498.67 ng/ml




#34 AR-1260-4

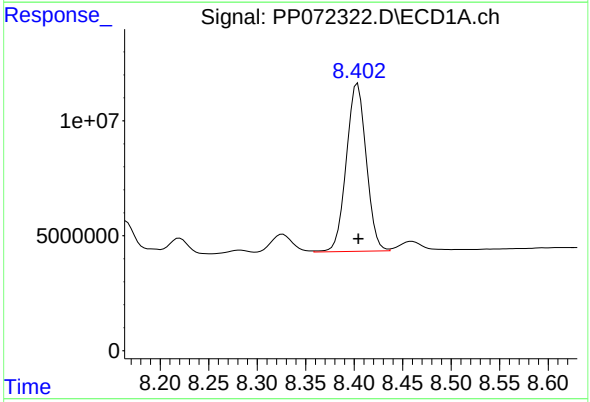
R.T.: 8.084 min
Delta R.T.: 0.000 min
Response: 44501596
Conc: 414.73 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



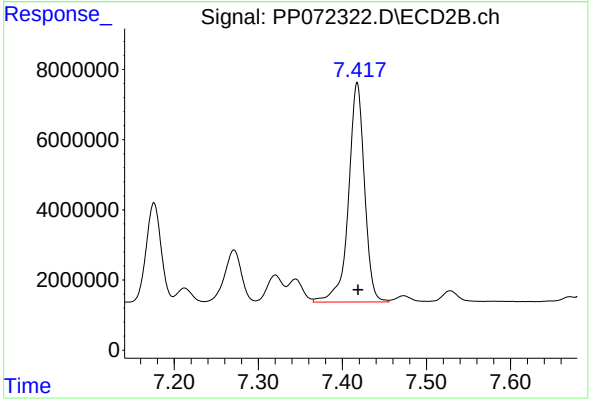

#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 34940437
Conc: 484.67 ng/ml




#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 104168034
Conc: 440.15 ng/ml




#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: -0.001 min
Response: 82484707
Conc: 475.08 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 02:05 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.65 | 5.65 | 5.55 | 5.75 | 0.00 |
| Aroclor-1016-2 | (2) | 5.67 | 5.67 | 5.57 | 5.77 | 0.00 |
| Aroclor-1016-3 | (3) | 5.74 | 5.74 | 5.64 | 5.84 | 0.00 |
| Aroclor-1016-4 | (4) | 5.83 | 5.83 | 5.73 | 5.93 | 0.00 |
| Aroclor-1016-5 | (5) | 6.13 | 6.13 | 6.03 | 6.23 | 0.00 |
| Aroclor-1260-1 | (1) | 7.25 | 7.25 | 7.15 | 7.35 | 0.01 |
| Aroclor-1260-2 | (2) | 7.50 | 7.50 | 7.40 | 7.60 | 0.00 |
| Aroclor-1260-3 | (3) | 7.86 | 7.86 | 7.76 | 7.96 | 0.00 |
| Aroclor-1260-4 | (4) | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Aroclor-1260-5 | (5) | 8.40 | 8.40 | 8.30 | 8.50 | 0.00 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.21 | 10.21 | 10.11 | 10.31 | 0.01 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 02:05 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.88 | 4.88 | 4.78 | 4.98 | 0.00 |
| Aroclor-1016-2 | (2) | 4.90 | 4.90 | 4.80 | 5.00 | 0.00 |
| Aroclor-1016-3 | (3) | 5.07 | 5.07 | 4.97 | 5.17 | 0.00 |
| Aroclor-1016-4 | (4) | 5.12 | 5.12 | 5.02 | 5.22 | 0.01 |
| Aroclor-1016-5 | (5) | 5.33 | 5.33 | 5.23 | 5.43 | 0.00 |
| Aroclor-1260-1 | (1) | 6.36 | 6.36 | 6.26 | 6.46 | 0.00 |
| Aroclor-1260-2 | (2) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-3 | (3) | 6.70 | 6.71 | 6.61 | 6.81 | 0.01 |
| Aroclor-1260-4 | (4) | 7.17 | 7.18 | 7.08 | 7.28 | 0.01 |
| Aroclor-1260-5 | (5) | 7.42 | 7.42 | 7.32 | 7.52 | 0.01 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.72 | 8.92 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072347.D **Time Analyzed:** 02:05

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.653 | 5.552 | 5.752 | 461.720 | 500.000 | -7.7 |
| Aroclor-1016-2 | 5.674 | 5.574 | 5.774 | 487.490 | 500.000 | -2.5 |
| Aroclor-1016-3 | 5.736 | 5.636 | 5.836 | 487.020 | 500.000 | -2.6 |
| Aroclor-1016-4 | 5.834 | 5.734 | 5.934 | 503.070 | 500.000 | 0.6 |
| Aroclor-1016-5 | 6.126 | 6.027 | 6.227 | 496.600 | 500.000 | -0.7 |
| Aroclor-1260-1 | 7.245 | 7.147 | 7.347 | 482.650 | 500.000 | -3.5 |
| Aroclor-1260-2 | 7.498 | 7.401 | 7.601 | 476.560 | 500.000 | -4.7 |
| Aroclor-1260-3 | 7.856 | 7.760 | 7.960 | 494.700 | 500.000 | -1.1 |
| Aroclor-1260-4 | 8.081 | 7.985 | 8.185 | 482.640 | 500.000 | -3.5 |
| Aroclor-1260-5 | 8.400 | 8.303 | 8.503 | 489.690 | 500.000 | -2.1 |
| Decachlorobiphenyl | 10.205 | 10.113 | 10.313 | 49.450 | 50.000 | -1.1 |
| Tetrachloro-m-xylene | 4.500 | 4.396 | 4.596 | 50.360 | 50.000 | 0.7 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072347.D **Time Analyzed:** 02:05

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.878 | 4.777 | 4.977 | 509.160 | 500.000 | 1.8 |
| Aroclor-1016-2 | 4.896 | 4.795 | 4.995 | 521.050 | 500.000 | 4.2 |
| Aroclor-1016-3 | 5.073 | 4.973 | 5.173 | 535.580 | 500.000 | 7.1 |
| Aroclor-1016-4 | 5.115 | 5.015 | 5.215 | 540.020 | 500.000 | 8.0 |
| Aroclor-1016-5 | 5.329 | 5.229 | 5.429 | 532.910 | 500.000 | 6.6 |
| Aroclor-1260-1 | 6.361 | 6.264 | 6.464 | 537.210 | 500.000 | 7.4 |
| Aroclor-1260-2 | 6.550 | 6.453 | 6.653 | 504.890 | 500.000 | 1.0 |
| Aroclor-1260-3 | 6.703 | 6.606 | 6.806 | 534.550 | 500.000 | 6.9 |
| Aroclor-1260-4 | 7.173 | 7.077 | 7.277 | 531.200 | 500.000 | 6.2 |
| Aroclor-1260-5 | 7.415 | 7.319 | 7.519 | 522.390 | 500.000 | 4.5 |
| Decachlorobiphenyl | 8.816 | 8.723 | 8.923 | 51.900 | 50.000 | 3.8 |
| Tetrachloro-m-xylene | 3.796 | 3.691 | 3.891 | 51.320 | 50.000 | 2.6 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:05
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.796 | 101.3E6 | 82021140 | 50.364 | 51.316 |
| 2) | SA Decachlor... | 10.205 | 8.816 | 80552259 | 54941515 | 49.445 | 51.900 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.653 | 4.878 | 34667725 | 31277742 | 461.721 | 509.165 |
| 4) | L1 AR-1016-2 | 5.674 | 4.896 | 52156848 | 45742370 | 487.485 | 521.047 |
| 5) | L1 AR-1016-3 | 5.736 | 5.073 | 31931644 | 25522816 | 487.023 | 535.581 |
| 6) | L1 AR-1016-4 | 5.834 | 5.115 | 26798673 | 20545401 | 503.073 | 540.024 |
| 7) | L1 AR-1016-5 | 6.126 | 5.329 | 24288299 | 26552132 | 496.600 | 532.914 |
| 31) | L7 AR-1260-1 | 7.245 | 6.361 | 45173719 | 42844767 | 482.652 | 537.213 |
| 32) | L7 AR-1260-2 | 7.498 | 6.550 | 68380919 | 51207463 | 476.556 | 504.894 |
| 33) | L7 AR-1260-3 | 7.856 | 6.703 | 56332128 | 46453978 | 494.702 | 534.554 |
| 34) | L7 AR-1260-4 | 8.081 | 7.173 | 51788693 | 38294558 | 482.642 | 531.198 |
| 35) | L7 AR-1260-5 | 8.400 | 7.415 | 115.9E6 | 90698578 | 489.689 | 522.385 |

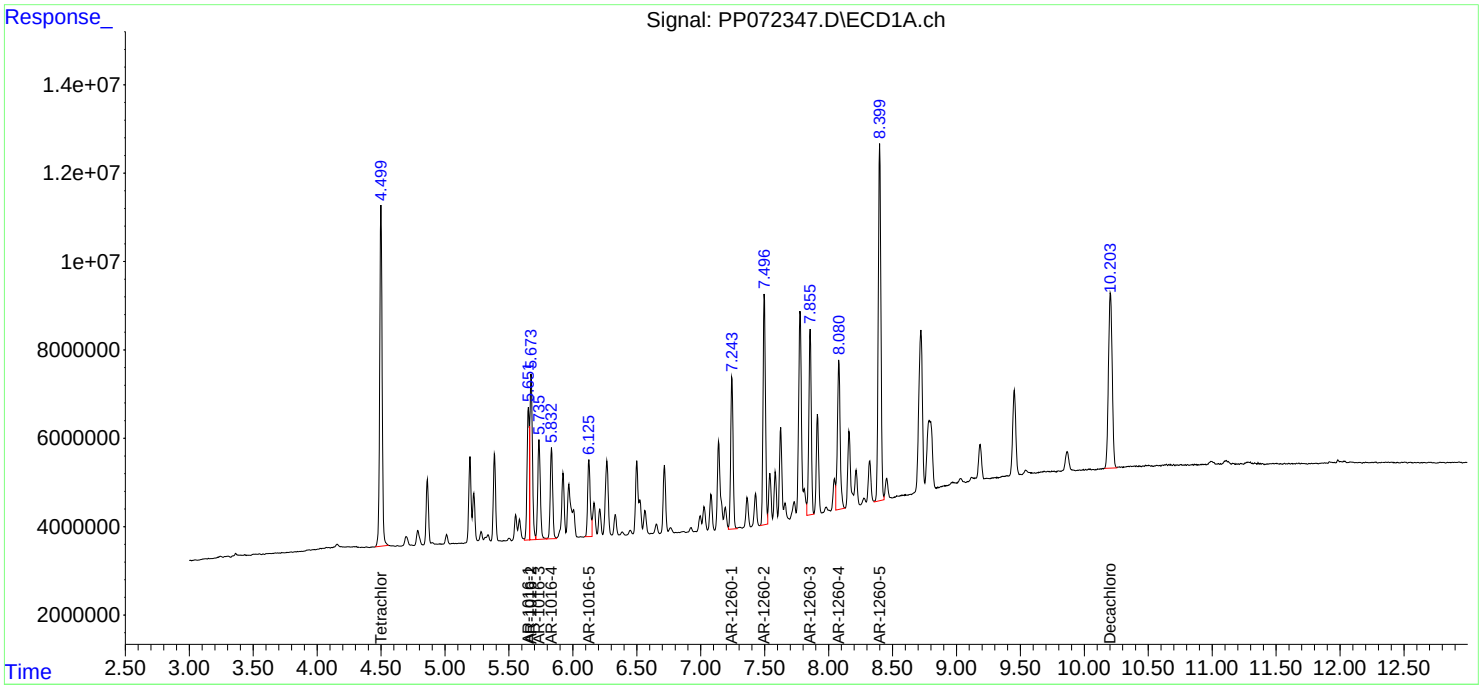
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

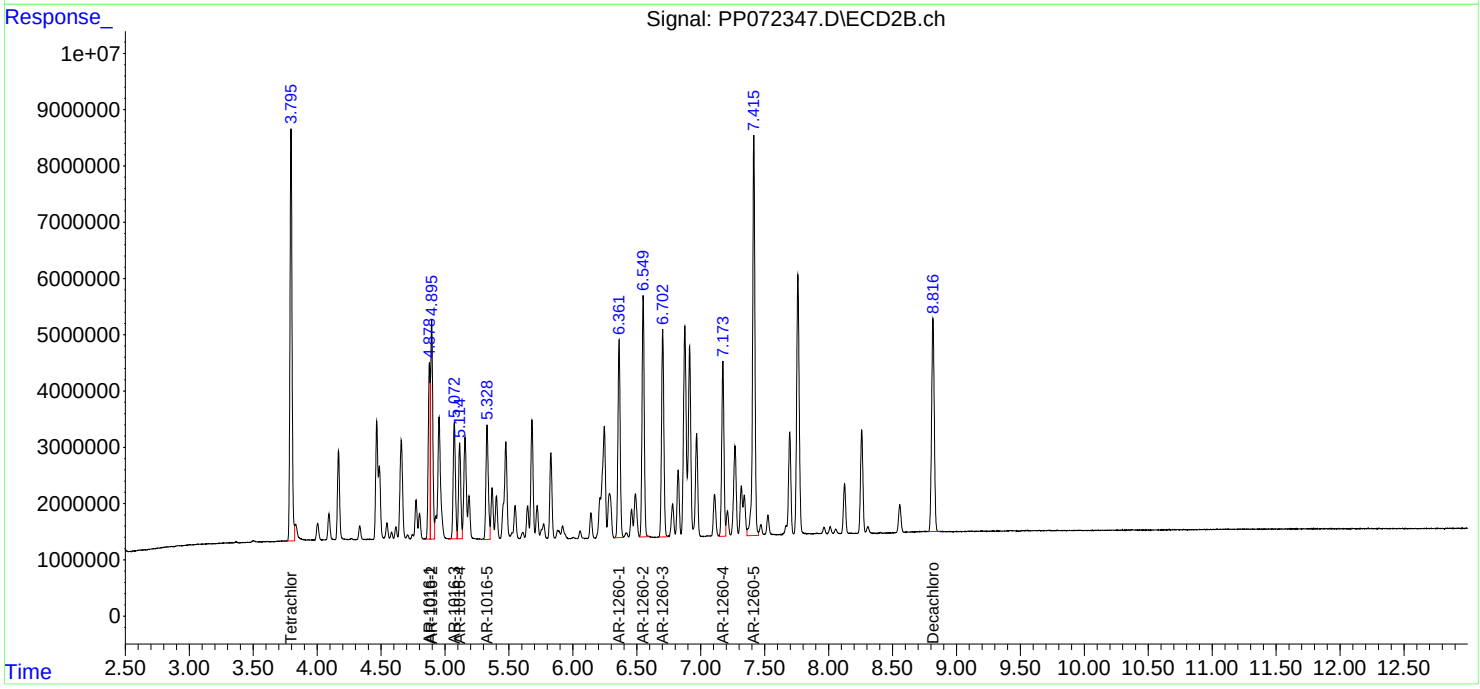
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:05
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

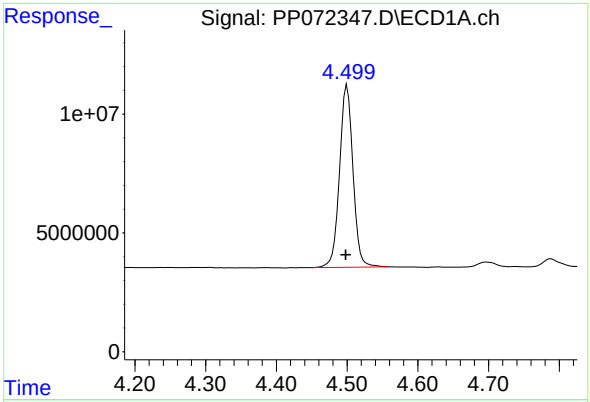
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



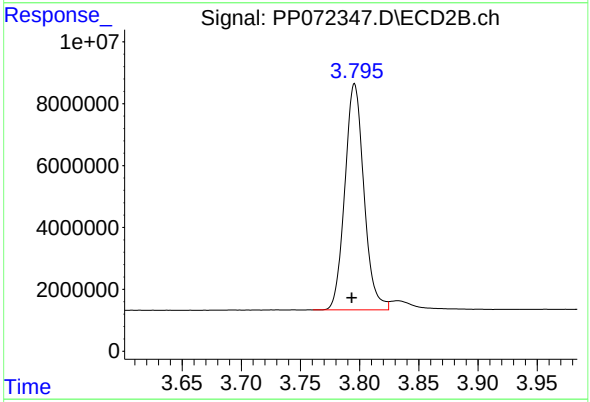






#1 Tetrachloro-m-xylene

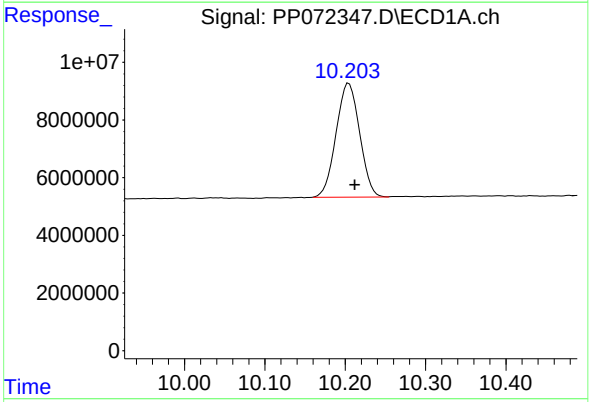
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 101271368
Conc: 50.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



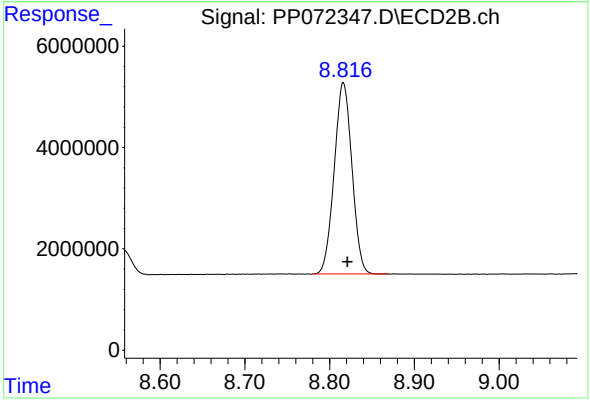

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 82021140
Conc: 51.32 ng/ml



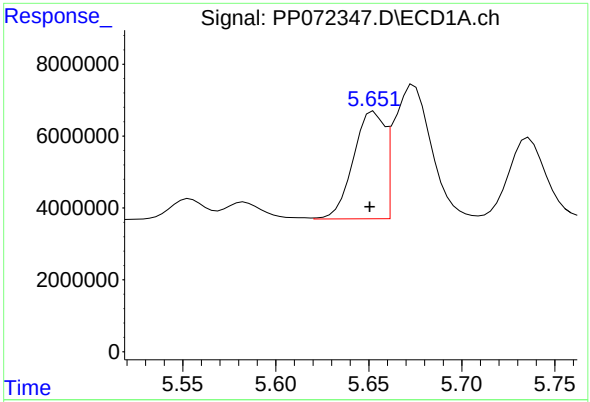

#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.007 min
Response: 80552259
Conc: 49.45 ng/ml




#2 Decachlorobiphenyl

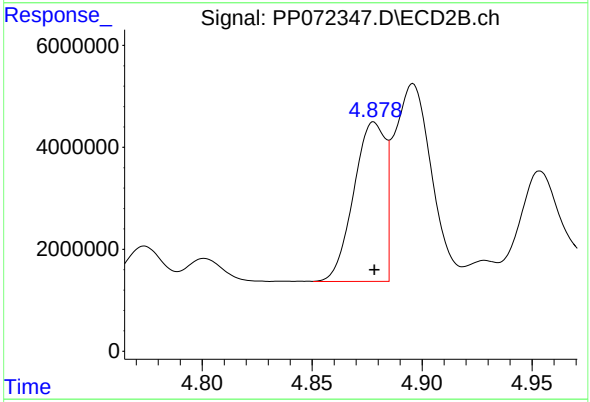
R.T.: 8.816 min
Delta R.T.: -0.005 min
Response: 54941515
Conc: 51.90 ng/ml




#3 AR-1016-1

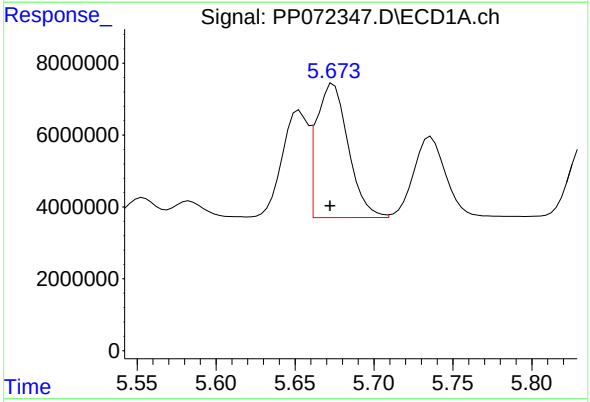
R.T.: 5.653 min
Delta R.T.: 0.002 min
Response: 34667725
Conc: 461.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



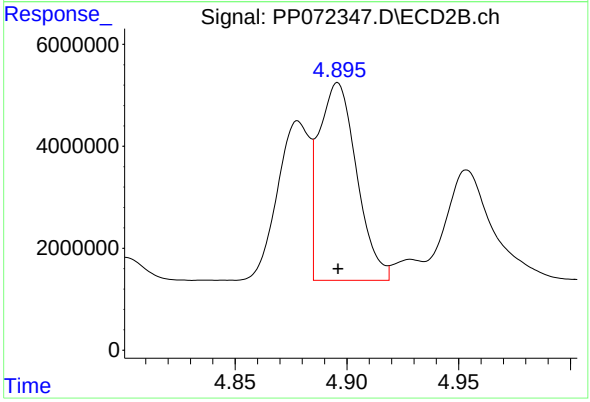

#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 31277742
Conc: 509.16 ng/ml



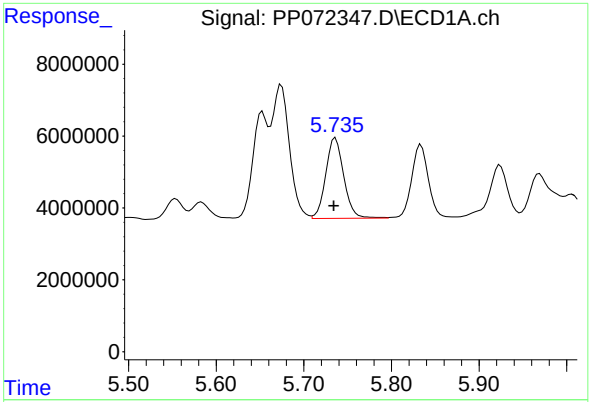

#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.002 min
Response: 52156848
Conc: 487.49 ng/ml




#4 AR-1016-2

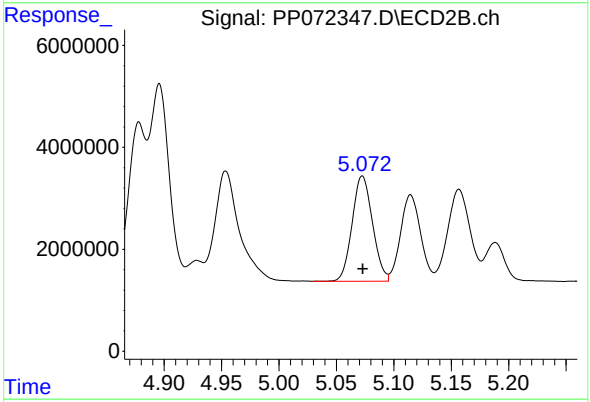
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 45742370
Conc: 521.05 ng/ml




#5 AR-1016-3

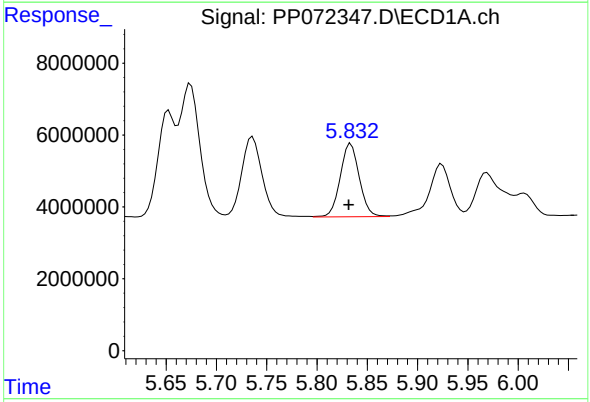
R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 31931644
Conc: 487.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



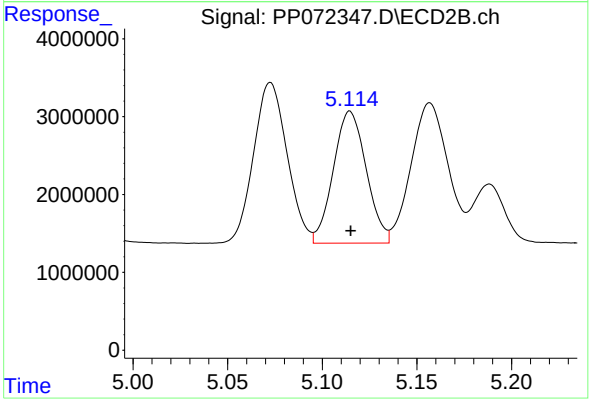

#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 25522816
Conc: 535.58 ng/ml



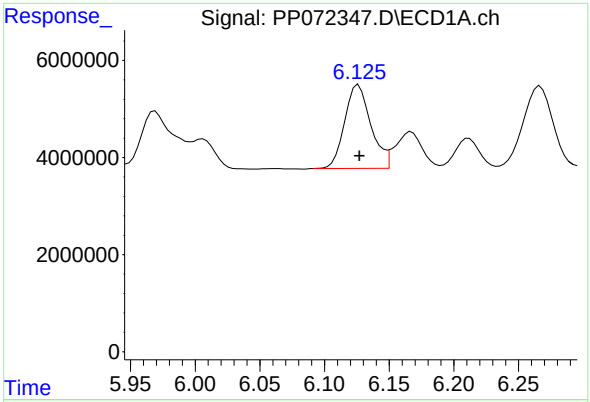

#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 26798673
Conc: 503.07 ng/ml




#6 AR-1016-4

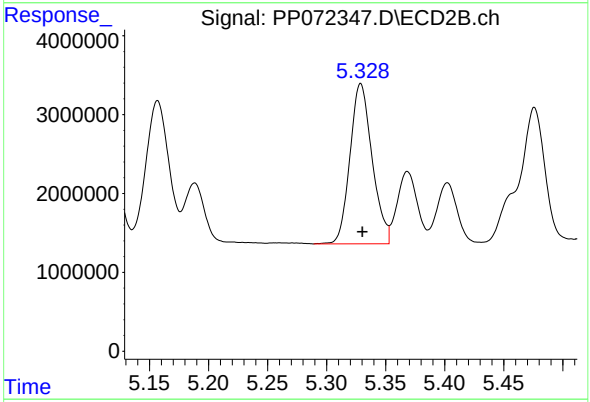
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 20545401
Conc: 540.02 ng/ml




#7 AR-1016-5

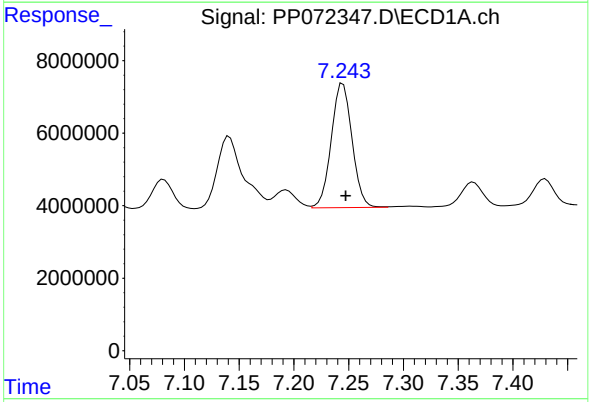
R.T.: 6.126 min
Delta R.T.: 0.000 min
Response: 24288299
Conc: 496.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



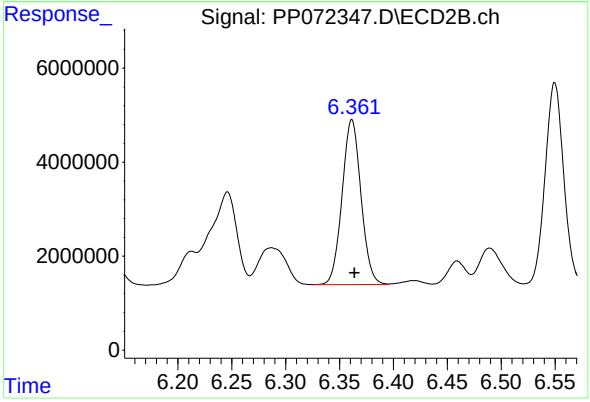

#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: -0.002 min
Response: 26552132
Conc: 532.91 ng/ml



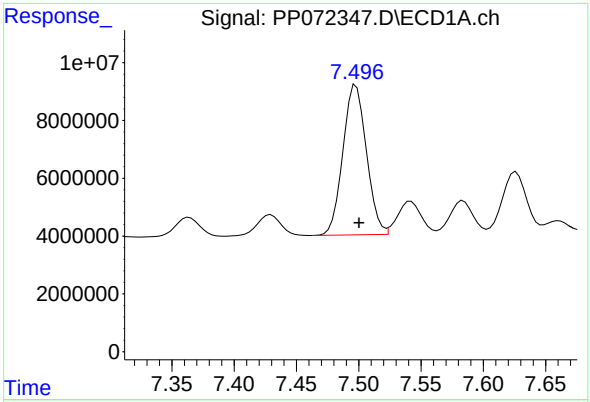

#31 AR-1260-1

R.T.: 7.245 min
Delta R.T.: -0.002 min
Response: 45173719
Conc: 482.65 ng/ml




#31 AR-1260-1

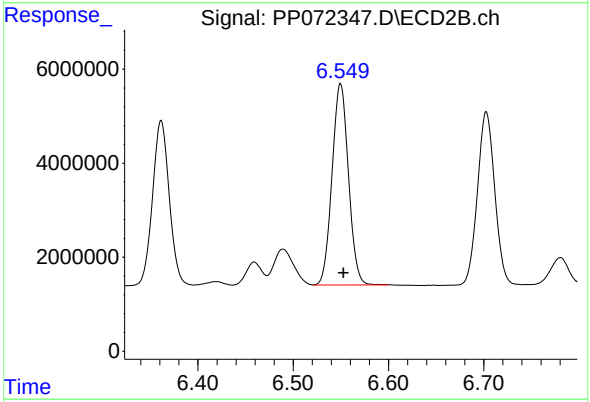
R.T.: 6.361 min
Delta R.T.: -0.002 min
Response: 42844767
Conc: 537.21 ng/ml




#32 AR-1260-2

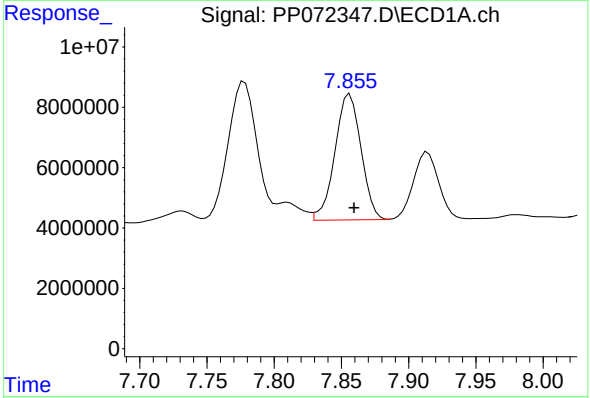
R.T.: 7.498 min
Delta R.T.: -0.003 min
Response: 68380919
Conc: 476.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



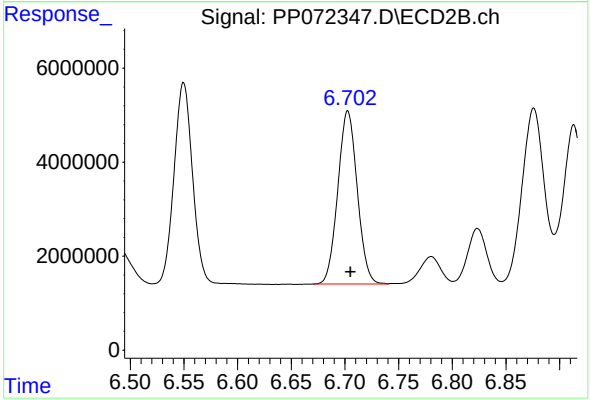

#32 AR-1260-2

R.T.: 6.550 min
Delta R.T.: -0.003 min
Response: 51207463
Conc: 504.89 ng/ml



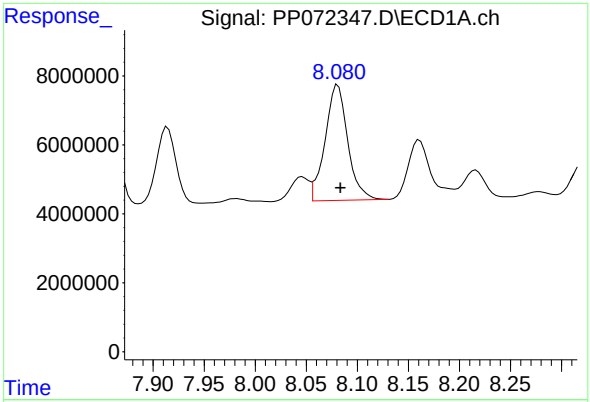

#33 AR-1260-3

R.T.: 7.856 min
Delta R.T.: -0.003 min
Response: 56332128
Conc: 494.70 ng/ml




#33 AR-1260-3

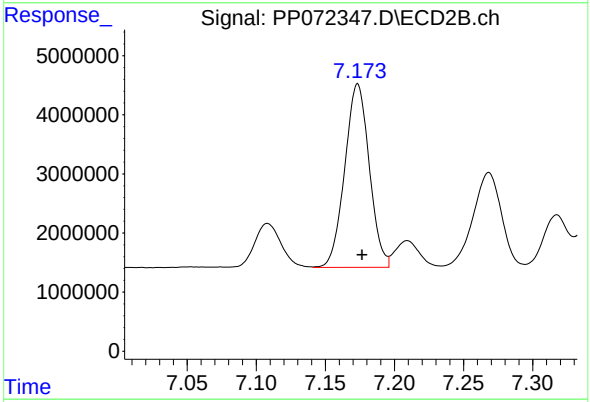
R.T.: 6.703 min
Delta R.T.: -0.003 min
Response: 46453978
Conc: 534.55 ng/ml




#34 AR-1260-4

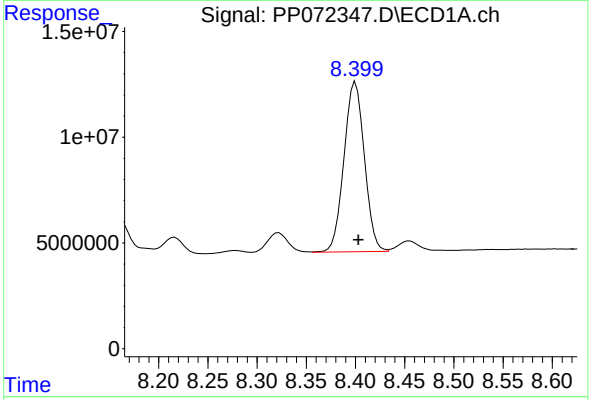
R.T.: 8.081 min
Delta R.T.: -0.002 min
Response: 51788693
Conc: 482.64 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



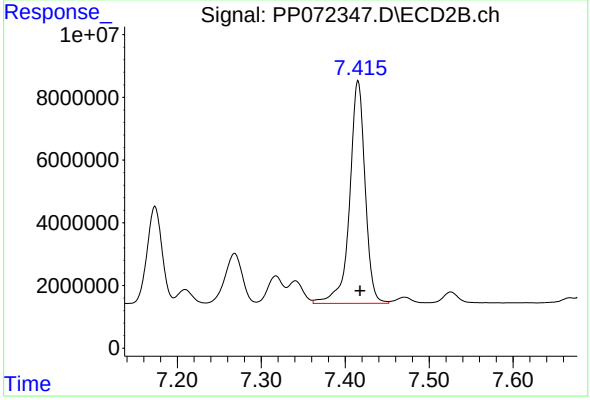

#34 AR-1260-4

R.T.: 7.173 min
Delta R.T.: -0.003 min
Response: 38294558
Conc: 531.20 ng/ml




#35 AR-1260-5

R.T.: 8.400 min
Delta R.T.: -0.003 min
Response: 115890850
Conc: 489.69 ng/ml




#35 AR-1260-5

R.T.: 7.415 min
Delta R.T.: -0.003 min
Response: 90698578
Conc: 522.39 ng/ml

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 02:37 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.71 | 4.70 | 4.60 | 4.80 | 0.00 |
| Aroclor-1221-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1221-3 | (3) | 4.87 | 4.86 | 4.76 | 4.96 | -0.01 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.21 | 10.21 | 10.11 | 10.31 | 0.00 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 02:37 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.01 | 4.01 | 3.91 | 4.11 | 0.00 |
| Aroclor-1221-2 | (2) | 4.09 | 4.09 | 3.99 | 4.19 | 0.00 |
| Aroclor-1221-3 | (3) | 4.17 | 4.17 | 4.07 | 4.27 | 0.00 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.72 | 8.92 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072348.D **Time Analyzed:** 02:37

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.705 | 4.603 | 4.803 | 500.970 | 500.000 | 0.2 |
| Aroclor-1221-2 | 4.791 | 4.688 | 4.888 | 484.700 | 500.000 | -3.1 |
| Aroclor-1221-3 | 4.866 | 4.764 | 4.964 | 489.220 | 500.000 | -2.2 |
| Decachlorobiphenyl | 10.208 | 10.114 | 10.314 | 50.000 | 50.000 | 0.0 |
| Tetrachloro-m-xylene | 4.503 | 4.401 | 4.601 | 50.740 | 50.000 | 1.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072348.D **Time Analyzed:** 02:37

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.006 | 3.905 | 4.105 | 492.170 | 500.000 | -1.6 |
| Aroclor-1221-2 | 4.093 | 3.991 | 4.191 | 485.110 | 500.000 | -3.0 |
| Aroclor-1221-3 | 4.169 | 4.067 | 4.267 | 485.110 | 500.000 | -3.0 |
| Decachlorobiphenyl | 8.818 | 8.724 | 8.924 | 52.540 | 50.000 | 5.1 |
| Tetrachloro-m-xylene | 3.796 | 3.694 | 3.894 | 52.590 | 50.000 | 5.2 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:37
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.796 | 102.0E6 | 84053769 | 50.737 | 52.588 |
| 2) | SA Decachlor... | 10.208 | 8.818 | 81462556 | 55623178 | 50.004 | 52.544 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.705 | 4.006 | 13096419 | 13195314 | 500.969 | 492.174 |
| 9) | L2 AR-1221-2 | 4.791 | 4.093 | 9887637 | 9961661 | 484.705 | 485.108 |
| 10) | L2 AR-1221-3 | 4.866 | 4.169 | 29597635 | 28567295 | 489.222 | 485.115 |

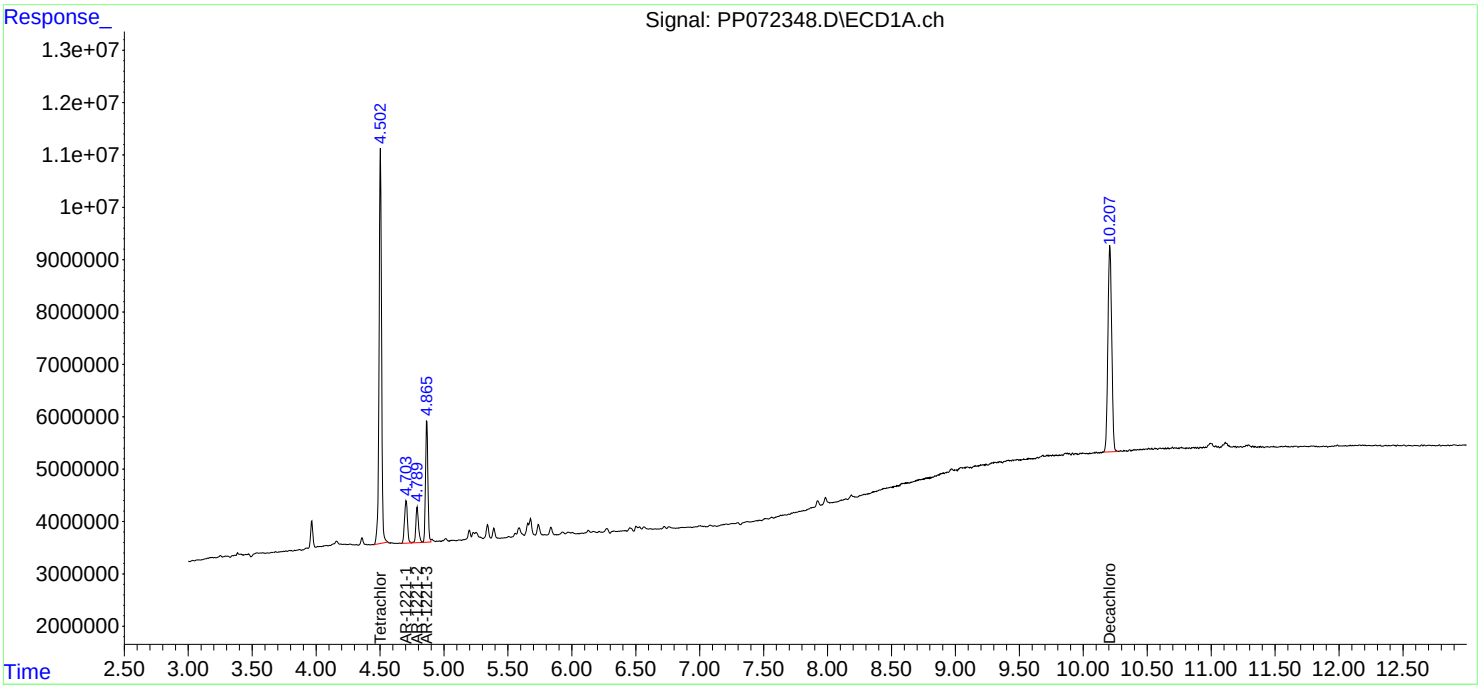
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

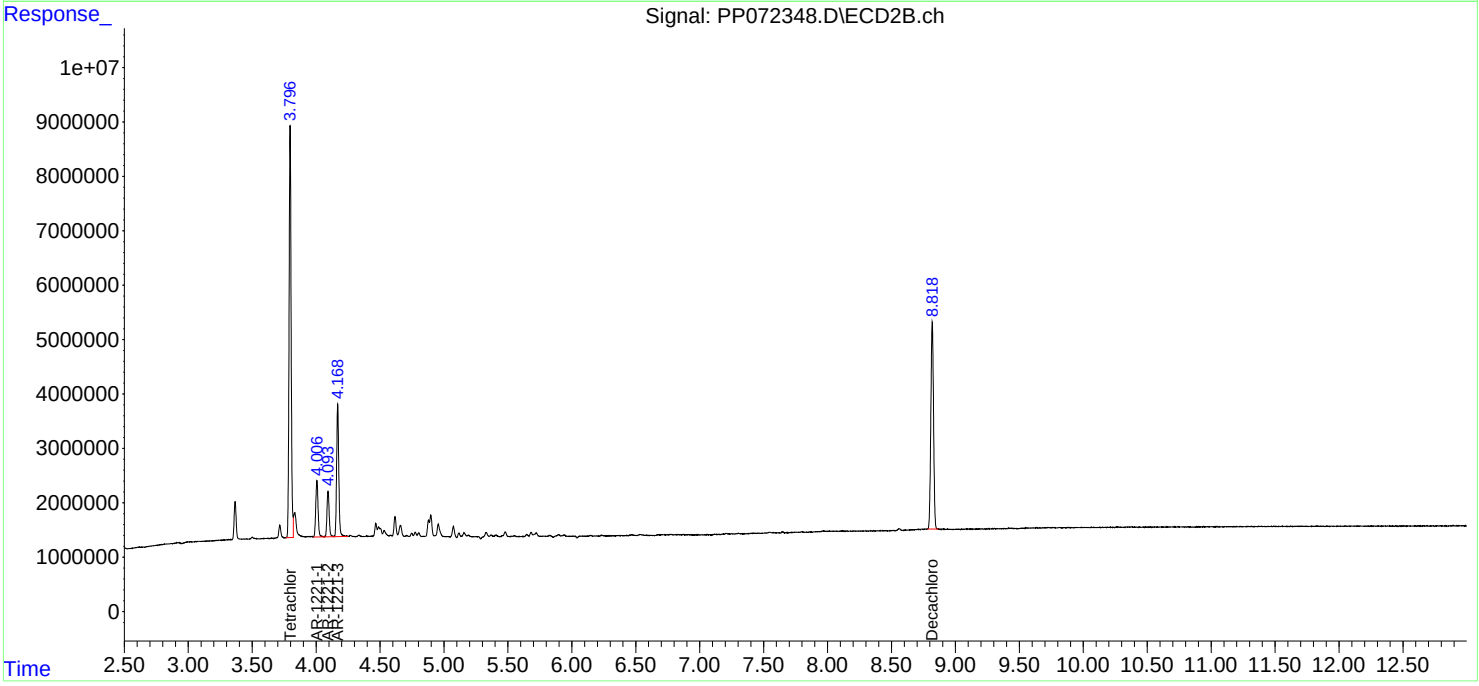
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:37
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

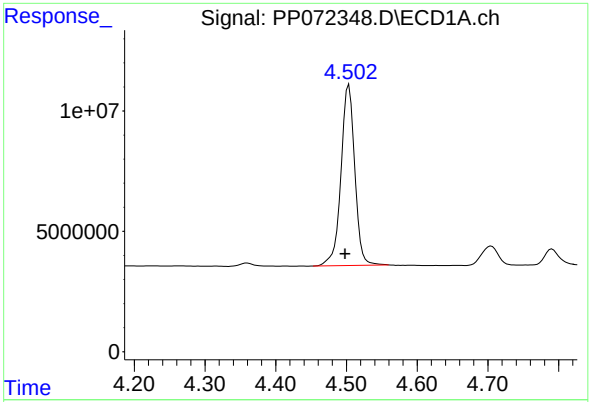
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



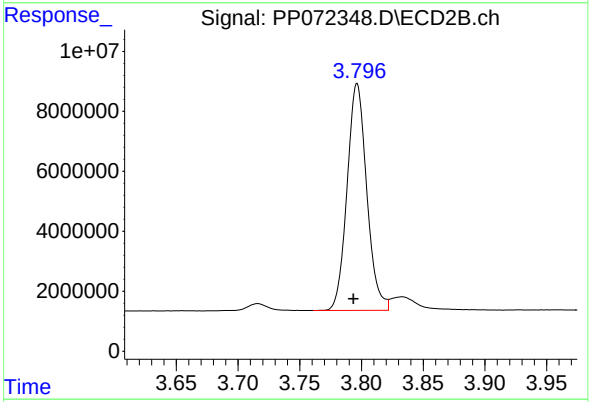






#1 Tetrachloro-m-xylene

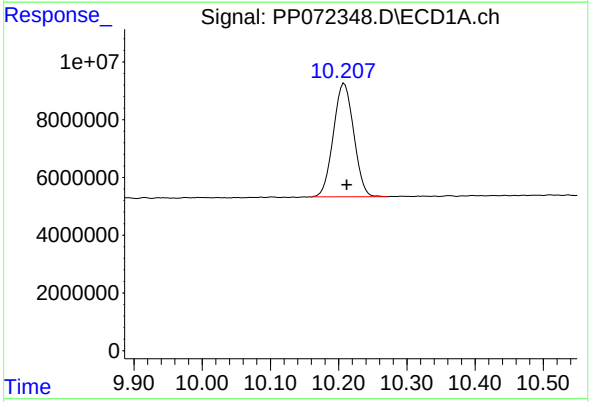
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 102021604
Conc: 50.74 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500



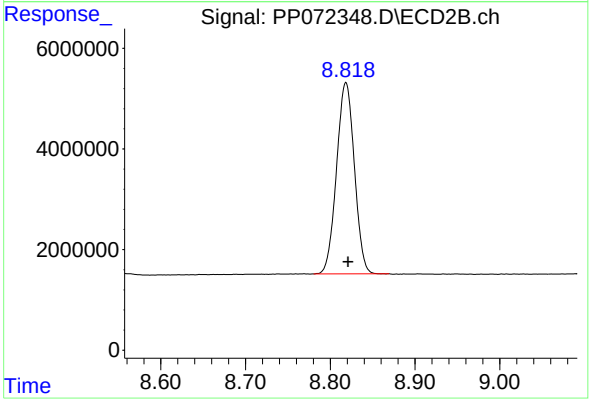

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 84053769
Conc: 52.59 ng/ml



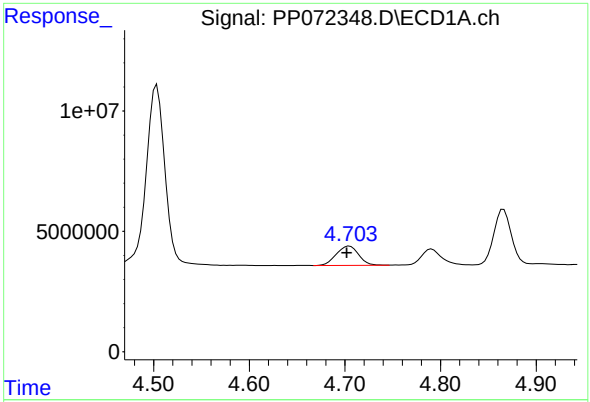

#2 Decachlorobiphenyl

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 81462556
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

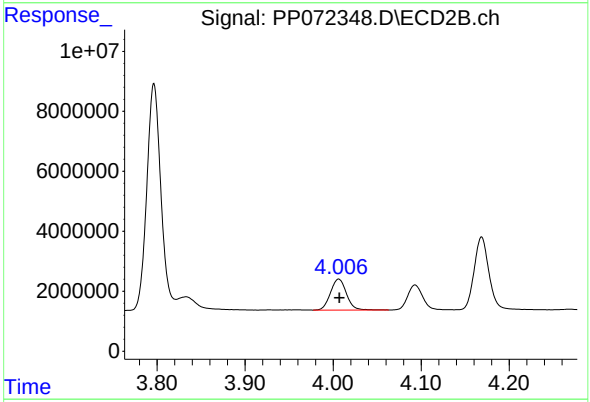
R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 55623178
Conc: 52.54 ng/ml




#8 AR-1221-1

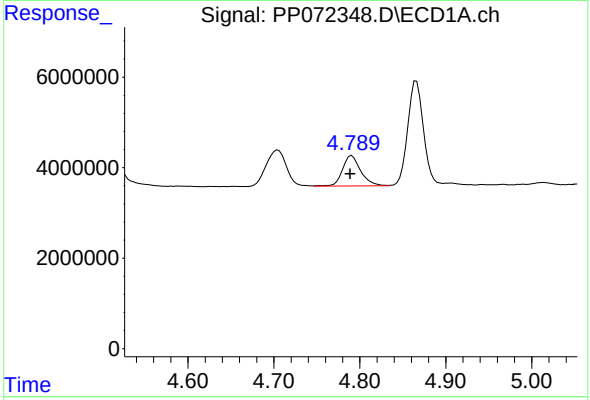
R.T.: 4.705 min
Delta R.T.: 0.003 min
Response: 13096419
Conc: 500.97 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500



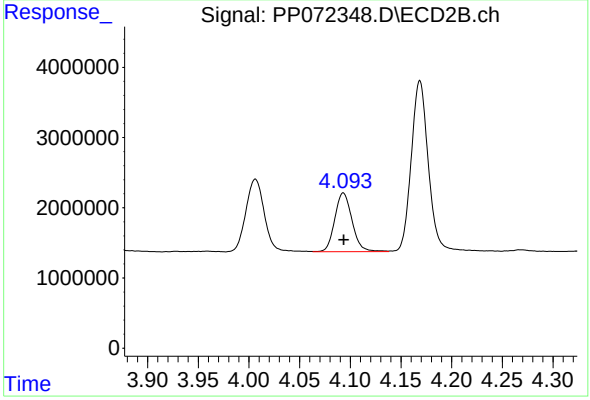

#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 13195314
Conc: 492.17 ng/ml



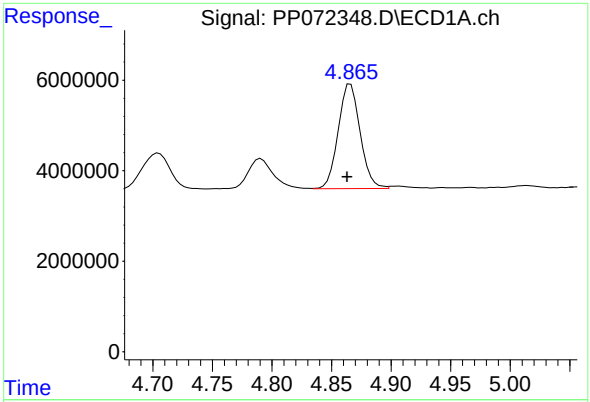

#9 AR-1221-2

R.T.: 4.791 min
Delta R.T.: 0.002 min
Response: 9887637
Conc: 484.70 ng/ml




#9 AR-1221-2

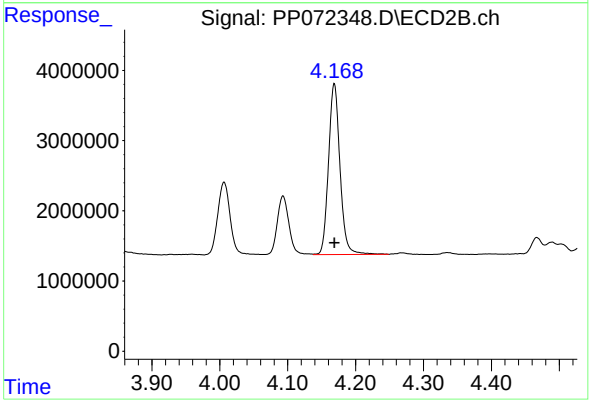
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 9961661
Conc: 485.11 ng/ml




#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 29597635
Conc: 489.22 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500




#10 AR-1221-3

R.T.: 4.169 min
Delta R.T.: 0.000 min
Response: 28567295
Conc: 485.11 ng/ml

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 05:36 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.65 | 5.65 | 5.55 | 5.75 | 0.00 |
| Aroclor-1016-2 | (2) | 5.68 | 5.67 | 5.57 | 5.77 | -0.01 |
| Aroclor-1016-3 | (3) | 5.74 | 5.74 | 5.64 | 5.84 | 0.00 |
| Aroclor-1016-4 | (4) | 5.83 | 5.83 | 5.73 | 5.93 | 0.00 |
| Aroclor-1016-5 | (5) | 6.13 | 6.13 | 6.03 | 6.23 | 0.00 |
| Aroclor-1260-1 | (1) | 7.24 | 7.25 | 7.15 | 7.35 | 0.01 |
| Aroclor-1260-2 | (2) | 7.50 | 7.50 | 7.40 | 7.60 | 0.00 |
| Aroclor-1260-3 | (3) | 7.86 | 7.86 | 7.76 | 7.96 | 0.00 |
| Aroclor-1260-4 | (4) | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Aroclor-1260-5 | (5) | 8.40 | 8.40 | 8.30 | 8.50 | 0.00 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.20 | 10.21 | 10.11 | 10.31 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 05:36 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.88 | 4.88 | 4.78 | 4.98 | 0.00 |
| Aroclor-1016-2 | (2) | 4.90 | 4.90 | 4.80 | 5.00 | 0.00 |
| Aroclor-1016-3 | (3) | 5.07 | 5.07 | 4.97 | 5.17 | 0.00 |
| Aroclor-1016-4 | (4) | 5.12 | 5.12 | 5.02 | 5.22 | 0.01 |
| Aroclor-1016-5 | (5) | 5.33 | 5.33 | 5.23 | 5.43 | 0.00 |
| Aroclor-1260-1 | (1) | 6.36 | 6.36 | 6.26 | 6.46 | 0.00 |
| Aroclor-1260-2 | (2) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-3 | (3) | 6.70 | 6.71 | 6.61 | 6.81 | 0.01 |
| Aroclor-1260-4 | (4) | 7.17 | 7.18 | 7.08 | 7.28 | 0.01 |
| Aroclor-1260-5 | (5) | 7.42 | 7.42 | 7.32 | 7.52 | 0.01 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.72 | 8.92 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072356.D **Time Analyzed:** 05:36

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.653 | 5.552 | 5.752 | 456.330 | 500.000 | -8.7 |
| Aroclor-1016-2 | 5.675 | 5.574 | 5.774 | 491.300 | 500.000 | -1.7 |
| Aroclor-1016-3 | 5.737 | 5.636 | 5.836 | 483.500 | 500.000 | -3.3 |
| Aroclor-1016-4 | 5.834 | 5.734 | 5.934 | 498.060 | 500.000 | -0.4 |
| Aroclor-1016-5 | 6.126 | 6.027 | 6.227 | 496.810 | 500.000 | -0.6 |
| Aroclor-1260-1 | 7.244 | 7.147 | 7.347 | 481.870 | 500.000 | -3.6 |
| Aroclor-1260-2 | 7.498 | 7.401 | 7.601 | 473.250 | 500.000 | -5.4 |
| Aroclor-1260-3 | 7.856 | 7.760 | 7.960 | 496.030 | 500.000 | -0.8 |
| Aroclor-1260-4 | 8.080 | 7.985 | 8.185 | 503.040 | 500.000 | 0.6 |
| Aroclor-1260-5 | 8.399 | 8.303 | 8.503 | 500.230 | 500.000 | 0.0 |
| Decachlorobiphenyl | 10.204 | 10.113 | 10.313 | 50.240 | 50.000 | 0.5 |
| Tetrachloro-m-xylene | 4.500 | 4.396 | 4.596 | 50.270 | 50.000 | 0.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072356.D **Time Analyzed:** 05:36

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.878 | 4.777 | 4.977 | 521.520 | 500.000 | 4.3 |
| Aroclor-1016-2 | 4.896 | 4.795 | 4.995 | 526.470 | 500.000 | 5.3 |
| Aroclor-1016-3 | 5.073 | 4.973 | 5.173 | 537.350 | 500.000 | 7.5 |
| Aroclor-1016-4 | 5.115 | 5.015 | 5.215 | 537.740 | 500.000 | 7.5 |
| Aroclor-1016-5 | 5.329 | 5.229 | 5.429 | 550.370 | 500.000 | 10.1 |
| Aroclor-1260-1 | 6.362 | 6.264 | 6.464 | 535.920 | 500.000 | 7.2 |
| Aroclor-1260-2 | 6.551 | 6.453 | 6.653 | 510.220 | 500.000 | 2.0 |
| Aroclor-1260-3 | 6.703 | 6.606 | 6.806 | 545.080 | 500.000 | 9.0 |
| Aroclor-1260-4 | 7.173 | 7.077 | 7.277 | 550.870 | 500.000 | 10.2 |
| Aroclor-1260-5 | 7.415 | 7.319 | 7.519 | 553.440 | 500.000 | 10.7 |
| Decachlorobiphenyl | 8.817 | 8.723 | 8.923 | 54.380 | 50.000 | 8.8 |
| Tetrachloro-m-xylene | 3.796 | 3.691 | 3.891 | 52.440 | 50.000 | 4.9 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:36
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.796 | 101.1E6 | 83822214 | 50.272 | 52.443 |
| 2) | SA Decachlor... | 10.204 | 8.817 | 81854124 | 57564761 | 50.244 | 54.378 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.653 | 4.878 | 34262730 | 32037001 | 456.327 | 521.524 |
| 4) | L1 AR-1016-2 | 5.675 | 4.896 | 52564704 | 46218625 | 491.297 | 526.472 |
| 5) | L1 AR-1016-3 | 5.737 | 5.073 | 31700937 | 25607012 | 483.504 | 537.347 |
| 6) | L1 AR-1016-4 | 5.834 | 5.115 | 26531899 | 20458398 | 498.065 | 537.737 |
| 7) | L1 AR-1016-5 | 6.126 | 5.329 | 24298656 | 27421871 | 496.812 | 550.370 |
| 31) | L7 AR-1260-1 | 7.244 | 6.362 | 45100684 | 42741604 | 481.872 | 535.920 |
| 32) | L7 AR-1260-2 | 7.498 | 6.551 | 67906256 | 51748047 | 473.248 | 510.224 |
| 33) | L7 AR-1260-3 | 7.856 | 6.703 | 56483442 | 47369041 | 496.031 | 545.084 |
| 34) | L7 AR-1260-4 | 8.080 | 7.173 | 53977225 | 39712698 | 503.037 | 550.869 |
| 35) | L7 AR-1260-5 | 8.399 | 7.415 | 118.4E6 | 96090224 | 500.228 | 553.439 |

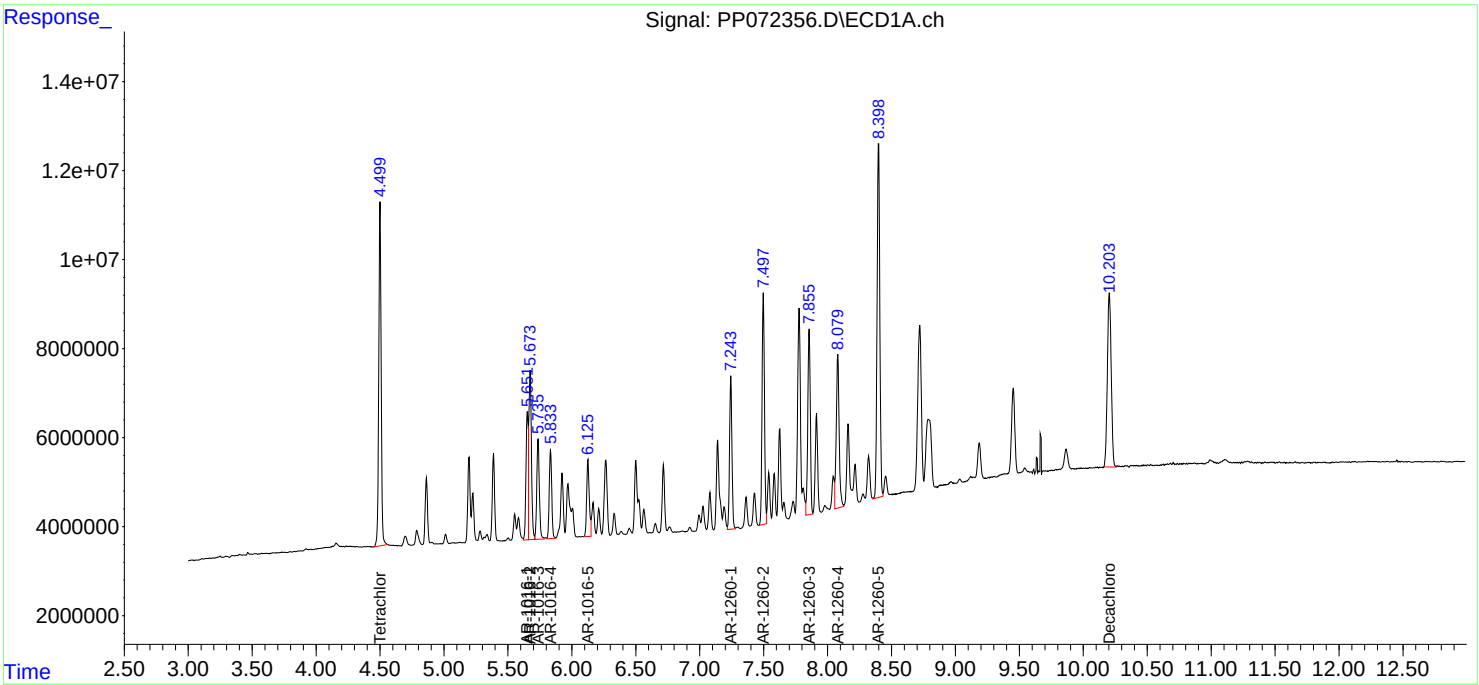
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

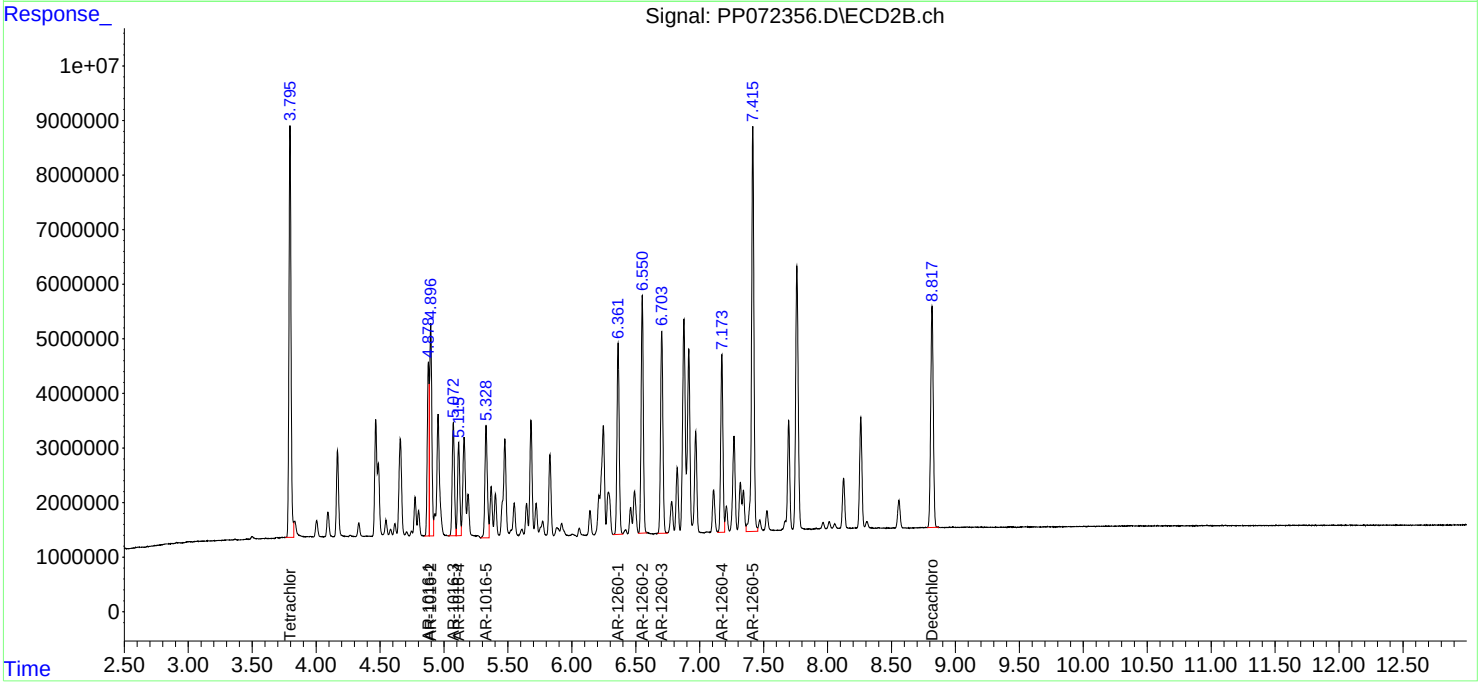
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:36
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

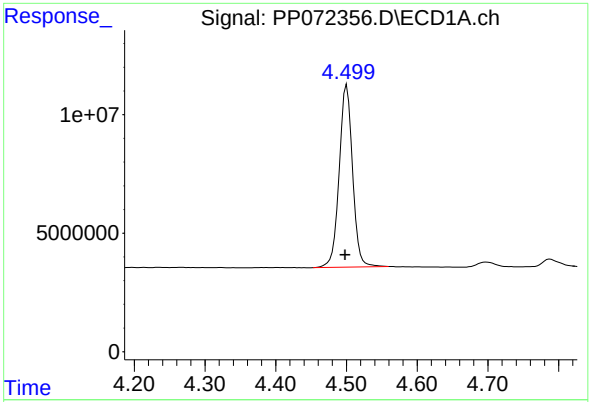
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



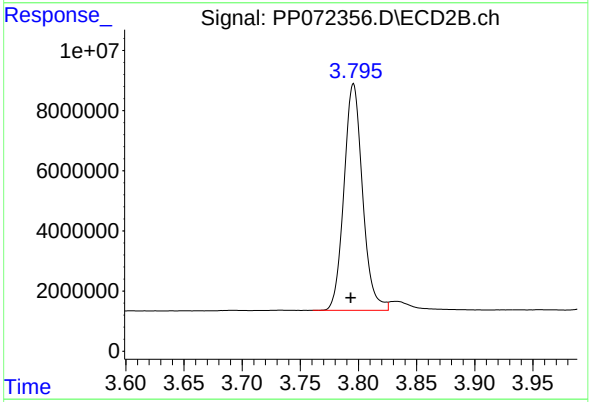






#1 Tetrachloro-m-xylene

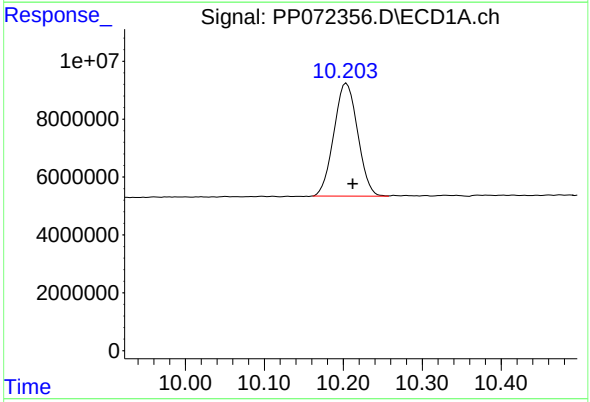
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 101086251
Conc: 50.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



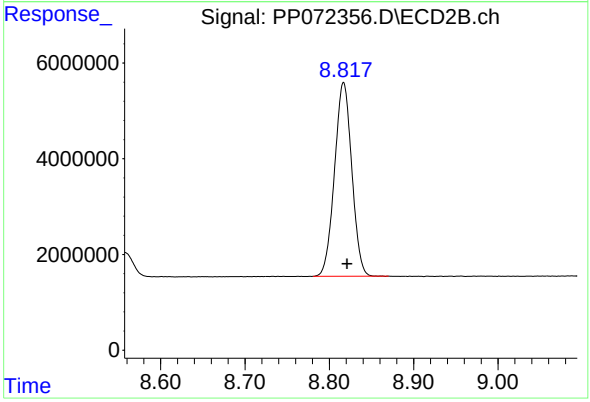

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 83822214
Conc: 52.44 ng/ml



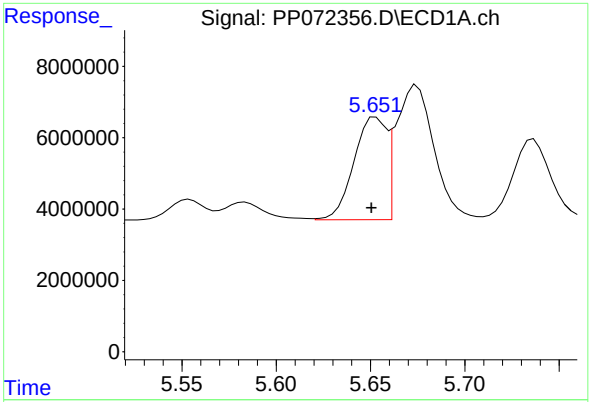

#2 Decachlorobiphenyl

R.T.: 10.204 min
Delta R.T.: -0.008 min
Response: 81854124
Conc: 50.24 ng/ml




#2 Decachlorobiphenyl

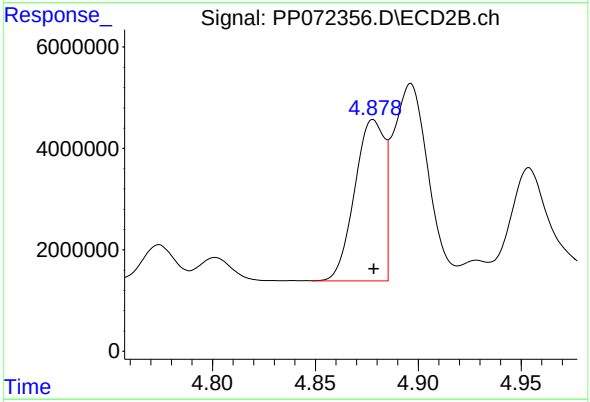
R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 57564761
Conc: 54.38 ng/ml




#3 AR-1016-1

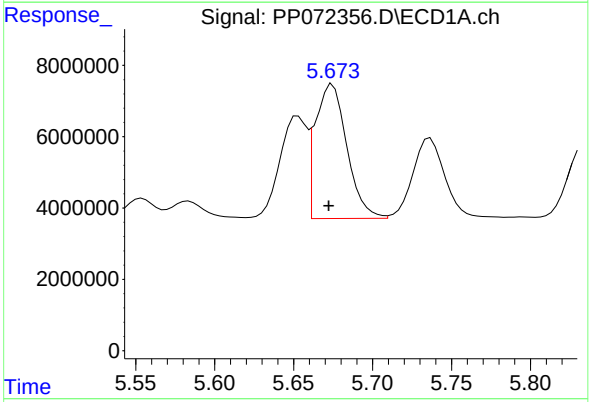
R.T.: 5.653 min
Delta R.T.: 0.003 min
Response: 34262730
Conc: 456.33 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



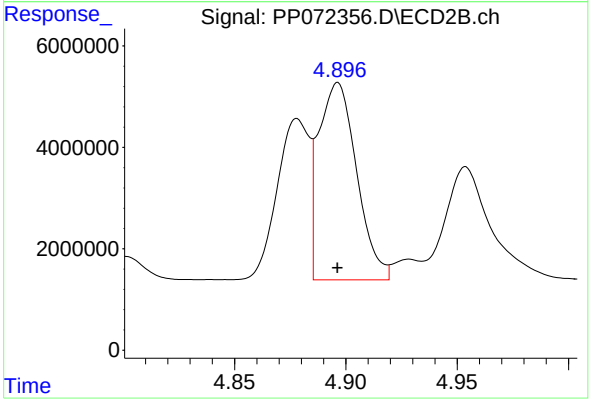

#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 32037001
Conc: 521.52 ng/ml



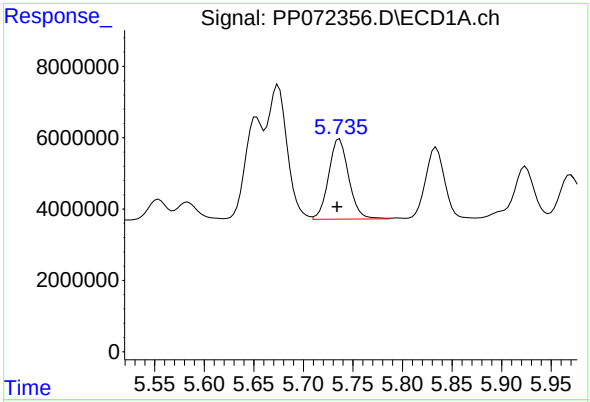

#4 AR-1016-2

R.T.: 5.675 min
Delta R.T.: 0.002 min
Response: 52564704
Conc: 491.30 ng/ml




#4 AR-1016-2

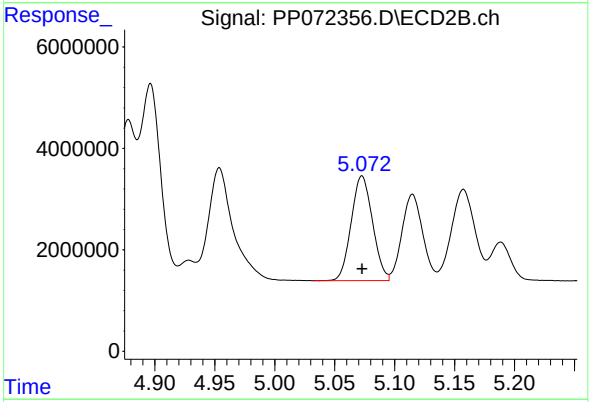
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 46218625
Conc: 526.47 ng/ml




#5 AR-1016-3

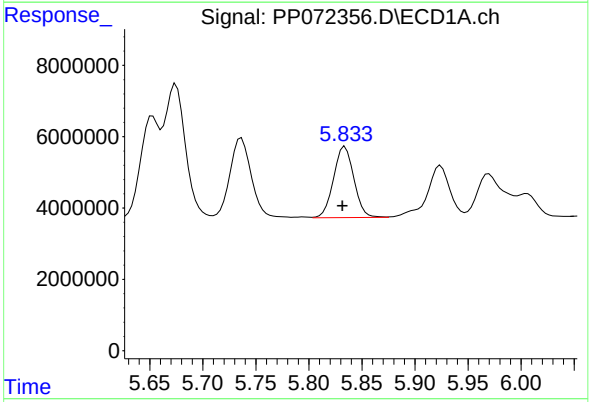
R.T.: 5.737 min
Delta R.T.: 0.003 min
Response: 31700937
Conc: 483.50 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



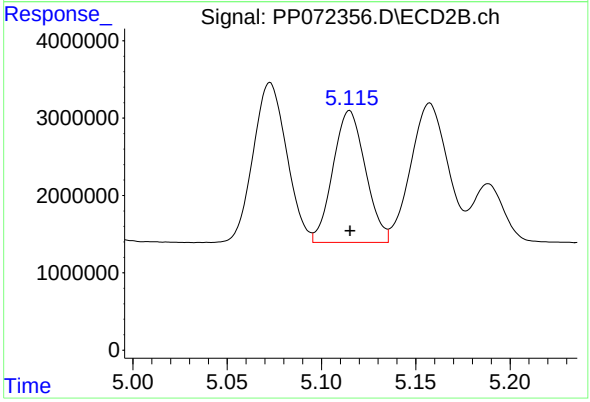

#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 25607012
Conc: 537.35 ng/ml



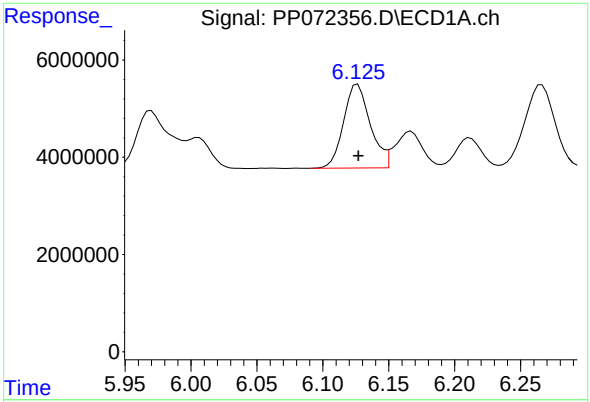

#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 26531899
Conc: 498.06 ng/ml




#6 AR-1016-4

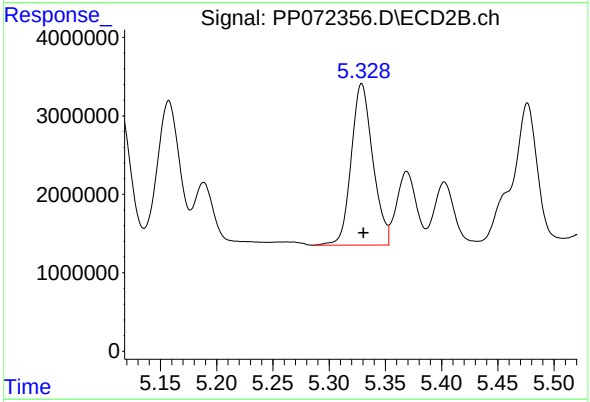
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 20458398
Conc: 537.74 ng/ml




#7 AR-1016-5

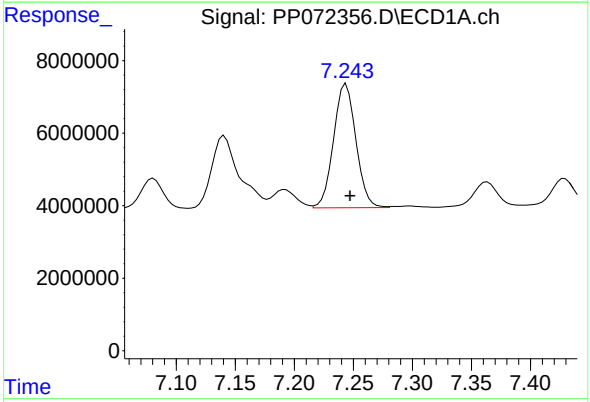
R.T.: 6.126 min
Delta R.T.: 0.000 min
Response: 24298656
Conc: 496.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



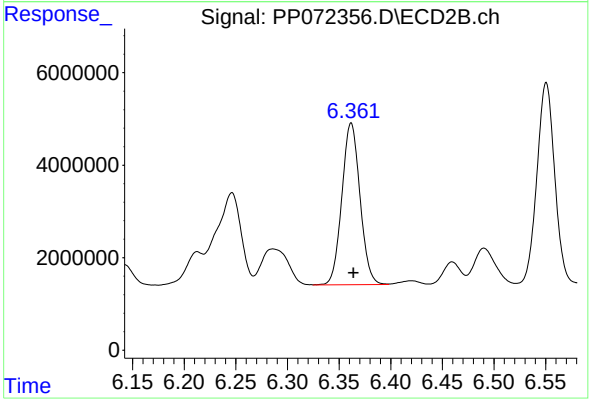

#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: -0.001 min
Response: 27421871
Conc: 550.37 ng/ml



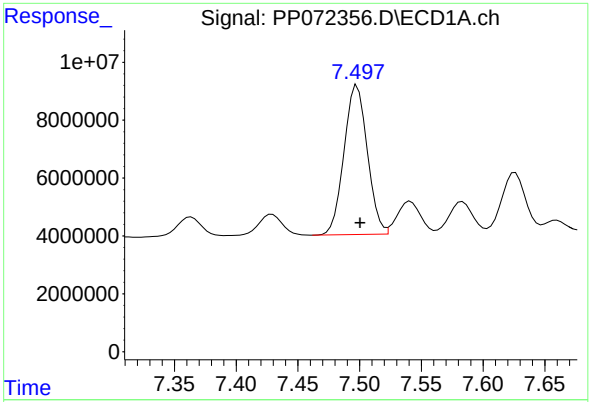

#31 AR-1260-1

R.T.: 7.244 min
Delta R.T.: -0.003 min
Response: 45100684
Conc: 481.87 ng/ml




#31 AR-1260-1

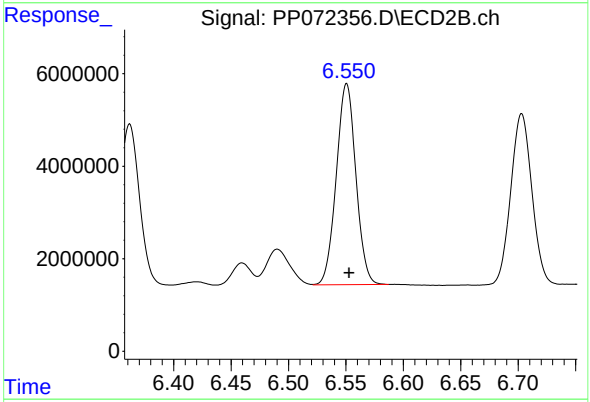
R.T.: 6.362 min
Delta R.T.: -0.002 min
Response: 42741604
Conc: 535.92 ng/ml




#32 AR-1260-2

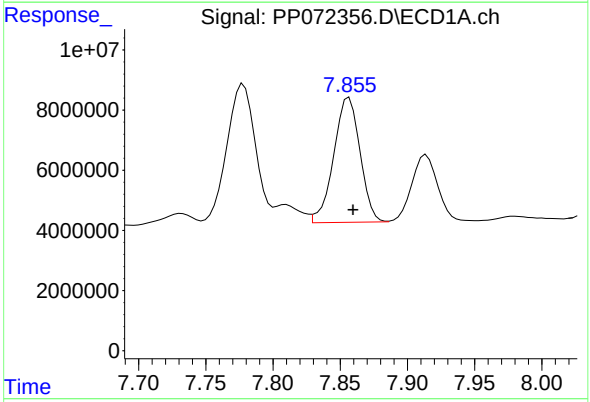
R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 67906256
Conc: 473.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



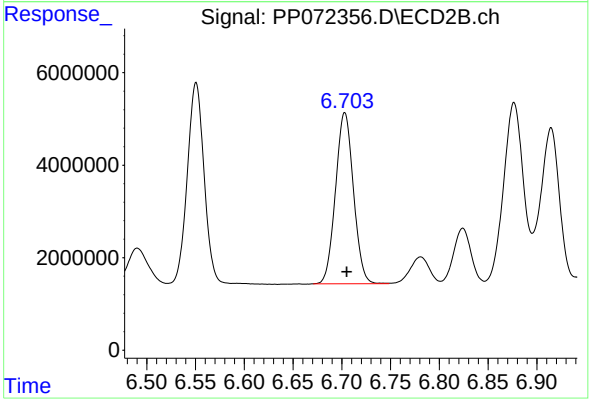

#32 AR-1260-2

R.T.: 6.551 min
Delta R.T.: -0.002 min
Response: 51748047
Conc: 510.22 ng/ml



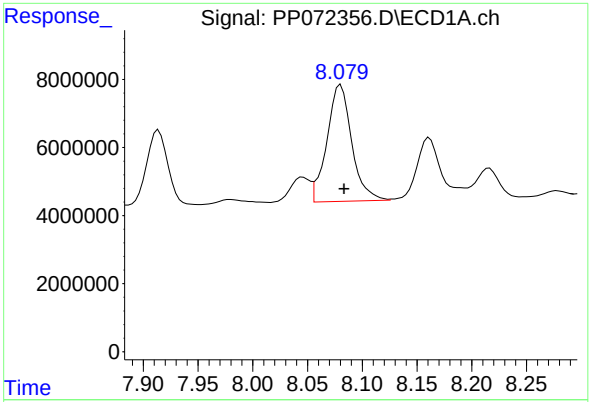

#33 AR-1260-3

R.T.: 7.856 min
Delta R.T.: -0.003 min
Response: 56483442
Conc: 496.03 ng/ml




#33 AR-1260-3

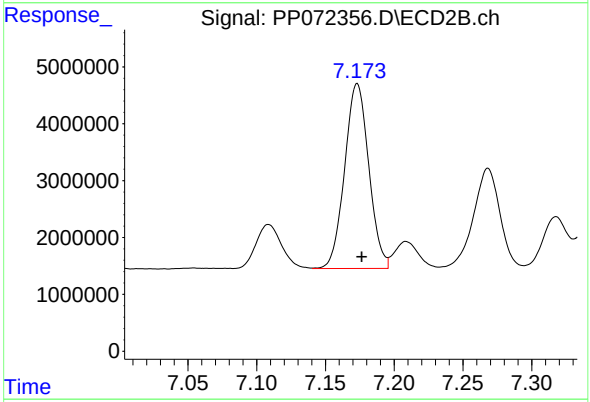
R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 47369041
Conc: 545.08 ng/ml




#34 AR-1260-4

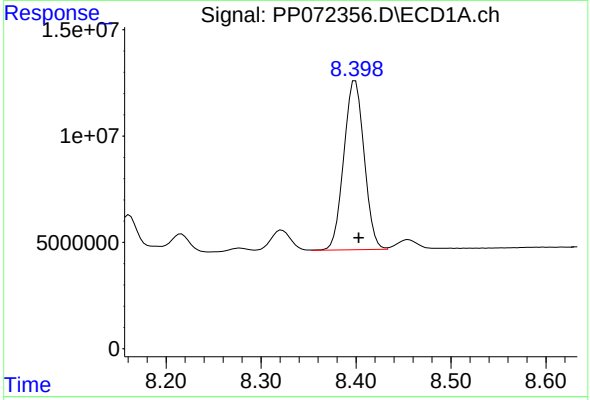
R.T.: 8.080 min
Delta R.T.: -0.003 min
Response: 53977225
Conc: 503.04 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



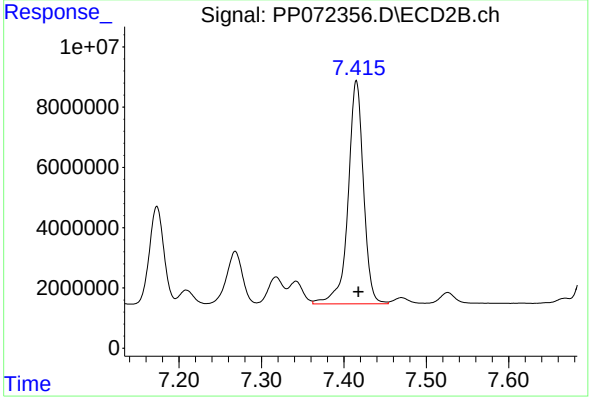

#34 AR-1260-4

R.T.: 7.173 min
Delta R.T.: -0.003 min
Response: 39712698
Conc: 550.87 ng/ml




#35 AR-1260-5

R.T.: 8.399 min
Delta R.T.: -0.004 min
Response: 118385055
Conc: 500.23 ng/ml




#35 AR-1260-5

R.T.: 7.415 min
Delta R.T.: -0.003 min
Response: 96090224
Conc: 553.44 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 06:09 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.71 | 4.70 | 4.60 | 4.80 | 0.00 |
| Aroclor-1221-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1221-3 | (3) | 4.87 | 4.86 | 4.76 | 4.96 | -0.01 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.21 | 10.21 | 10.11 | 10.31 | 0.00 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 06:09 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.01 | 4.01 | 3.91 | 4.11 | 0.00 |
| Aroclor-1221-2 | (2) | 4.09 | 4.09 | 3.99 | 4.19 | 0.00 |
| Aroclor-1221-3 | (3) | 4.17 | 4.17 | 4.07 | 4.27 | 0.00 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.72 | 8.92 | 0.00 |

Alliance TECHNICAL GROUP

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072357.D **Time Analyzed:** 06:09

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.705 | 4.603 | 4.803 | 496.260 | 500.000 | -0.7 |
| Aroclor-1221-2 | 4.790 | 4.688 | 4.888 | 472.720 | 500.000 | -5.5 |
| Aroclor-1221-3 | 4.866 | 4.764 | 4.964 | 493.930 | 500.000 | -1.2 |
| Decachlorobiphenyl | 10.207 | 10.114 | 10.314 | 49.940 | 50.000 | -0.1 |
| Tetrachloro-m-xylene | 4.503 | 4.401 | 4.601 | 50.870 | 50.000 | 1.7 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 05/24/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072357.D **Time Analyzed:** 06:09

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.006 | 3.905 | 4.105 | 480.240 | 500.000 | -4.0 |
| Aroclor-1221-2 | 4.093 | 3.991 | 4.191 | 475.070 | 500.000 | -5.0 |
| Aroclor-1221-3 | 4.168 | 4.067 | 4.267 | 478.510 | 500.000 | -4.3 |
| Decachlorobiphenyl | 8.817 | 8.724 | 8.924 | 53.360 | 50.000 | 6.7 |
| Tetrachloro-m-xylene | 3.796 | 3.694 | 3.894 | 52.520 | 50.000 | 5.0 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:09
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.503 | 3.796 | 102.3E6 | 83938943 | 50.873 | 52.516 |
| 2) | SA Decachlor... | 10.207 | 8.817 | 81353314 | 56482290 | 49.937 | 53.356 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.705 | 4.006 | 12973376 | 12875422 | 496.263 | 480.242 |
| 9) | L2 AR-1221-2 | 4.790 | 4.093 | 9643197 | 9755493 | 472.722 | 475.068 |
| 10) | L2 AR-1221-3 | 4.866 | 4.168 | 29882694 | 28178232 | 493.933 | 478.508 |

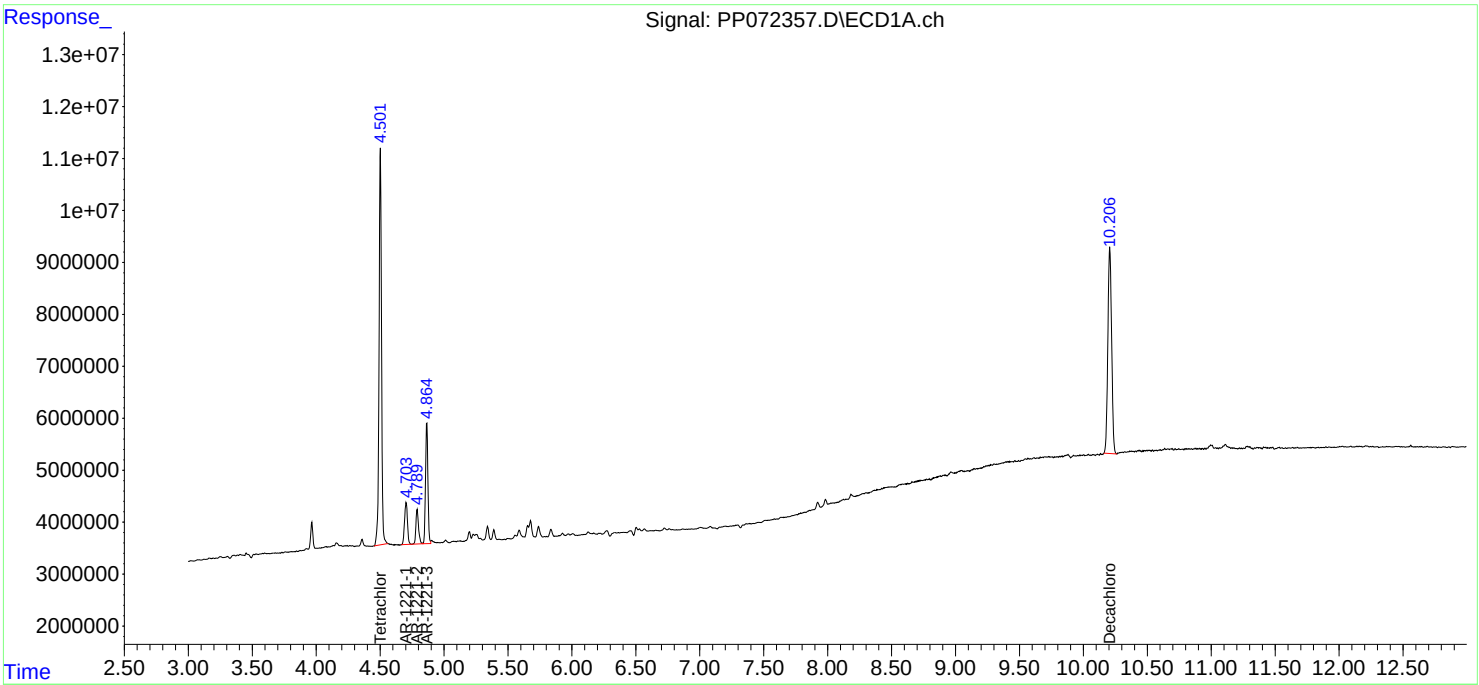
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

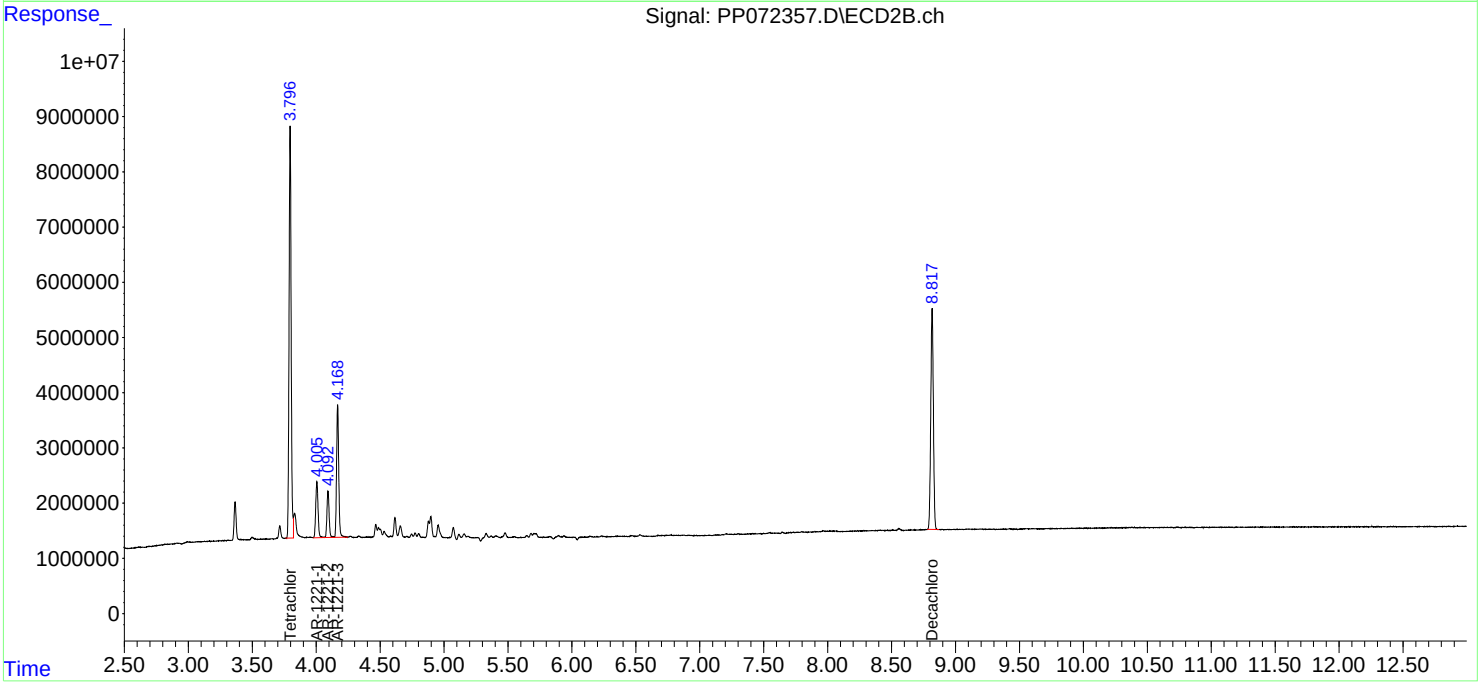
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:09
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

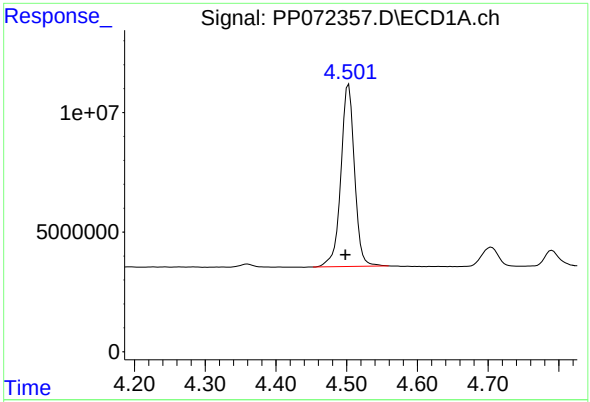
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



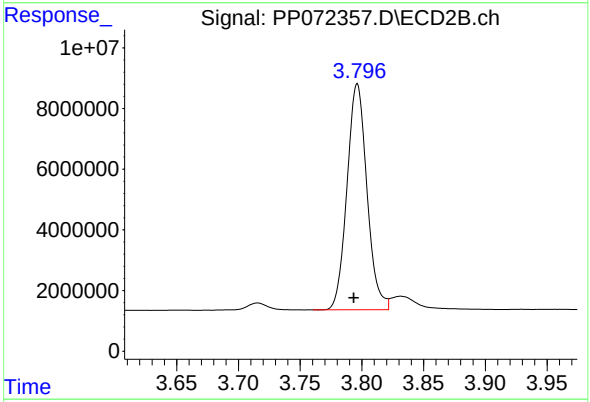






#1 Tetrachloro-m-xylene

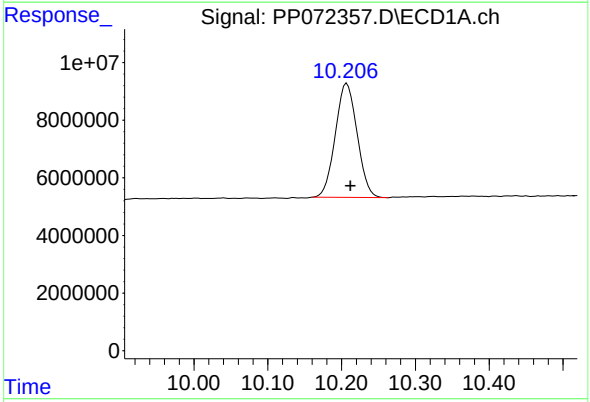
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 102295261
Conc: 50.87 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500



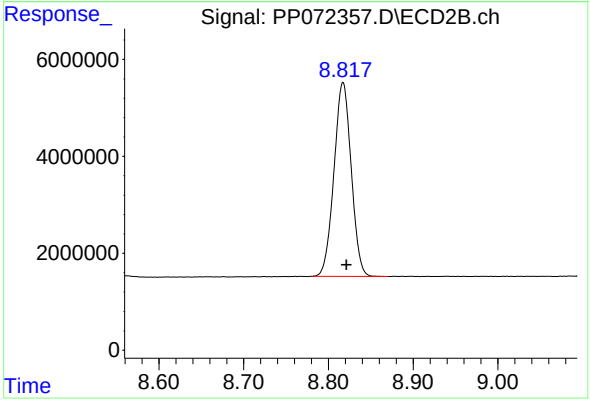

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 83938943
Conc: 52.52 ng/ml



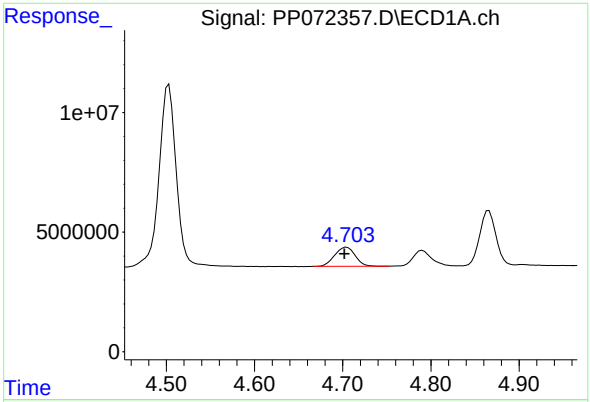

#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 81353314
Conc: 49.94 ng/ml




#2 Decachlorobiphenyl

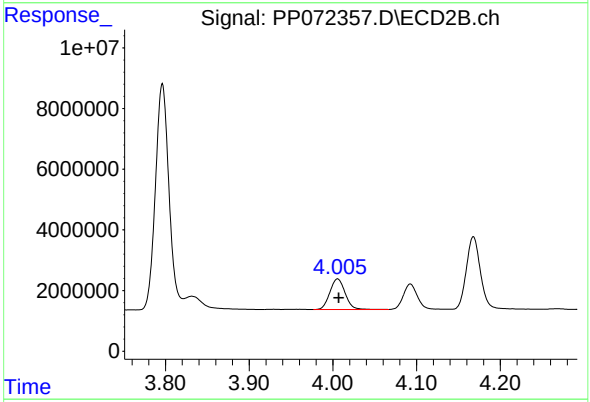
R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 56482290
Conc: 53.36 ng/ml




#8 AR-1221-1

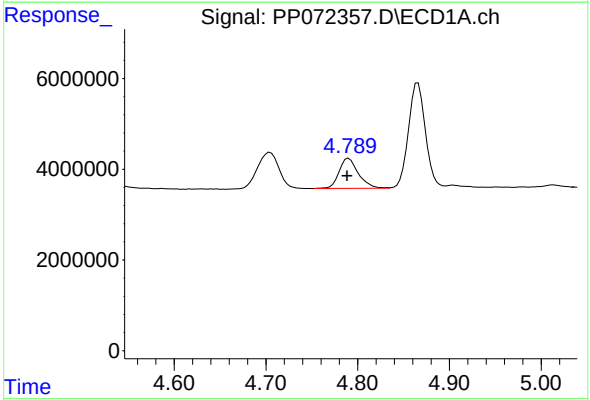
R.T.: 4.705 min
Delta R.T.: 0.003 min
Response: 12973376
Conc: 496.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500



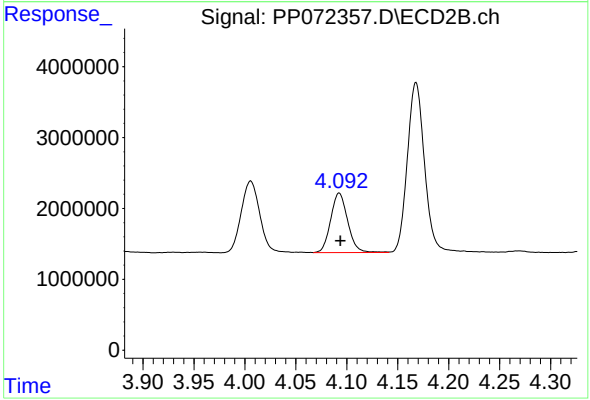

#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: -0.002 min
Response: 12875422
Conc: 480.24 ng/ml



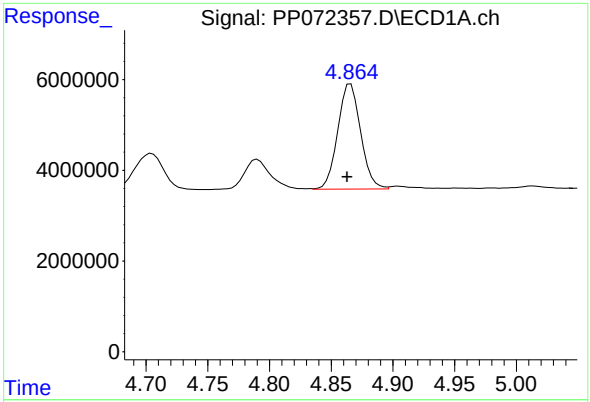

#9 AR-1221-2

R.T.: 4.790 min
Delta R.T.: 0.002 min
Response: 9643197
Conc: 472.72 ng/ml




#9 AR-1221-2

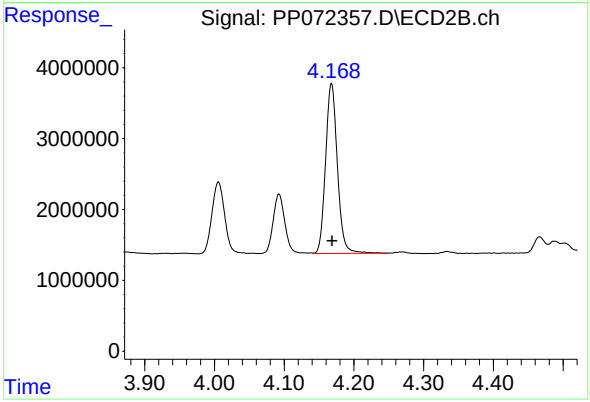
R.T.: 4.093 min
Delta R.T.: -0.001 min
Response: 9755493
Conc: 475.07 ng/ml




#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 29882694
Conc: 493.93 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500




#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 28178232
Conc: 478.51 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 14:25 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.65 | 5.65 | 5.55 | 5.75 | 0.00 |
| Aroclor-1016-2 | (2) | 5.67 | 5.67 | 5.57 | 5.77 | 0.00 |
| Aroclor-1016-3 | (3) | 5.73 | 5.74 | 5.64 | 5.84 | 0.01 |
| Aroclor-1016-4 | (4) | 5.83 | 5.83 | 5.73 | 5.93 | 0.00 |
| Aroclor-1016-5 | (5) | 6.12 | 6.13 | 6.03 | 6.23 | 0.01 |
| Aroclor-1260-1 | (1) | 7.24 | 7.25 | 7.15 | 7.35 | 0.01 |
| Aroclor-1260-2 | (2) | 7.49 | 7.50 | 7.40 | 7.60 | 0.01 |
| Aroclor-1260-3 | (3) | 7.85 | 7.86 | 7.76 | 7.96 | 0.01 |
| Aroclor-1260-4 | (4) | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Aroclor-1260-5 | (5) | 8.40 | 8.40 | 8.30 | 8.50 | 0.00 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.20 | 10.21 | 10.11 | 10.31 | 0.01 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 14:25 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.88 | 4.88 | 4.78 | 4.98 | 0.00 |
| Aroclor-1016-2 | (2) | 4.89 | 4.90 | 4.80 | 5.00 | 0.01 |
| Aroclor-1016-3 | (3) | 5.07 | 5.07 | 4.97 | 5.17 | 0.00 |
| Aroclor-1016-4 | (4) | 5.11 | 5.12 | 5.02 | 5.22 | 0.01 |
| Aroclor-1016-5 | (5) | 5.33 | 5.33 | 5.23 | 5.43 | 0.00 |
| Aroclor-1260-1 | (1) | 6.36 | 6.36 | 6.26 | 6.46 | 0.00 |
| Aroclor-1260-2 | (2) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-3 | (3) | 6.70 | 6.71 | 6.61 | 6.81 | 0.01 |
| Aroclor-1260-4 | (4) | 7.17 | 7.18 | 7.08 | 7.28 | 0.01 |
| Aroclor-1260-5 | (5) | 7.41 | 7.42 | 7.32 | 7.52 | 0.01 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.81 | 8.82 | 8.72 | 8.92 | 0.01 |

Alliance TECHNICAL GROUP

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL07 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072404.D **Time Analyzed:** 14:25

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.650 | 5.552 | 5.752 | 436.870 | 500.000 | -12.6 |
| Aroclor-1016-2 | 5.671 | 5.574 | 5.774 | 466.270 | 500.000 | -6.7 |
| Aroclor-1016-3 | 5.734 | 5.636 | 5.836 | 463.610 | 500.000 | -7.3 |
| Aroclor-1016-4 | 5.831 | 5.734 | 5.934 | 481.590 | 500.000 | -3.7 |
| Aroclor-1016-5 | 6.123 | 6.027 | 6.227 | 483.950 | 500.000 | -3.2 |
| Aroclor-1260-1 | 7.242 | 7.147 | 7.347 | 495.010 | 500.000 | -1.0 |
| Aroclor-1260-2 | 7.494 | 7.401 | 7.601 | 478.610 | 500.000 | -4.3 |
| Aroclor-1260-3 | 7.853 | 7.760 | 7.960 | 495.470 | 500.000 | -0.9 |
| Aroclor-1260-4 | 8.076 | 7.985 | 8.185 | 498.290 | 500.000 | -0.3 |
| Aroclor-1260-5 | 8.395 | 8.303 | 8.503 | 515.500 | 500.000 | 3.1 |
| Decachlorobiphenyl | 10.199 | 10.113 | 10.313 | 49.960 | 50.000 | -0.1 |
| Tetrachloro-m-xylene | 4.498 | 4.396 | 4.596 | 48.860 | 50.000 | -2.3 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL07 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072404.D **Time Analyzed:** 14:25

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.876 | 4.777 | 4.977 | 511.910 | 500.000 | 2.4 |
| Aroclor-1016-2 | 4.894 | 4.795 | 4.995 | 517.490 | 500.000 | 3.5 |
| Aroclor-1016-3 | 5.072 | 4.973 | 5.173 | 523.990 | 500.000 | 4.8 |
| Aroclor-1016-4 | 5.113 | 5.015 | 5.215 | 521.460 | 500.000 | 4.3 |
| Aroclor-1016-5 | 5.327 | 5.229 | 5.429 | 559.530 | 500.000 | 11.9 |
| Aroclor-1260-1 | 6.359 | 6.264 | 6.464 | 537.480 | 500.000 | 7.5 |
| Aroclor-1260-2 | 6.548 | 6.453 | 6.653 | 507.400 | 500.000 | 1.5 |
| Aroclor-1260-3 | 6.700 | 6.606 | 6.806 | 539.000 | 500.000 | 7.8 |
| Aroclor-1260-4 | 7.170 | 7.077 | 7.277 | 542.090 | 500.000 | 8.4 |
| Aroclor-1260-5 | 7.412 | 7.319 | 7.519 | 539.540 | 500.000 | 7.9 |
| Decachlorobiphenyl | 8.812 | 8.723 | 8.923 | 56.600 | 50.000 | 13.2 |
| Tetrachloro-m-xylene | 3.795 | 3.691 | 3.891 | 50.310 | 50.000 | 0.6 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:25
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:07:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.498 | 3.795 | 98244312 | 80407580 | 48.858 | 50.306 |
| 2) | SA Decachlor... | 10.199 | 8.812 | 81397238 | 59920560 | 49.964 | 56.604 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.650 | 4.876 | 32801446 | 31446364 | 436.865 | 511.910 |
| 4) | L1 AR-1016-2 | 5.671 | 4.894 | 49886595 | 45429694 | 466.266 | 517.485 |
| 5) | L1 AR-1016-3 | 5.734 | 5.072 | 30396420 | 24970349 | 463.608 | 523.987 |
| 6) | L1 AR-1016-4 | 5.831 | 5.113 | 25654204 | 19839158 | 481.588 | 521.461 |
| 7) | L1 AR-1016-5 | 6.123 | 5.327 | 23669824 | 27878225 | 483.955 | 559.529 |
| 31) | L7 AR-1260-1 | 7.242 | 6.359 | 46329910 | 42865704 | 495.005 | 537.476 |
| 32) | L7 AR-1260-2 | 7.494 | 6.548 | 68675369 | 51461903 | 478.608 | 507.403 |
| 33) | L7 AR-1260-3 | 7.853 | 6.700 | 56419943 | 46840733 | 495.473 | 539.004 |
| 34) | L7 AR-1260-4 | 8.076 | 7.170 | 53467742 | 39080030 | 498.289 | 542.093 |
| 35) | L7 AR-1260-5 | 8.395 | 7.412 | 122.0E6 | 93677171 | 515.504 | 539.540 |

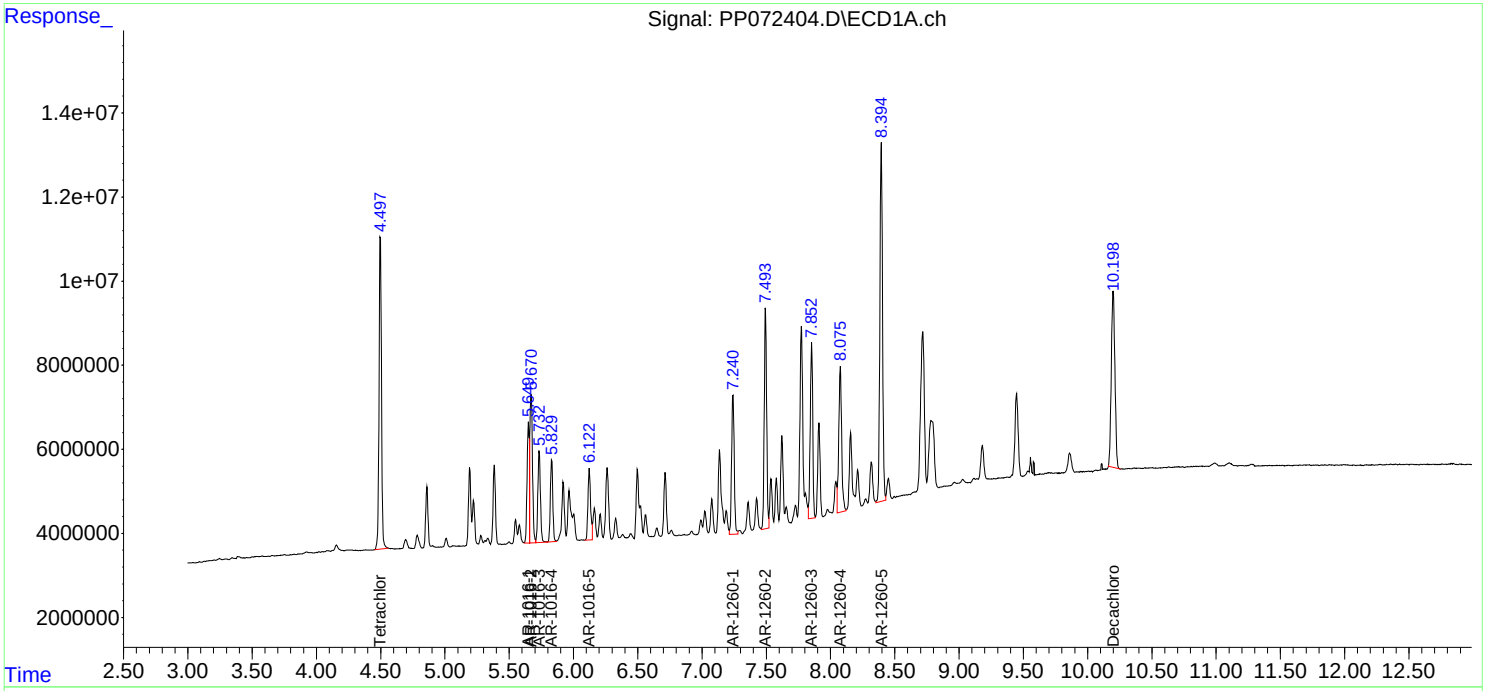
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

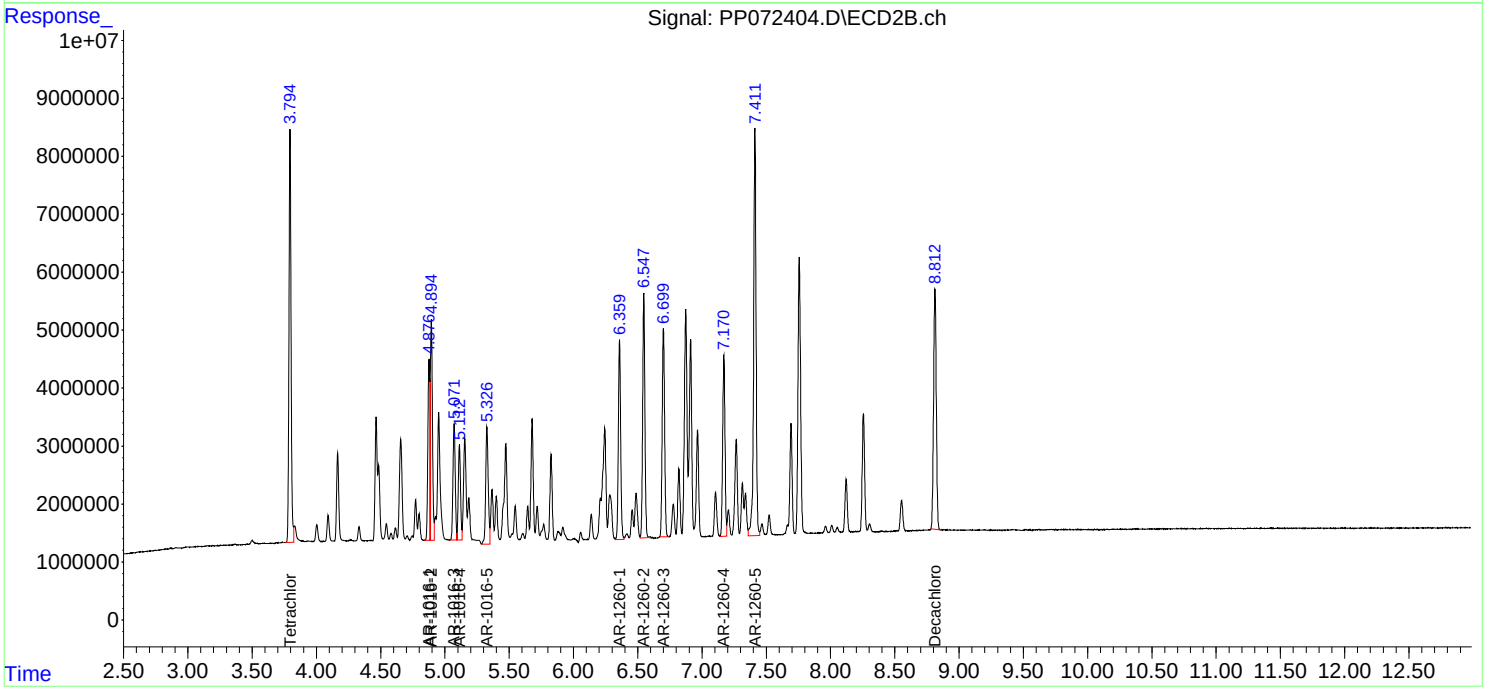
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:25
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

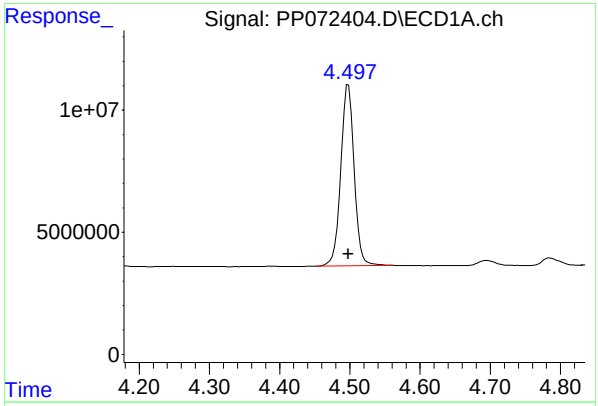
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:07:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



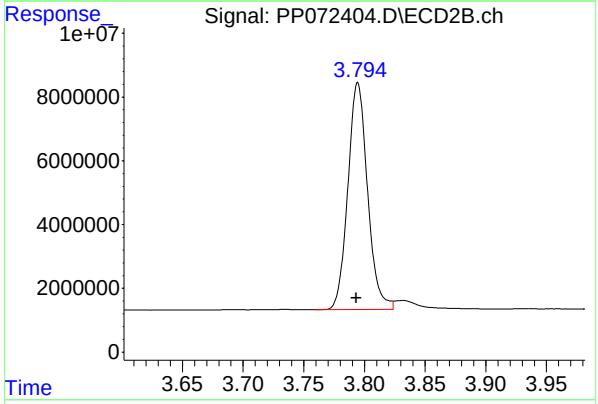






#1 Tetrachloro-m-xylene

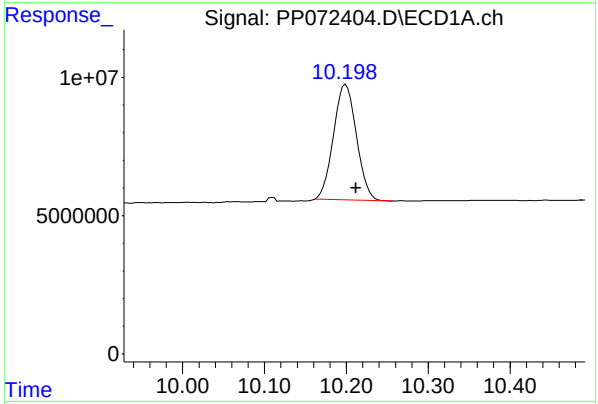
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 98244312
Conc: 48.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



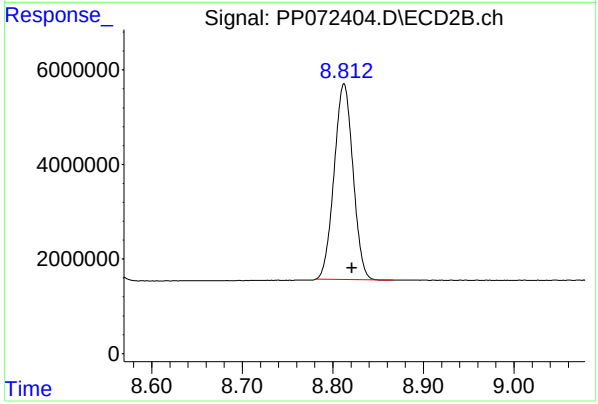

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.001 min
Response: 80407580
Conc: 50.31 ng/ml



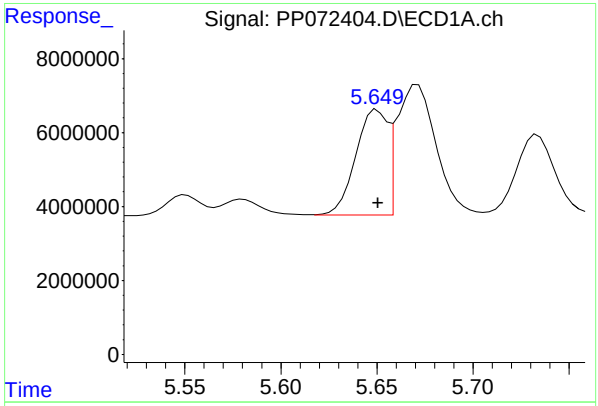

#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 81397238
Conc: 49.96 ng/ml




#2 Decachlorobiphenyl

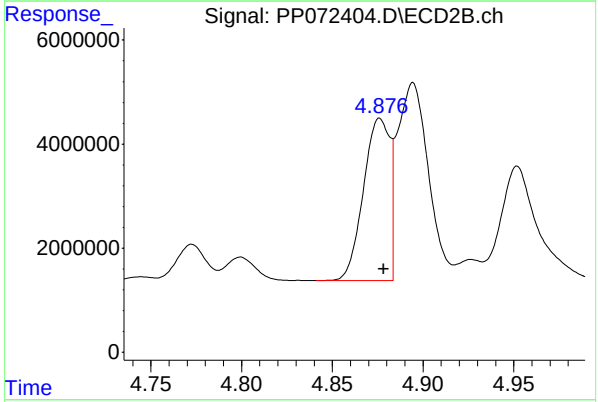
R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 59920560
Conc: 56.60 ng/ml




#3 AR-1016-1

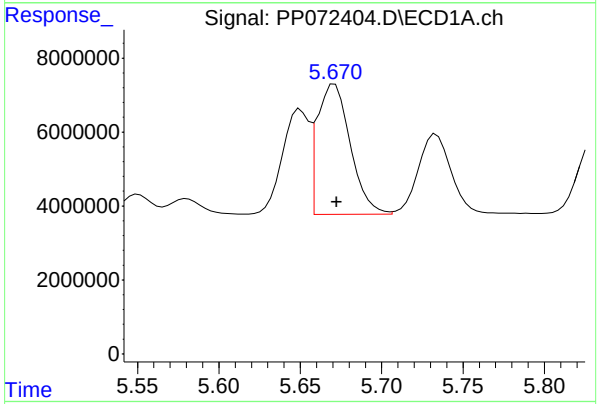
R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 32801446
Conc: 436.87 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



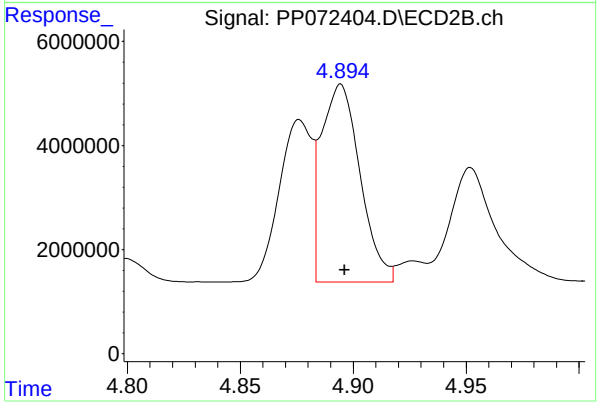

#3 AR-1016-1

R.T.: 4.876 min
Delta R.T.: -0.002 min
Response: 31446364
Conc: 511.91 ng/ml



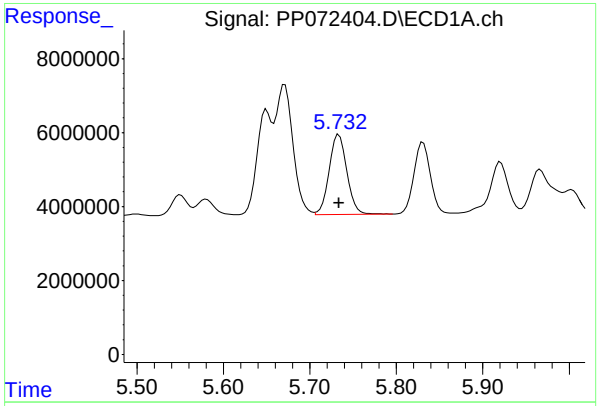

#4 AR-1016-2

R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 49886595
Conc: 466.27 ng/ml




#4 AR-1016-2

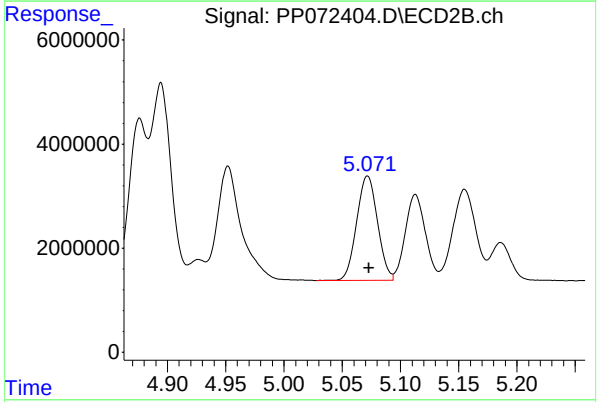
R.T.: 4.894 min
Delta R.T.: -0.002 min
Response: 45429694
Conc: 517.49 ng/ml




#5 AR-1016-3

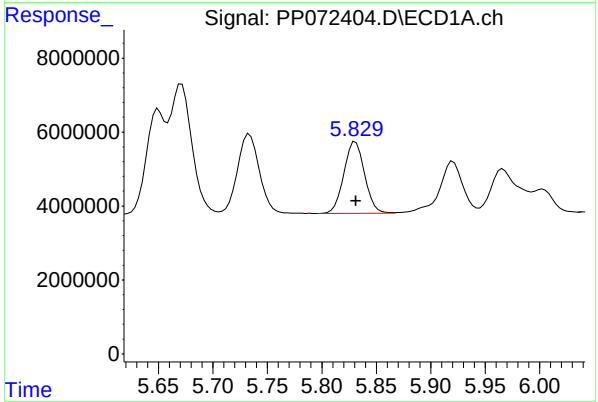
R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 30396420
Conc: 463.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



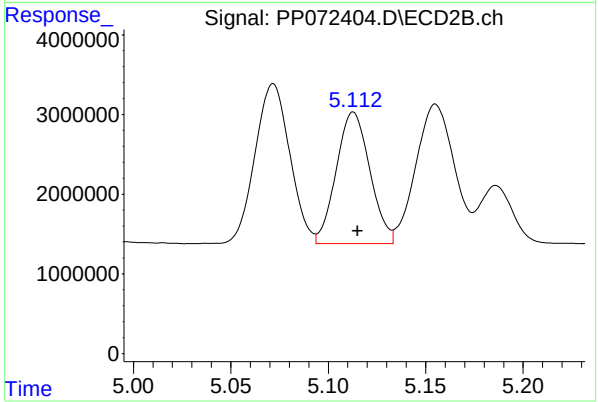

#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: -0.001 min
Response: 24970349
Conc: 523.99 ng/ml



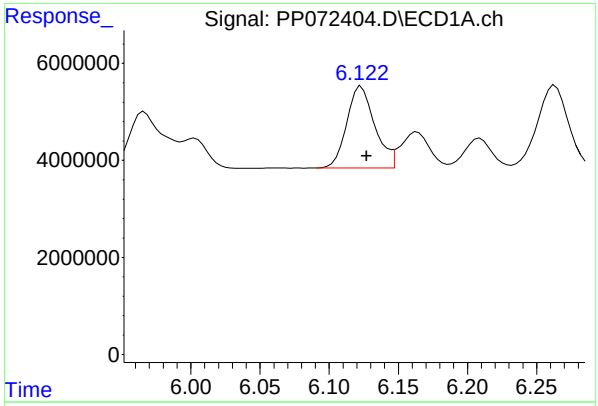

#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 25654204
Conc: 481.59 ng/ml




#6 AR-1016-4

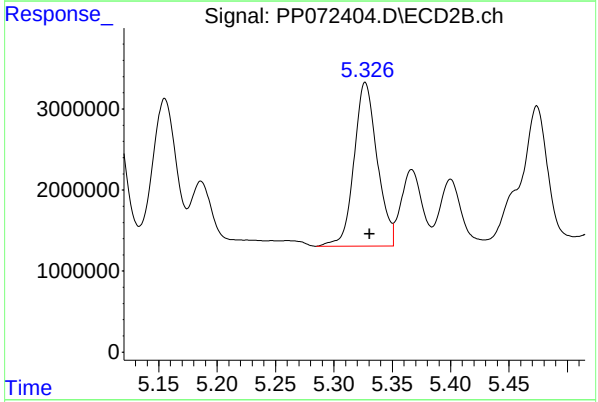
R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 19839158
Conc: 521.46 ng/ml




#7 AR-1016-5

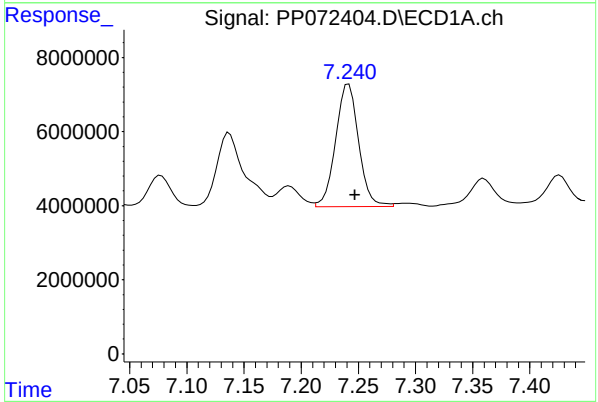
R.T.: 6.123 min
Delta R.T.: -0.004 min
Response: 23669824
Conc: 483.95 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



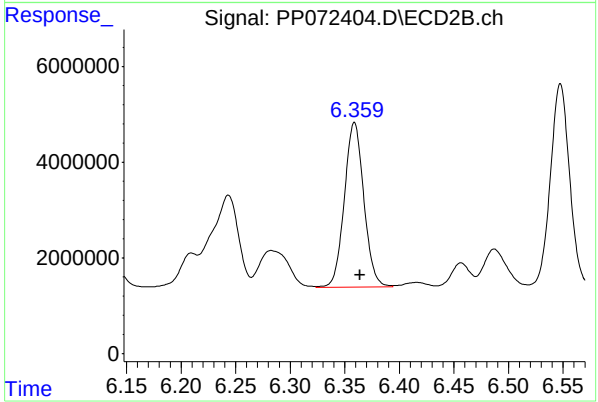

#7 AR-1016-5

R.T.: 5.327 min
Delta R.T.: -0.004 min
Response: 27878225
Conc: 559.53 ng/ml



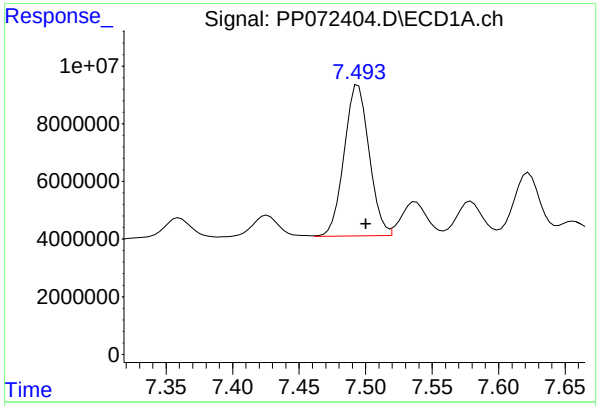

#31 AR-1260-1

R.T.: 7.242 min
Delta R.T.: -0.006 min
Response: 46329910
Conc: 495.01 ng/ml




#31 AR-1260-1

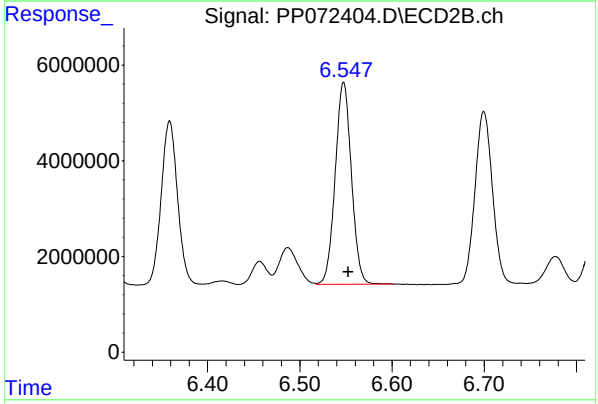
R.T.: 6.359 min
Delta R.T.: -0.005 min
Response: 42865704
Conc: 537.48 ng/ml




#32 AR-1260-2

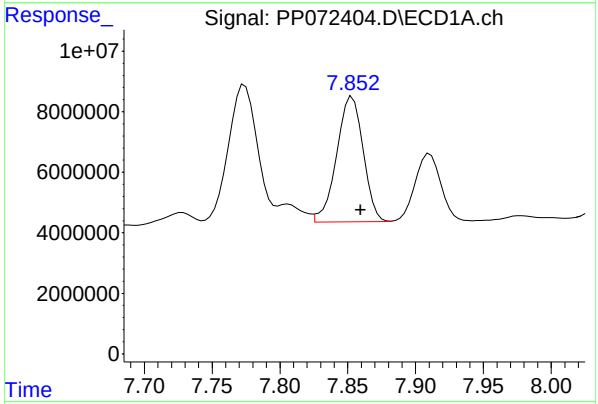
R.T.: 7.494 min
Delta R.T.: -0.006 mi
Response: 68675369
Conc: 478.61 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



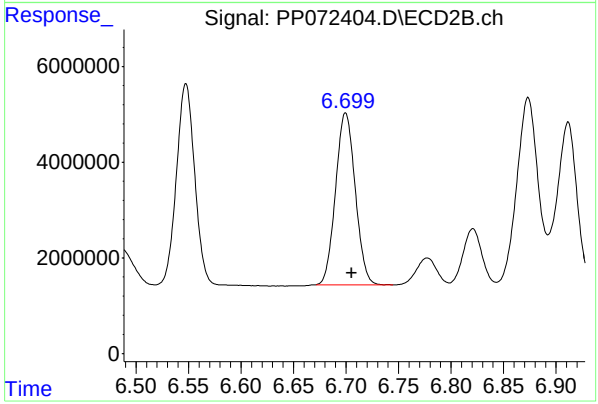

#32 AR-1260-2

R.T.: 6.548 min
Delta R.T.: -0.005 min
Response: 51461903
Conc: 507.40 ng/ml



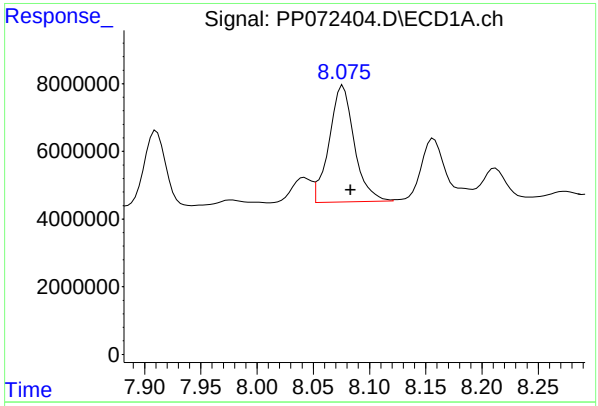

#33 AR-1260-3

R.T.: 7.853 min
Delta R.T.: -0.006 min
Response: 56419943
Conc: 495.47 ng/ml




#33 AR-1260-3

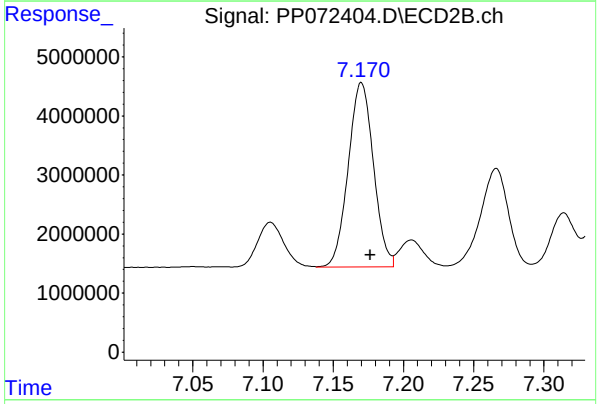
R.T.: 6.700 min
Delta R.T.: -0.006 min
Response: 46840733
Conc: 539.00 ng/ml




#34 AR-1260-4

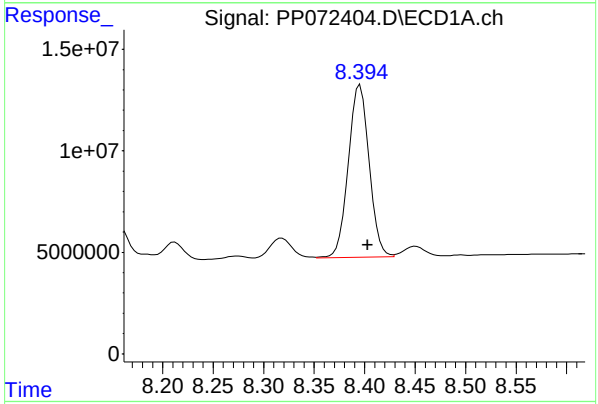
R.T.: 8.076 min
Delta R.T.: -0.007 min
Response: 53467742
Conc: 498.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



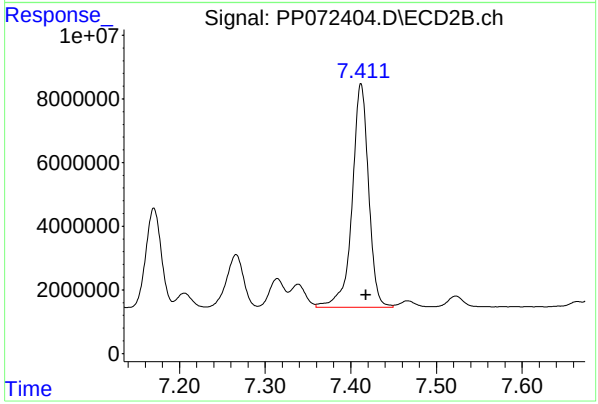

#34 AR-1260-4

R.T.: 7.170 min
Delta R.T.: -0.006 min
Response: 39080030
Conc: 542.09 ng/ml




#35 AR-1260-5

R.T.: 8.395 min
Delta R.T.: -0.007 min
Response: 122000315
Conc: 515.50 ng/ml




#35 AR-1260-5

R.T.: 7.412 min
Delta R.T.: -0.006 min
Response: 93677171
Conc: 539.54 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 14:41 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.70 | 4.70 | 4.60 | 4.80 | 0.00 |
| Aroclor-1221-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1221-3 | (3) | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.20 | 10.21 | 10.11 | 10.31 | 0.01 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 14:41 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.00 | 4.01 | 3.91 | 4.11 | 0.01 |
| Aroclor-1221-2 | (2) | 4.09 | 4.09 | 3.99 | 4.19 | 0.00 |
| Aroclor-1221-3 | (3) | 4.17 | 4.17 | 4.07 | 4.27 | 0.00 |
| Tetrachloro-m-xylene | | 3.79 | 3.79 | 3.69 | 3.89 | 0.00 |
| Decachlorobiphenyl | | 8.81 | 8.82 | 8.72 | 8.92 | 0.01 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL08 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072405.D **Time Analyzed:** 14:41

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.702 | 4.603 | 4.803 | 467.620 | 500.000 | -6.5 |
| Aroclor-1221-2 | 4.787 | 4.688 | 4.888 | 451.060 | 500.000 | -9.8 |
| Aroclor-1221-3 | 4.863 | 4.764 | 4.964 | 462.830 | 500.000 | -7.4 |
| Decachlorobiphenyl | 10.198 | 10.114 | 10.314 | 50.000 | 50.000 | 0.0 |
| Tetrachloro-m-xylene | 4.500 | 4.401 | 4.601 | 48.170 | 50.000 | -3.7 |

Alliance TECHNICAL GROUP

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL08 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072405.D **Time Analyzed:** 14:41

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.003 | 3.905 | 4.105 | 451.030 | 500.000 | -9.8 |
| Aroclor-1221-2 | 4.090 | 3.991 | 4.191 | 444.280 | 500.000 | -11.1 |
| Aroclor-1221-3 | 4.166 | 4.067 | 4.267 | 454.410 | 500.000 | -9.1 |
| Decachlorobiphenyl | 8.810 | 8.724 | 8.924 | 54.590 | 50.000 | 9.2 |
| Tetrachloro-m-xylene | 3.794 | 3.694 | 3.894 | 50.390 | 50.000 | 0.8 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.794 | 96866012 | 80540198 | 48.173 | 50.389 |
| 2) | SA Decachlor... | 10.198 | 8.810 | 81457075 | 57791546 | 50.001m | 54.592m |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.702 | 4.003 | 12224527 | 12092179 | 467.617 | 451.028 |
| 9) | L2 AR-1221-2 | 4.787 | 4.090 | 9201287 | 9123219 | 451.059 | 444.278 |
| 10) | L2 AR-1221-3 | 4.863 | 4.166 | 28000990 | 26759404 | 462.831 | 454.414 |

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

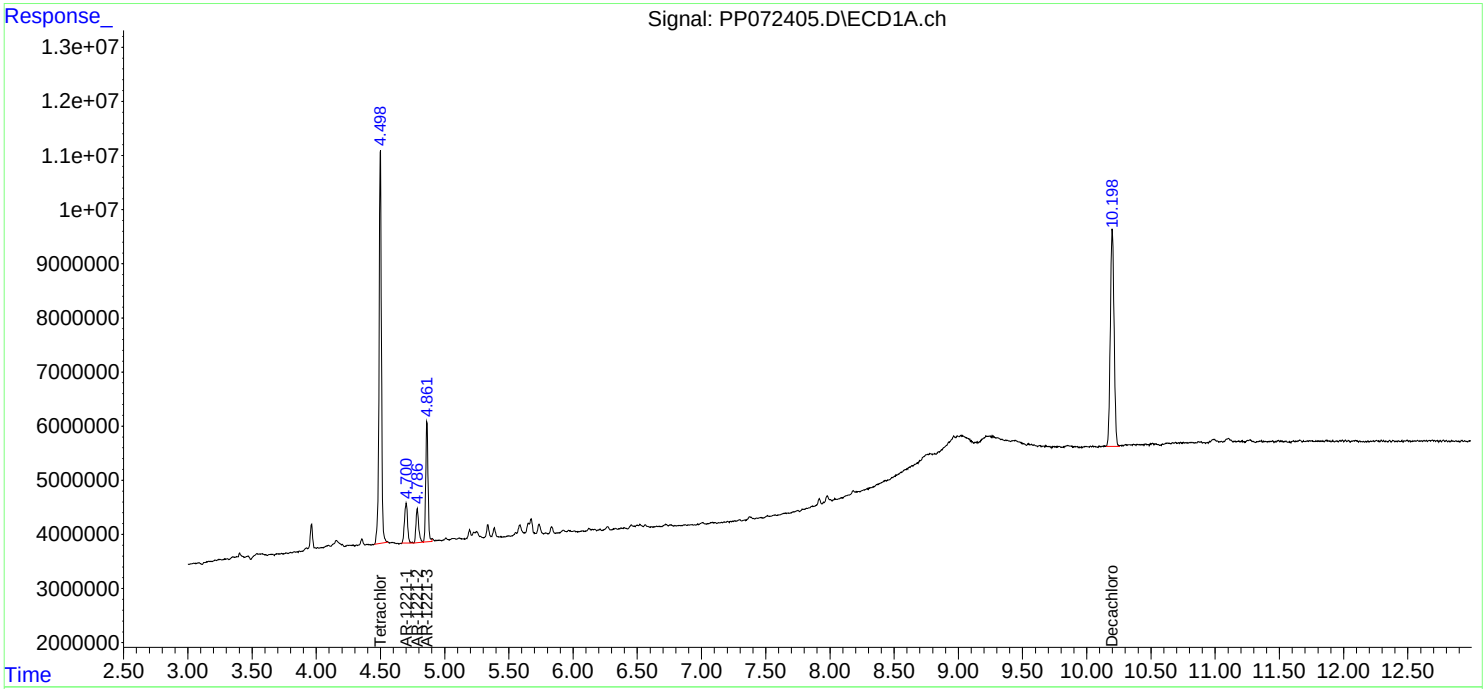
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

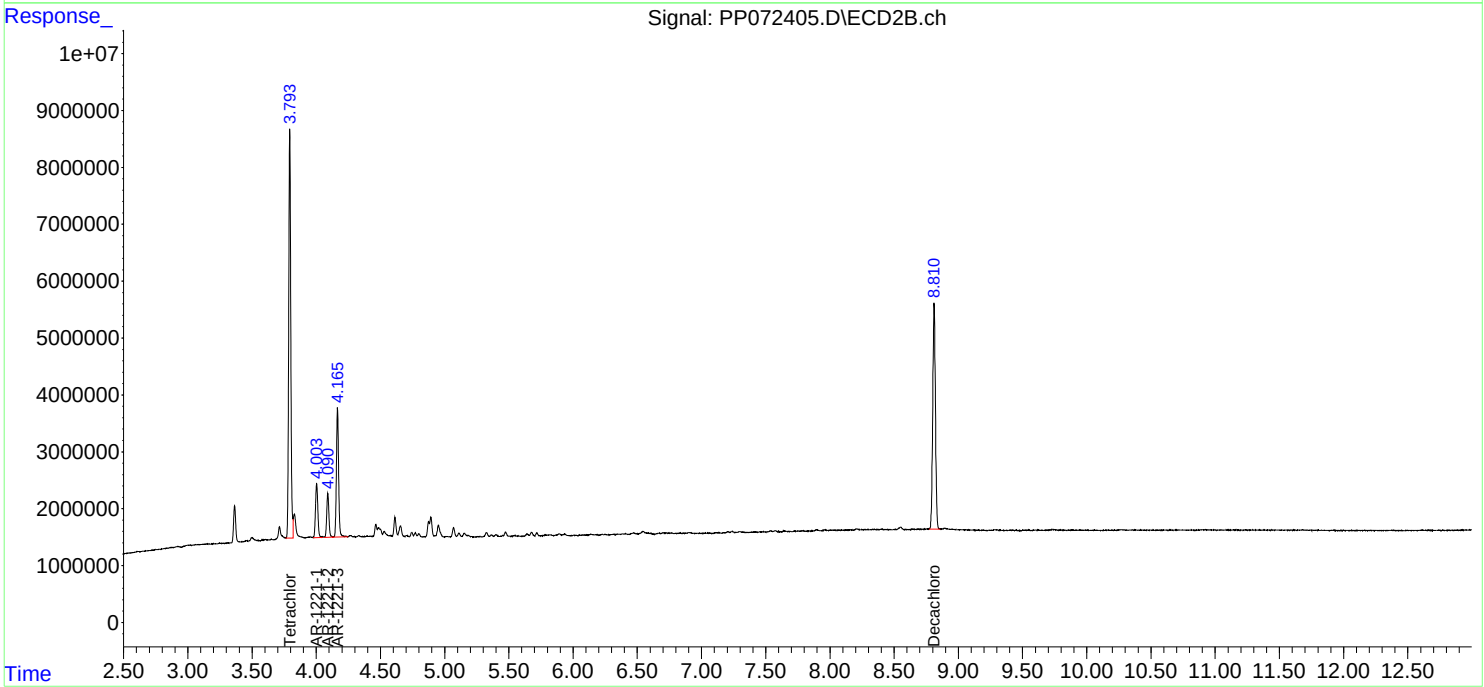
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

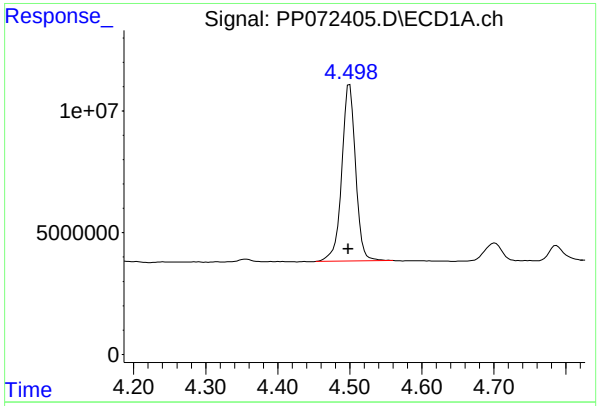
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





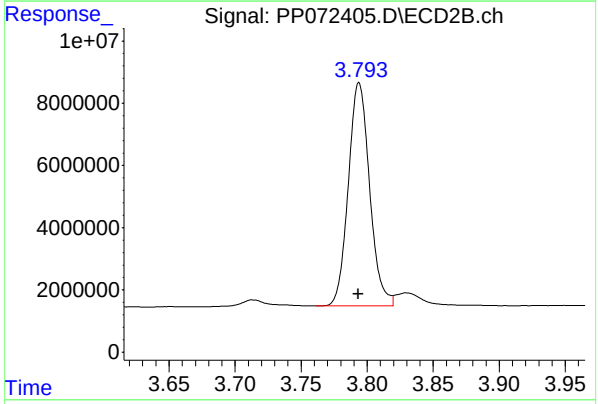

#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 mi
Response: 96866012
Conc: 48.17 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

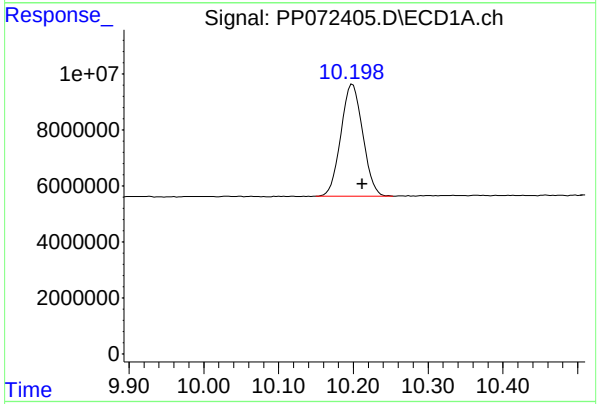
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



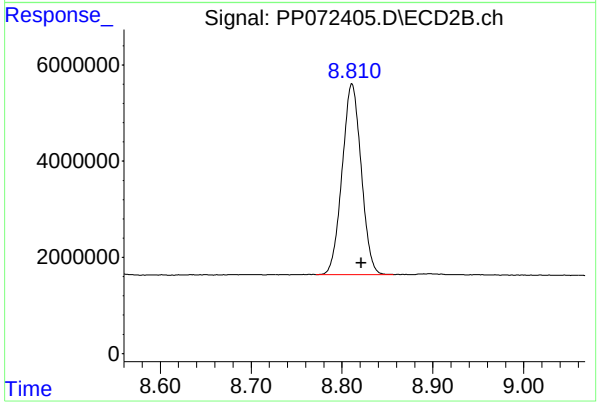

#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 80540198
Conc: 50.39 ng/ml



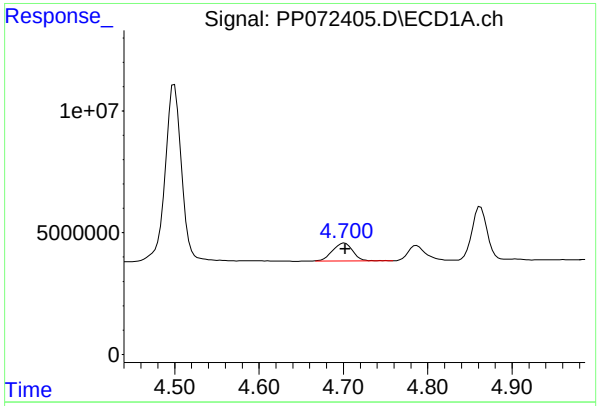

#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.015 min
Response: 81457075
Conc: 50.00 ng/ml m




#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 57791546
Conc: 54.59 ng/ml m



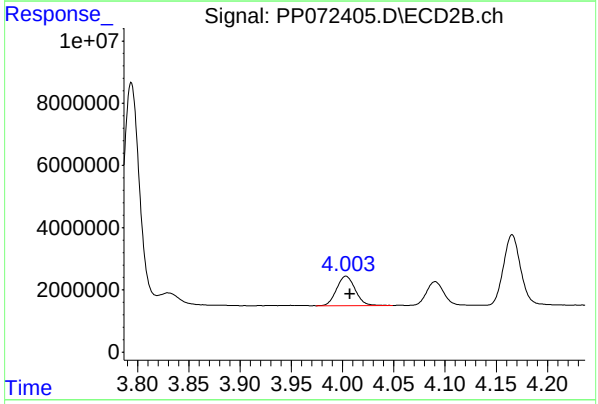

#8 AR-1221-1

R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 12224527
Conc: 467.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

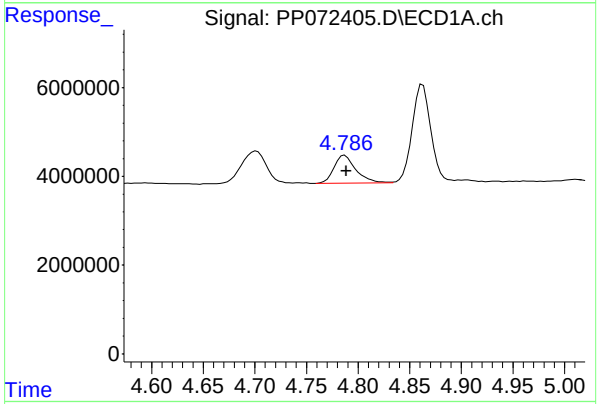
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



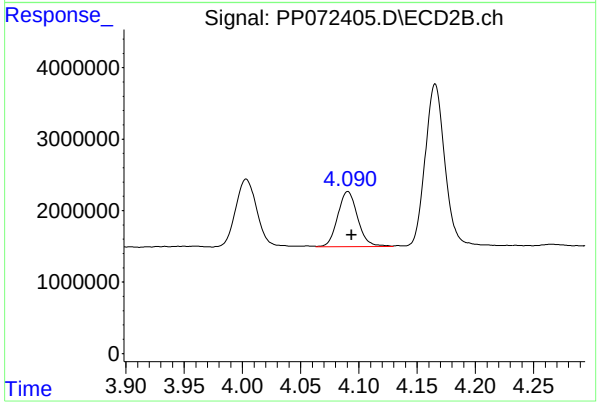

#8 AR-1221-1

R.T.: 4.003 min
Delta R.T.: -0.004 min
Response: 12092179
Conc: 451.03 ng/ml



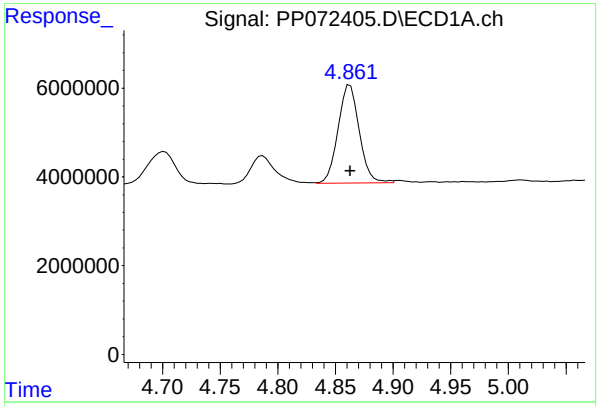

#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 9201287
Conc: 451.06 ng/ml




#9 AR-1221-2

R.T.: 4.090 min
Delta R.T.: -0.003 min
Response: 9123219
Conc: 444.28 ng/ml



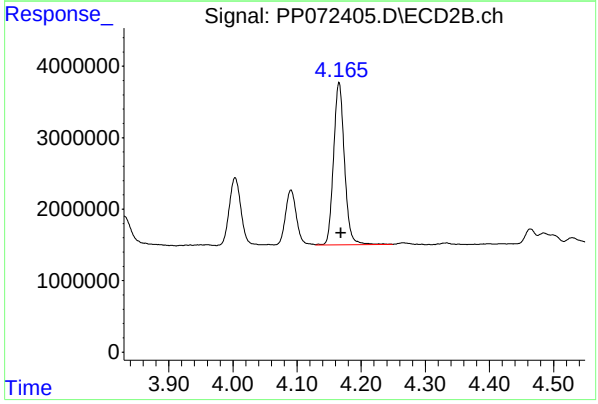

#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 28000990
Conc: 462.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025




#10 AR-1221-3

R.T.: 4.166 min
Delta R.T.: -0.003 min
Response: 26759404
Conc: 454.41 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 20:09 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.65 | 5.65 | 5.55 | 5.75 | 0.00 |
| Aroclor-1016-2 | (2) | 5.67 | 5.67 | 5.57 | 5.77 | 0.00 |
| Aroclor-1016-3 | (3) | 5.74 | 5.74 | 5.64 | 5.84 | 0.00 |
| Aroclor-1016-4 | (4) | 5.83 | 5.83 | 5.73 | 5.93 | 0.00 |
| Aroclor-1016-5 | (5) | 6.12 | 6.13 | 6.03 | 6.23 | 0.01 |
| Aroclor-1260-1 | (1) | 7.24 | 7.25 | 7.15 | 7.35 | 0.01 |
| Aroclor-1260-2 | (2) | 7.50 | 7.50 | 7.40 | 7.60 | 0.01 |
| Aroclor-1260-3 | (3) | 7.85 | 7.86 | 7.76 | 7.96 | 0.01 |
| Aroclor-1260-4 | (4) | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Aroclor-1260-5 | (5) | 8.40 | 8.40 | 8.30 | 8.50 | 0.00 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.20 | 10.21 | 10.11 | 10.31 | 0.01 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 20:09 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.88 | 4.88 | 4.78 | 4.98 | 0.00 |
| Aroclor-1016-2 | (2) | 4.90 | 4.90 | 4.80 | 5.00 | 0.01 |
| Aroclor-1016-3 | (3) | 5.07 | 5.07 | 4.97 | 5.17 | 0.00 |
| Aroclor-1016-4 | (4) | 5.11 | 5.12 | 5.02 | 5.22 | 0.01 |
| Aroclor-1016-5 | (5) | 5.33 | 5.33 | 5.23 | 5.43 | 0.00 |
| Aroclor-1260-1 | (1) | 6.36 | 6.36 | 6.26 | 6.46 | 0.00 |
| Aroclor-1260-2 | (2) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-3 | (3) | 6.70 | 6.71 | 6.61 | 6.81 | 0.01 |
| Aroclor-1260-4 | (4) | 7.17 | 7.18 | 7.08 | 7.28 | 0.01 |
| Aroclor-1260-5 | (5) | 7.41 | 7.42 | 7.32 | 7.52 | 0.01 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.81 | 8.82 | 8.72 | 8.92 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL09 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072419.D **Time Analyzed:** 20:09

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.650 | 5.552 | 5.752 | 415.340 | 500.000 | -16.9 |
| Aroclor-1016-2 | 5.672 | 5.574 | 5.774 | 445.940 | 500.000 | -10.8 |
| Aroclor-1016-3 | 5.735 | 5.636 | 5.836 | 441.760 | 500.000 | -11.6 |
| Aroclor-1016-4 | 5.832 | 5.734 | 5.934 | 455.900 | 500.000 | -8.8 |
| Aroclor-1016-5 | 6.124 | 6.027 | 6.227 | 449.770 | 500.000 | -10.0 |
| Aroclor-1260-1 | 7.242 | 7.147 | 7.347 | 459.860 | 500.000 | -8.0 |
| Aroclor-1260-2 | 7.495 | 7.401 | 7.601 | 457.080 | 500.000 | -8.6 |
| Aroclor-1260-3 | 7.854 | 7.760 | 7.960 | 471.580 | 500.000 | -5.7 |
| Aroclor-1260-4 | 8.078 | 7.985 | 8.185 | 470.120 | 500.000 | -6.0 |
| Aroclor-1260-5 | 8.396 | 8.303 | 8.503 | 482.010 | 500.000 | -3.6 |
| Decachlorobiphenyl | 10.199 | 10.113 | 10.313 | 48.070 | 50.000 | -3.9 |
| Tetrachloro-m-xylene | 4.499 | 4.396 | 4.596 | 46.740 | 50.000 | -6.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL09 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP072419.D **Time Analyzed:** 20:09

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.877 | 4.777 | 4.977 | 498.470 | 500.000 | -0.3 |
| Aroclor-1016-2 | 4.895 | 4.795 | 4.995 | 500.220 | 500.000 | 0.0 |
| Aroclor-1016-3 | 5.072 | 4.973 | 5.173 | 506.910 | 500.000 | 1.4 |
| Aroclor-1016-4 | 5.114 | 5.015 | 5.215 | 500.310 | 500.000 | 0.1 |
| Aroclor-1016-5 | 5.328 | 5.229 | 5.429 | 554.630 | 500.000 | 10.9 |
| Aroclor-1260-1 | 6.360 | 6.264 | 6.464 | 525.560 | 500.000 | 5.1 |
| Aroclor-1260-2 | 6.548 | 6.453 | 6.653 | 490.830 | 500.000 | -1.8 |
| Aroclor-1260-3 | 6.700 | 6.606 | 6.806 | 512.150 | 500.000 | 2.4 |
| Aroclor-1260-4 | 7.171 | 7.077 | 7.277 | 510.340 | 500.000 | 2.1 |
| Aroclor-1260-5 | 7.413 | 7.319 | 7.519 | 505.310 | 500.000 | 1.1 |
| Decachlorobiphenyl | 8.812 | 8.723 | 8.923 | 52.010 | 50.000 | 4.0 |
| Tetrachloro-m-xylene | 3.795 | 3.691 | 3.891 | 49.040 | 50.000 | -1.9 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:09
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.499 | 3.795 | 93990610 | 78378531 | 46.743 | 49.037 |
| 2) | SA Decachlor... | 10.199 | 8.812 | 78305151 | 55052712 | 48.066 | 52.005 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.650 | 4.877 | 31185342 | 30620628 | 415.341 | 498.468 |
| 4) | L1 AR-1016-2 | 5.672 | 4.895 | 47712029 | 43913784 | 445.942 | 500.218 |
| 5) | L1 AR-1016-3 | 5.735 | 5.072 | 28963916 | 24156489 | 441.759 | 506.909 |
| 6) | L1 AR-1016-4 | 5.832 | 5.114 | 24285865 | 19034352 | 455.901 | 500.307 |
| 7) | L1 AR-1016-5 | 6.124 | 5.328 | 21997748 | 27634125 | 449.767 | 554.630 |
| 31) | L7 AR-1260-1 | 7.242 | 6.360 | 43040414 | 41915134 | 459.859 | 525.557 |
| 32) | L7 AR-1260-2 | 7.495 | 6.548 | 65586809 | 49780999 | 457.084 | 490.830 |
| 33) | L7 AR-1260-3 | 7.854 | 6.700 | 53699147 | 44506956 | 471.580 | 512.149 |
| 34) | L7 AR-1260-4 | 8.078 | 7.171 | 50445527 | 36791023 | 470.124 | 510.342 |
| 35) | L7 AR-1260-5 | 8.396 | 7.413 | 114.1E6 | 87734727 | 482.011 | 505.314 |

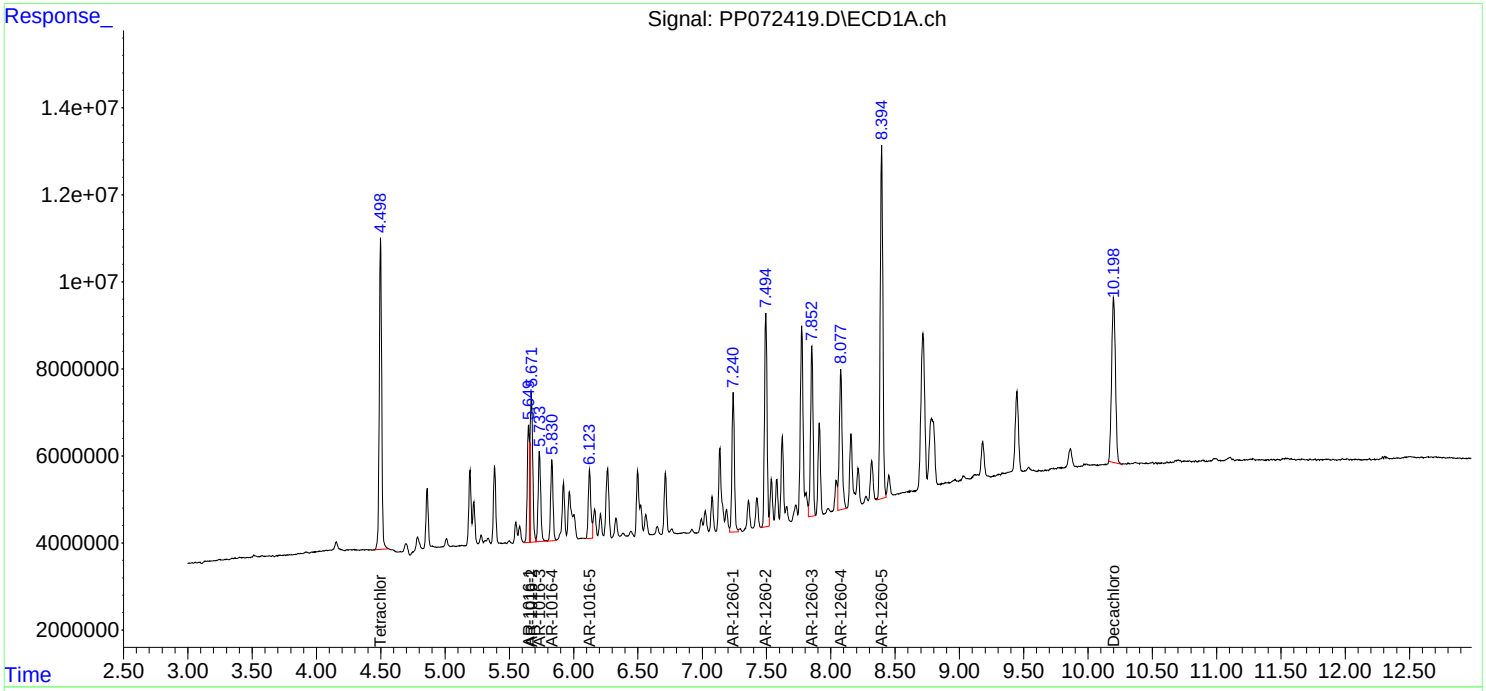
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

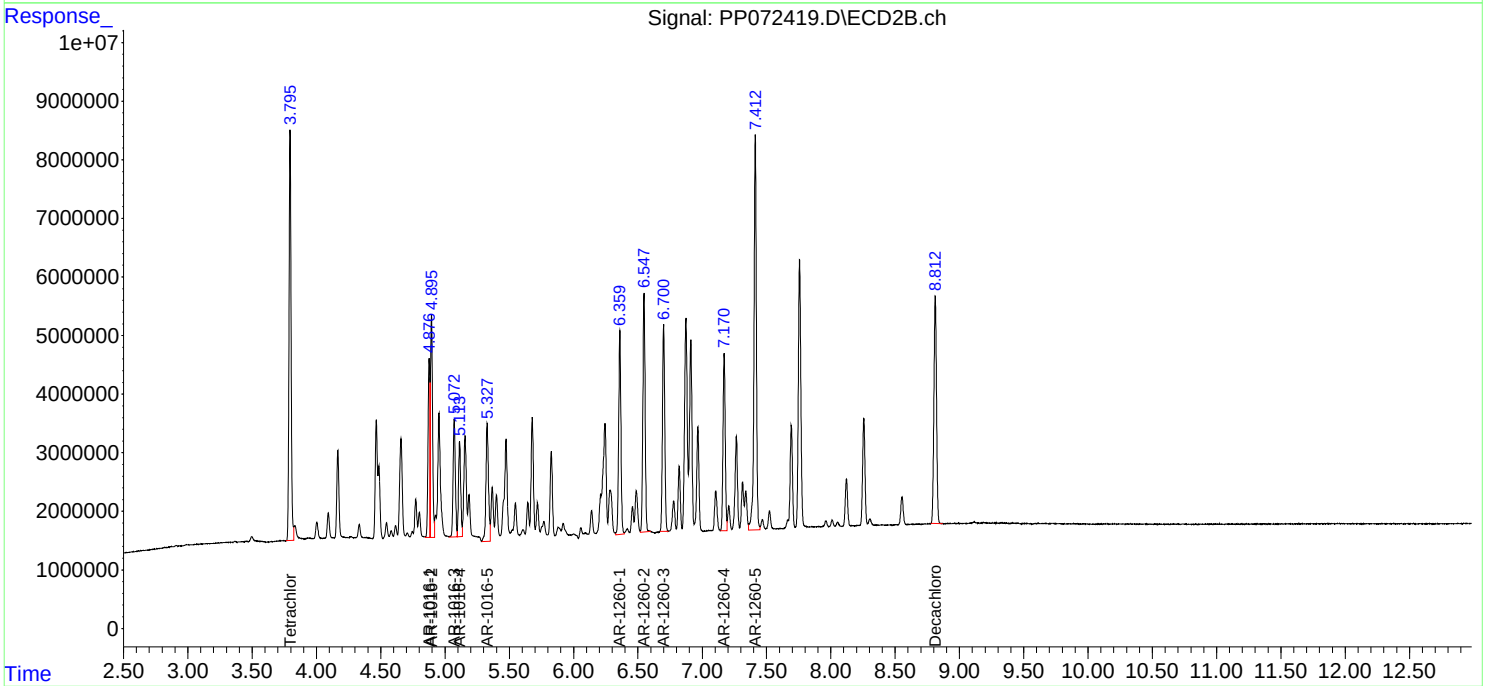
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:09
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

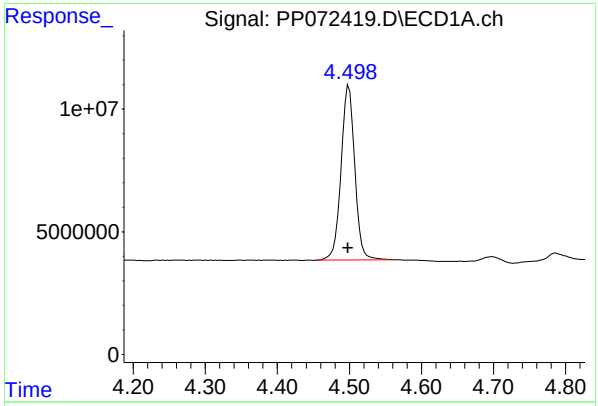
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



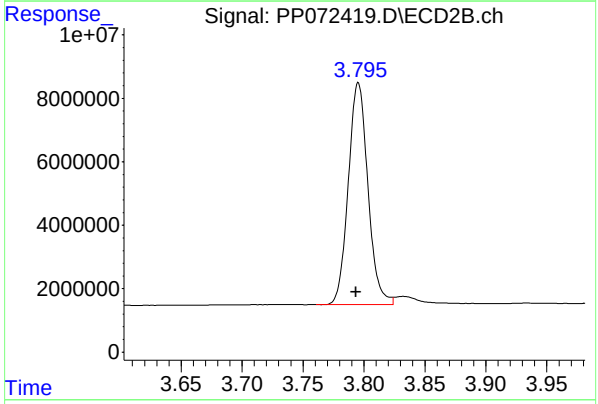






#1 Tetrachloro-m-xylene

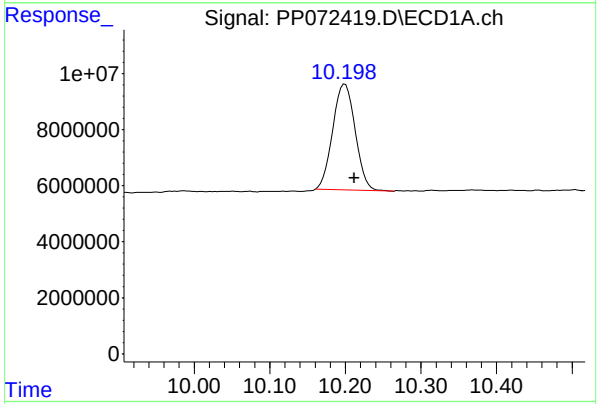
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 93990610
Conc: 46.74 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



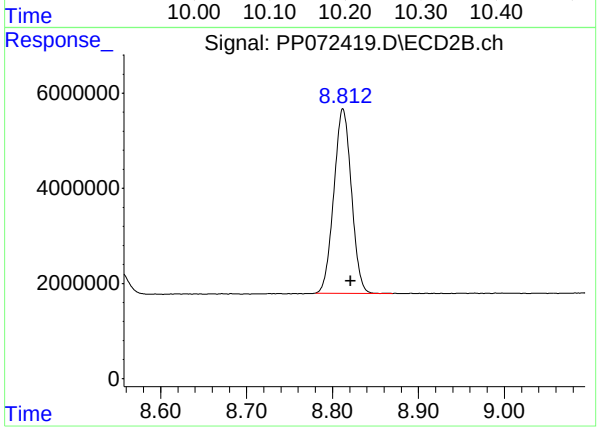

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 78378531
Conc: 49.04 ng/ml



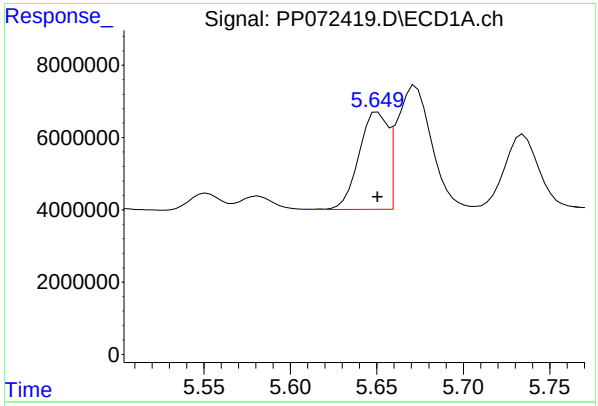

#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 78305151
Conc: 48.07 ng/ml




#2 Decachlorobiphenyl

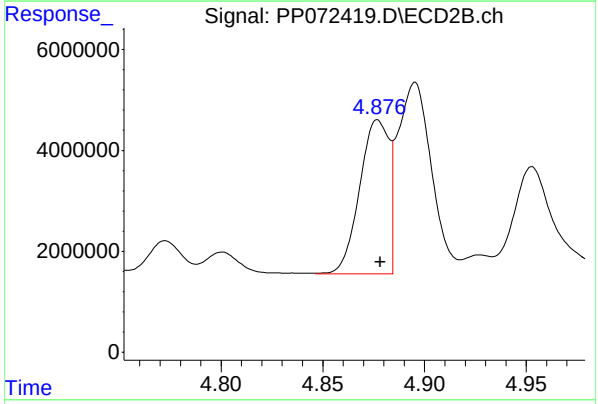
R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 55052712
Conc: 52.01 ng/ml




#3 AR-1016-1

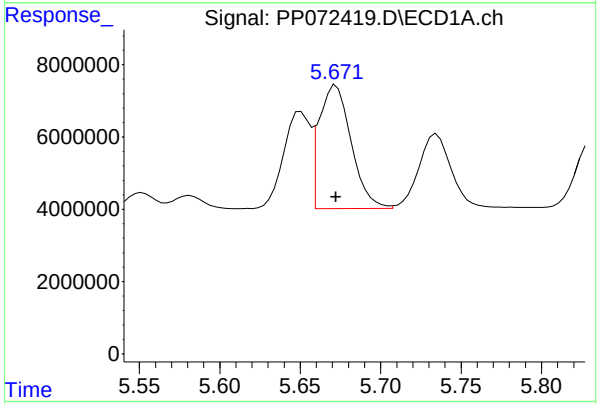
R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 31185342
Conc: 415.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



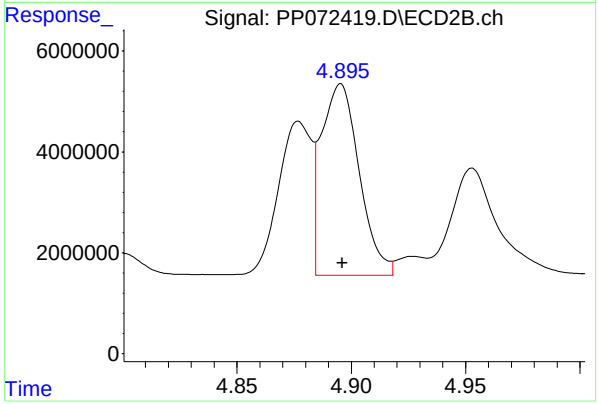

#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: -0.001 min
Response: 30620628
Conc: 498.47 ng/ml



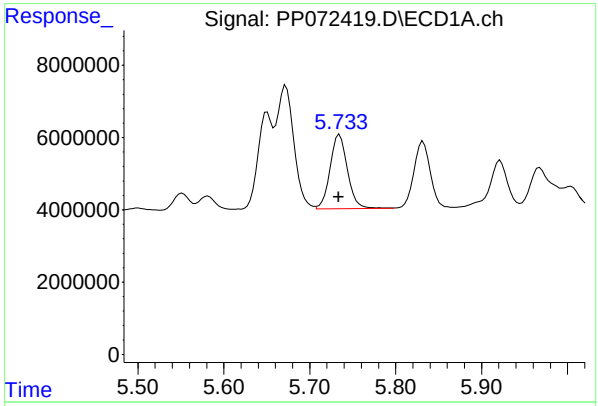

#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 47712029
Conc: 445.94 ng/ml




#4 AR-1016-2

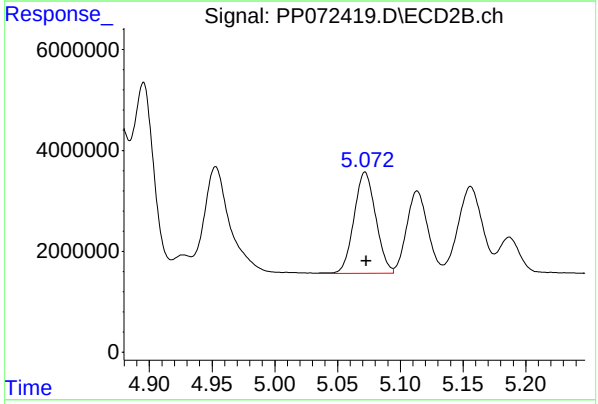
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 43913784
Conc: 500.22 ng/ml




#5 AR-1016-3

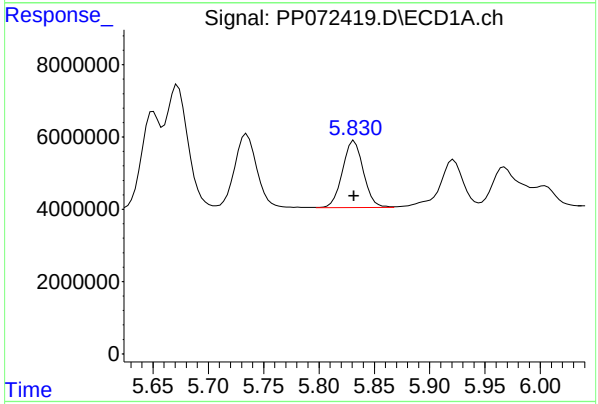
R.T.: 5.735 min
Delta R.T.: 0.000 min
Response: 28963916
Conc: 441.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



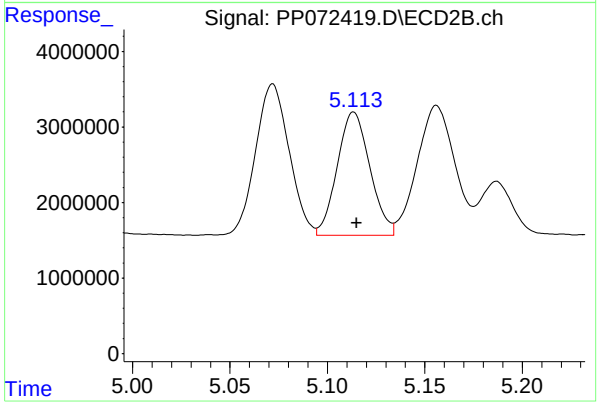

#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: -0.001 min
Response: 24156489
Conc: 506.91 ng/ml



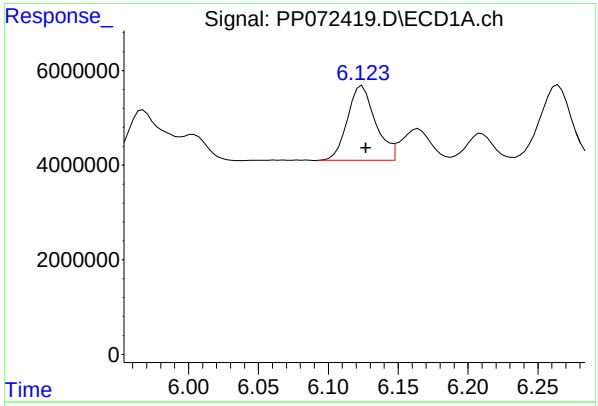

#6 AR-1016-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 24285865
Conc: 455.90 ng/ml




#6 AR-1016-4

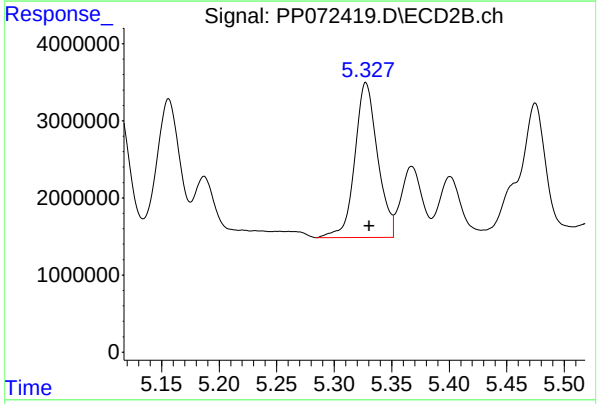
R.T.: 5.114 min
Delta R.T.: -0.002 min
Response: 19034352
Conc: 500.31 ng/ml




#7 AR-1016-5

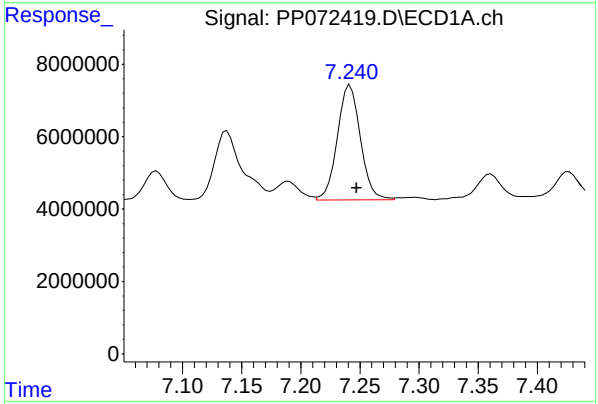
R.T.: 6.124 min
Delta R.T.: -0.003 min
Response: 21997748
Conc: 449.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



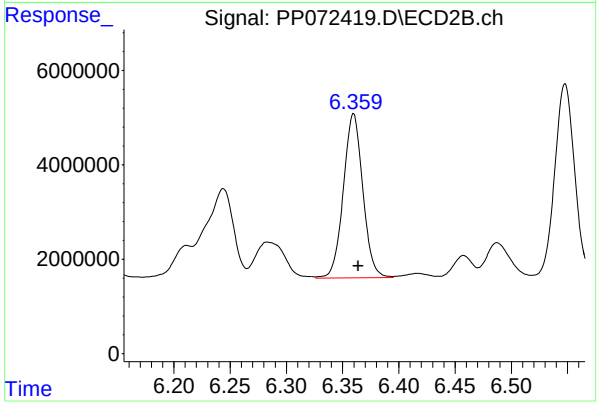

#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: -0.003 min
Response: 27634125
Conc: 554.63 ng/ml



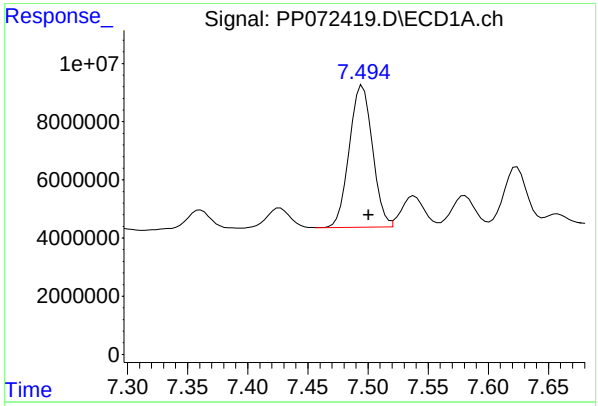

#31 AR-1260-1

R.T.: 7.242 min
Delta R.T.: -0.005 min
Response: 43040414
Conc: 459.86 ng/ml




#31 AR-1260-1

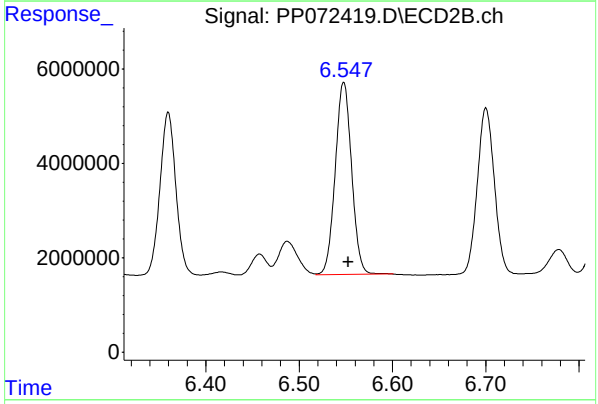
R.T.: 6.360 min
Delta R.T.: -0.004 min
Response: 41915134
Conc: 525.56 ng/ml




#32 AR-1260-2

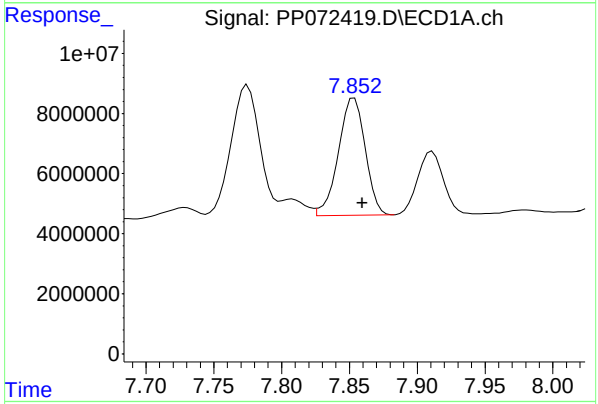
R.T.: 7.495 min
Delta R.T.: -0.005 min
Response: 65586809
Conc: 457.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



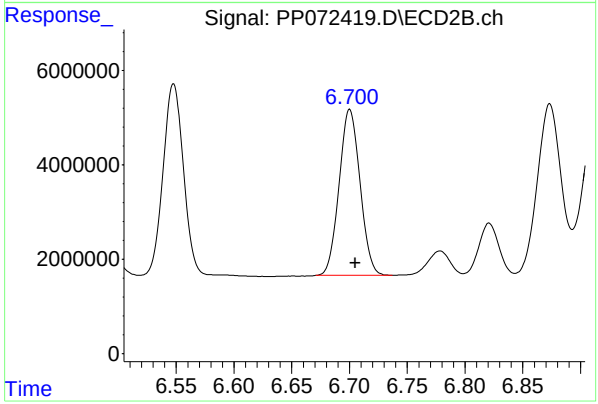

#32 AR-1260-2

R.T.: 6.548 min
Delta R.T.: -0.005 min
Response: 49780999
Conc: 490.83 ng/ml



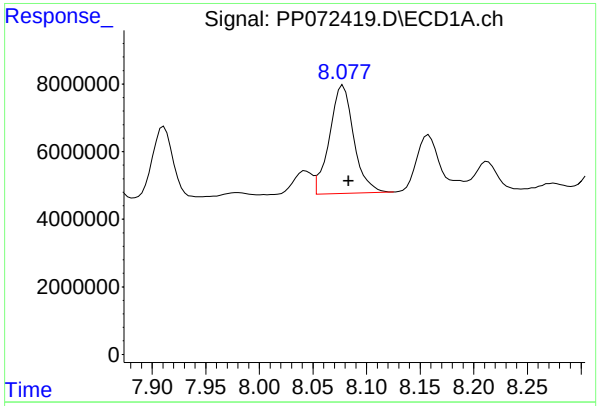

#33 AR-1260-3

R.T.: 7.854 min
Delta R.T.: -0.006 min
Response: 53699147
Conc: 471.58 ng/ml




#33 AR-1260-3

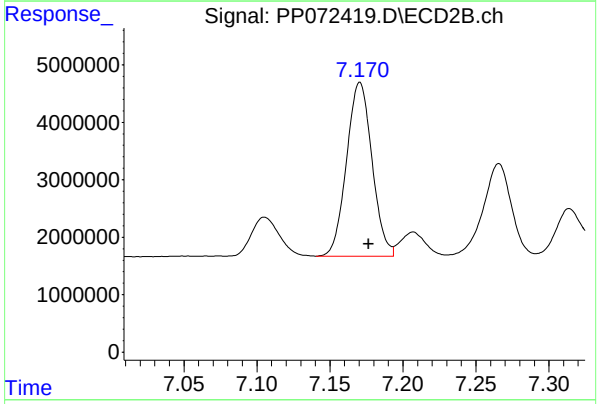
R.T.: 6.700 min
Delta R.T.: -0.005 min
Response: 44506956
Conc: 512.15 ng/ml




#34 AR-1260-4

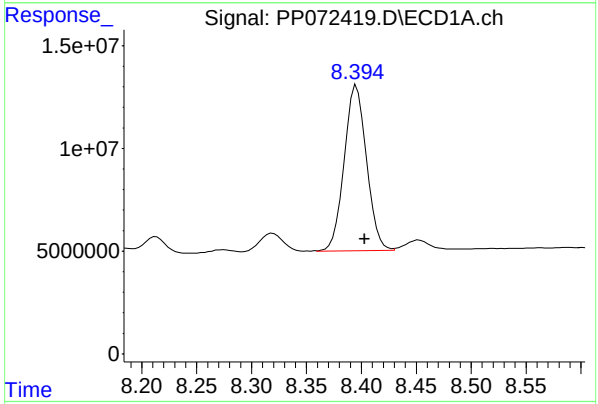
R.T.: 8.078 min
Delta R.T.: -0.005 min
Response: 50445527
Conc: 470.12 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



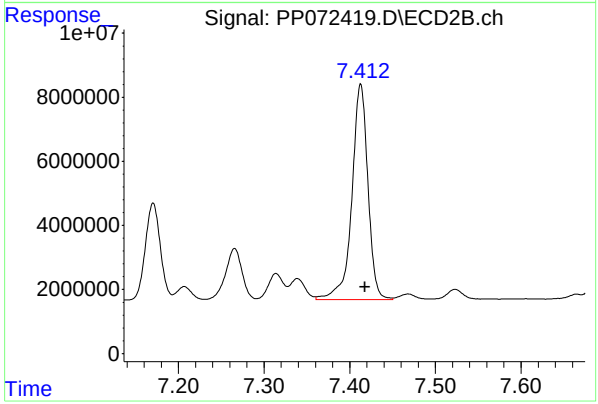

#34 AR-1260-4

R.T.: 7.171 min
Delta R.T.: -0.006 min
Response: 36791023
Conc: 510.34 ng/ml




#35 AR-1260-5

R.T.: 8.396 min
Delta R.T.: -0.007 min
Response: 114073831
Conc: 482.01 ng/ml




#35 AR-1260-5

R.T.: 7.413 min
Delta R.T.: -0.005 min
Response: 87734727
Conc: 505.31 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 20:41 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.70 | 4.70 | 4.60 | 4.80 | 0.00 |
| Aroclor-1221-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1221-3 | (3) | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Tetrachloro-m-xylene | | 4.50 | 4.50 | 4.40 | 4.60 | 0.00 |
| Decachlorobiphenyl | | 10.20 | 10.21 | 10.11 | 10.31 | 0.01 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**Continuing Calib Date:** 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

**Continuing Calib Time:** 20:41 **Initial Calibration Time(s):** 09:42 18:25

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | (1) | 4.01 | 4.01 | 3.91 | 4.11 | 0.00 |
| Aroclor-1221-2 | (2) | 4.09 | 4.09 | 3.99 | 4.19 | 0.00 |
| Aroclor-1221-3 | (3) | 4.17 | 4.17 | 4.07 | 4.27 | 0.00 |
| Tetrachloro-m-xylene | | 3.80 | 3.79 | 3.69 | 3.89 | -0.01 |
| Decachlorobiphenyl | | 8.81 | 8.82 | 8.72 | 8.92 | 0.01 |

Alliance TECHNICAL GROUP

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL10 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072420.D **Time Analyzed:** 20:41

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.701 | 4.603 | 4.803 | 466.550 | 500.000 | -6.7 |
| Aroclor-1221-2 | 4.787 | 4.688 | 4.888 | 586.510 | 500.000 | 17.3 |
| Aroclor-1221-3 | 4.863 | 4.764 | 4.964 | 529.090 | 500.000 | 5.8 |
| Decachlorobiphenyl | 10.198 | 10.114 | 10.314 | 48.820 | 50.000 | -2.4 |
| Tetrachloro-m-xylene | 4.500 | 4.401 | 4.601 | 47.420 | 50.000 | -5.2 |

Alliance TECHNICAL GROUP

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ALLI03

**Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

**Client Sample No.:** CCAL10 **Date Analyzed:** 05/28/2025

**Lab Sample No.:** AR1221CCC500 **Data File :** PP072420.D **Time Analyzed:** 20:41

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1221-1 | 4.005 | 3.905 | 4.105 | 476.980 | 500.000 | -4.6 |
| Aroclor-1221-2 | 4.092 | 3.991 | 4.191 | 468.970 | 500.000 | -6.2 |
| Aroclor-1221-3 | 4.167 | 4.067 | 4.267 | 466.860 | 500.000 | -6.6 |
| Decachlorobiphenyl | 8.812 | 8.724 | 8.924 | 50.960 | 50.000 | 1.9 |
| Tetrachloro-m-xylene | 3.795 | 3.694 | 3.894 | 48.890 | 50.000 | -2.2 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.795 | 95346934 | 78140251 | 47.417 | 48.888 |
| 2) | SA Decachlor... | 10.198 | 8.812 | 79530336 | 53944590 | 48.818m | 50.958 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.701 | 4.005 | 12196588 | 12788061 | 466.549 | 476.984 |
| 9) | L2 AR-1221-2 | 4.787 | 4.092 | 11964293 | 9630282 | 586.505 | 468.971 |
| 10) | L2 AR-1221-3 | 4.863 | 4.167 | 32009804 | 27492252 | 529.093 | 466.859 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

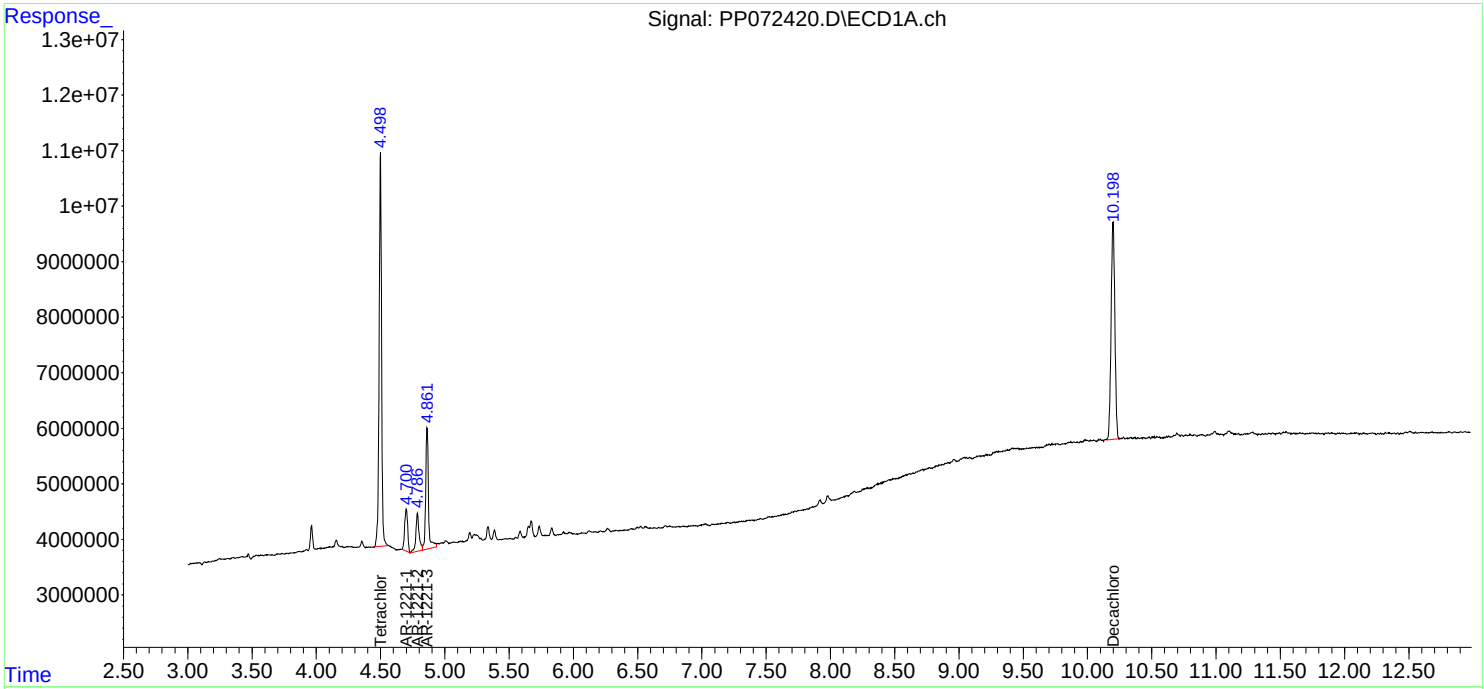
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

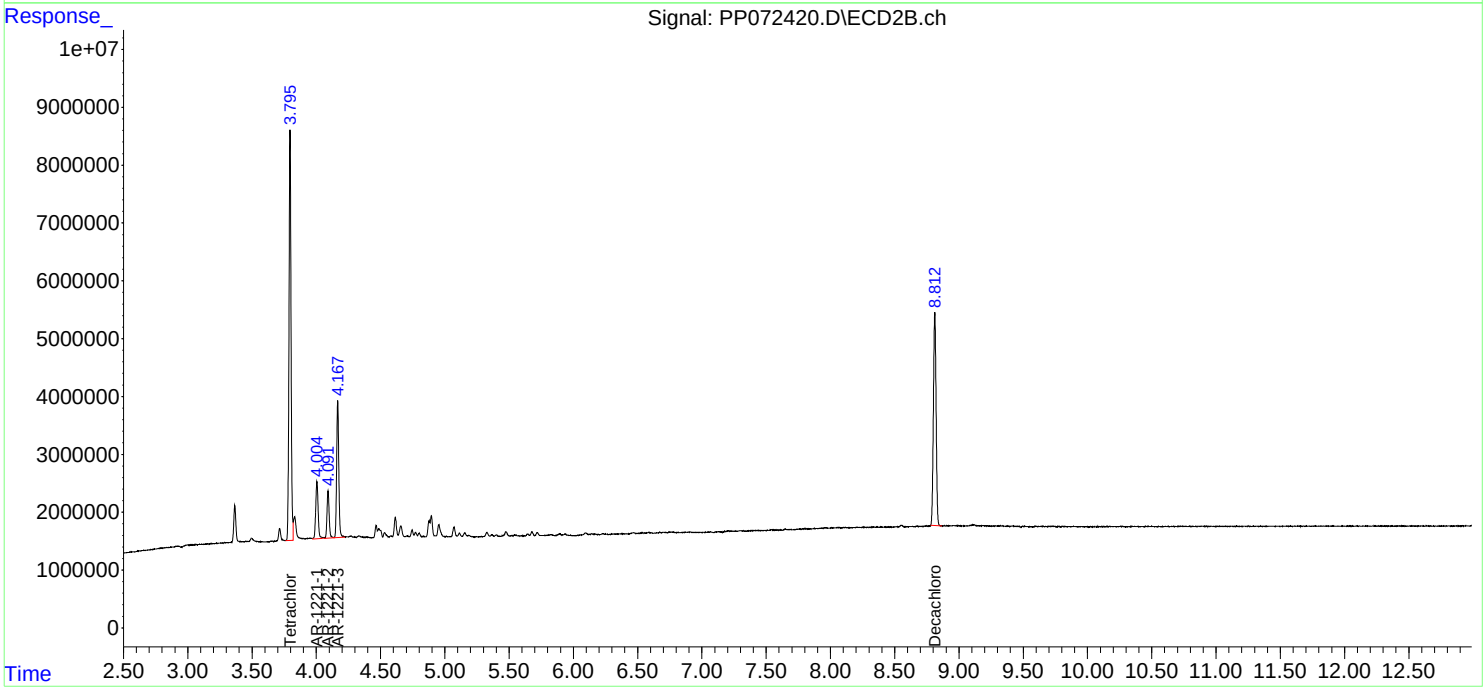
**Manual Integrations APPROVED**

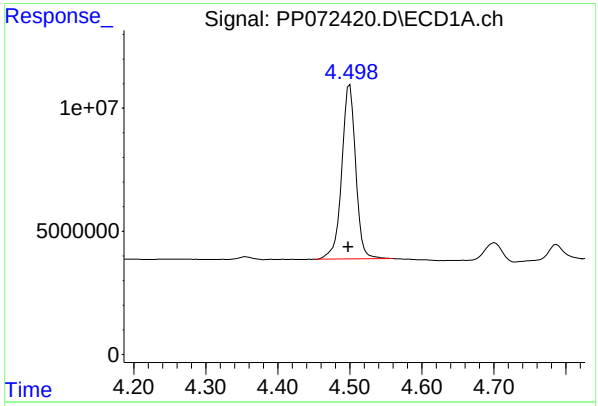
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





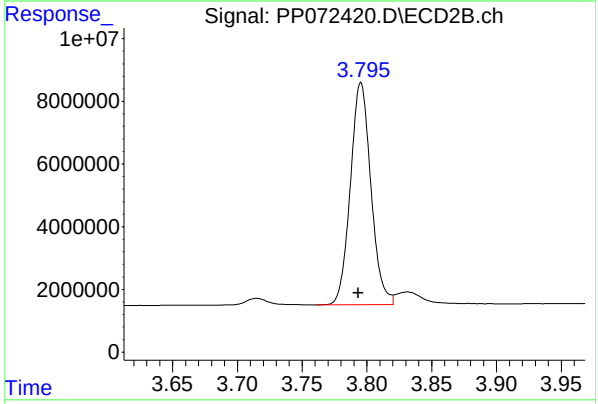

#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 mi
Response: 95346934
Conc: 47.42 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

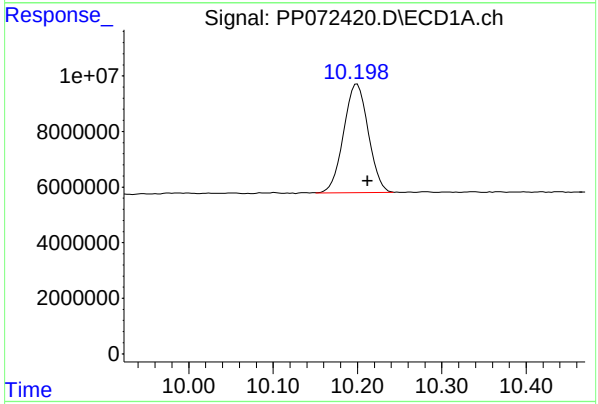
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



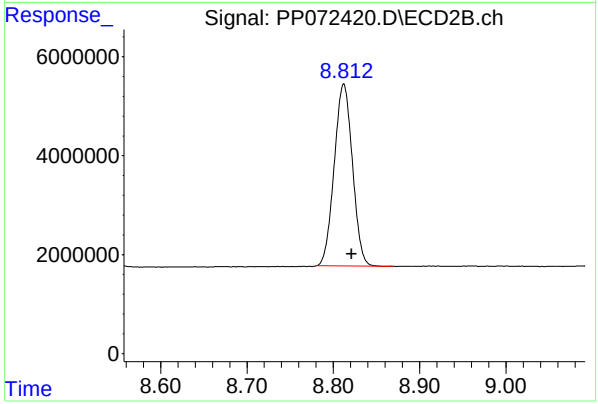

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 78140251
Conc: 48.89 ng/ml



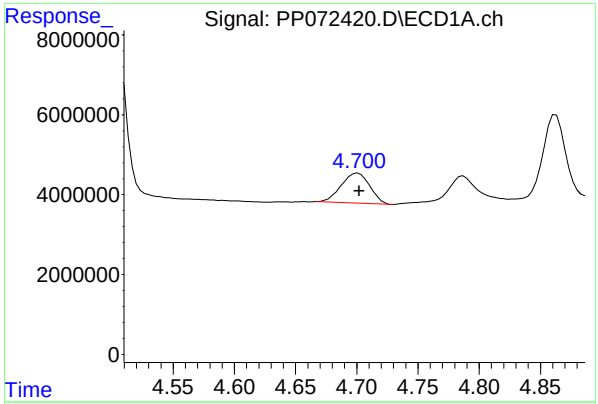

#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 79530336
Conc: 48.82 ng/ml m




#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 53944590
Conc: 50.96 ng/ml



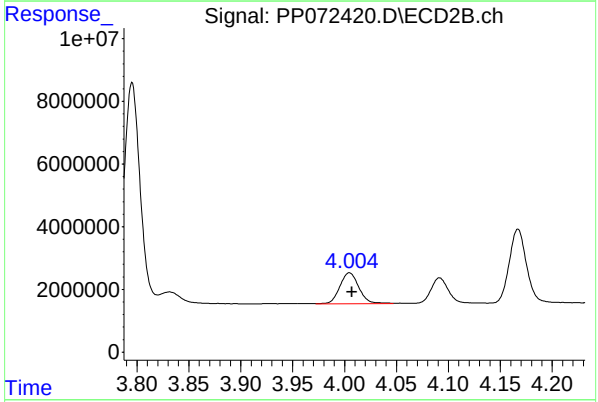

#8 AR-1221-1

R.T.: 4.701 min
Delta R.T.: -0.001 min
Response: 12196588
Conc: 466.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

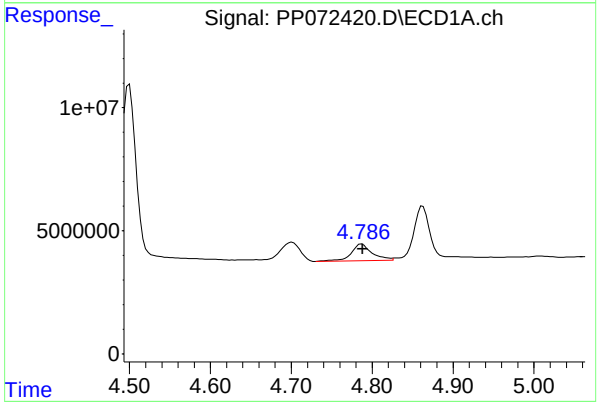
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



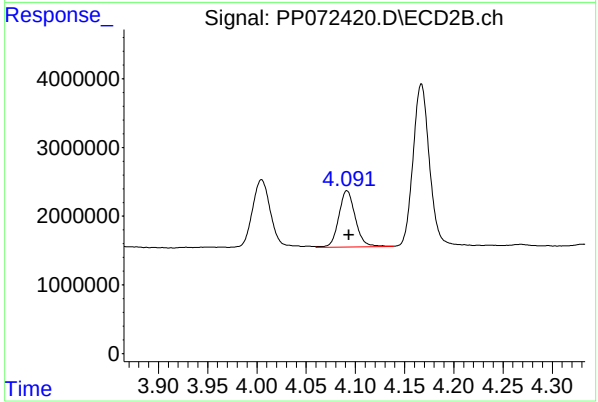

#8 AR-1221-1

R.T.: 4.005 min
Delta R.T.: -0.002 min
Response: 12788061
Conc: 476.98 ng/ml



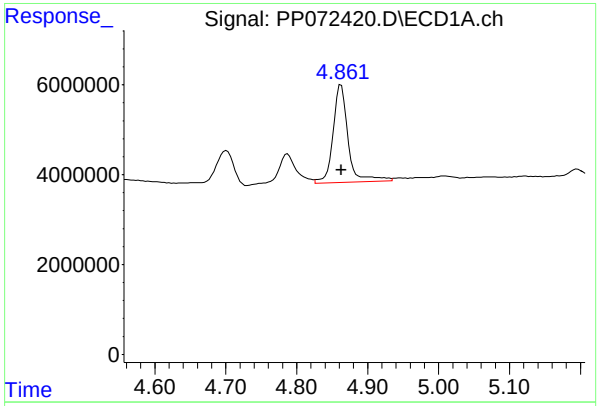

#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 11964293
Conc: 586.51 ng/ml




#9 AR-1221-2

R.T.: 4.092 min
Delta R.T.: -0.002 min
Response: 9630282
Conc: 468.97 ng/ml



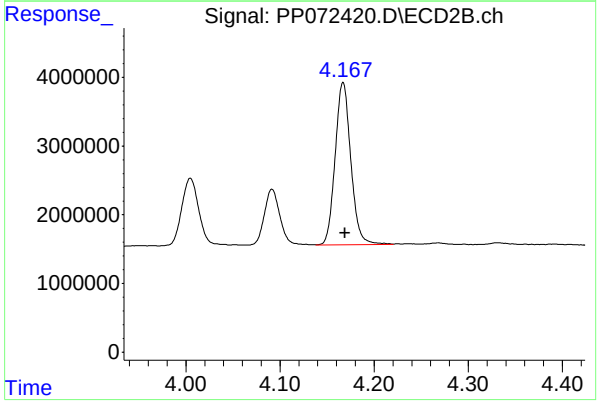

#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 32009804
Conc: 529.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221CCC500

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025




#10 AR-1221-3

R.T.: 4.167 min
Delta R.T.: -0.002 min
Response: 27492252
Conc: 466.86 ng/ml

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

# Analytical Sequence

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

**Project:** NJ Soil PT **Instrument ID:** ECD_P

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

**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 | 05/19/2025 | 09:26 | PP072163.D | 10.21 | 4.50 |
| AR1660ICC1000 | AR1660ICC1000 | 05/19/2025 | 09:42 | PP072164.D | 10.21 | 4.50 |
| AR1660ICC750 | AR1660ICC750 | 05/19/2025 | 09:59 | PP072165.D | 10.21 | 4.50 |
| AR1660ICC500 | AR1660ICC500 | 05/19/2025 | 10:15 | PP072166.D | 10.21 | 4.50 |
| AR1660ICC250 | AR1660ICC250 | 05/19/2025 | 10:32 | PP072167.D | 10.21 | 4.50 |
| AR1660ICC050 | AR1660ICC050 | 05/19/2025 | 10:48 | PP072168.D | 10.21 | 4.50 |
| AR1221ICC500 | AR1221ICC500 | 05/19/2025 | 11:05 | PP072169.D | 10.21 | 4.50 |
| AR1232ICC1000 | AR1232ICC1000 | 05/19/2025 | 11:21 | PP072170.D | 10.21 | 4.50 |
| AR1232ICC750 | AR1232ICC750 | 05/19/2025 | 11:38 | PP072171.D | 10.22 | 4.50 |
| AR1232ICC500 | AR1232ICC500 | 05/19/2025 | 11:54 | PP072172.D | 10.21 | 4.50 |
| AR1232ICC250 | AR1232ICC250 | 05/19/2025 | 12:10 | PP072173.D | 10.22 | 4.50 |
| AR1232ICC050 | AR1232ICC050 | 05/19/2025 | 12:27 | PP072174.D | 10.21 | 4.50 |
| AR1242ICC1000 | AR1242ICC1000 | 05/19/2025 | 12:43 | PP072175.D | 10.22 | 4.50 |
| AR1242ICC750 | AR1242ICC750 | 05/19/2025 | 12:59 | PP072176.D | 10.22 | 4.50 |
| AR1242ICC500 | AR1242ICC500 | 05/19/2025 | 13:15 | PP072177.D | 10.22 | 4.51 |
| AR1242ICC250 | AR1242ICC250 | 05/19/2025 | 13:32 | PP072178.D | 10.21 | 4.50 |
| AR1242ICC050 | AR1242ICC050 | 05/19/2025 | 13:48 | PP072179.D | 10.22 | 4.50 |
| AR1248ICC1000 | AR1248ICC1000 | 05/19/2025 | 14:04 | PP072180.D | 10.22 | 4.51 |
| AR1248ICC750 | AR1248ICC750 | 05/19/2025 | 14:20 | PP072181.D | 10.21 | 4.50 |
| AR1248ICC500 | AR1248ICC500 | 05/19/2025 | 14:37 | PP072182.D | 10.22 | 4.50 |
| AR1248ICC250 | AR1248ICC250 | 05/19/2025 | 14:53 | PP072183.D | 10.22 | 4.50 |
| AR1248ICC050 | AR1248ICC050 | 05/19/2025 | 15:25 | PP072184.D | 10.21 | 4.50 |
| AR1254ICC1000 | AR1254ICC1000 | 05/19/2025 | 15:42 | PP072185.D | 10.22 | 4.50 |
| AR1254ICC750 | AR1254ICC750 | 05/19/2025 | 15:58 | PP072186.D | 10.22 | 4.50 |
| AR1254ICC500 | AR1254ICC500 | 05/19/2025 | 16:14 | PP072187.D | 10.22 | 4.50 |
| AR1254ICC250 | AR1254ICC250 | 05/19/2025 | 16:31 | PP072188.D | 10.22 | 4.50 |
| AR1254ICC050 | AR1254ICC050 | 05/19/2025 | 16:47 | PP072189.D | 10.22 | 4.50 |
| AR1262ICC500 | AR1262ICC500 | 05/19/2025 | 17:03 | PP072190.D | 10.22 | 4.50 |
| AR1268ICC1000 | AR1268ICC1000 | 05/19/2025 | 17:20 | PP072191.D | 10.22 | 4.50 |
| AR1268ICC750 | AR1268ICC750 | 05/19/2025 | 17:36 | PP072192.D | 10.22 | 4.51 |
| AR1268ICC500 | AR1268ICC500 | 05/19/2025 | 17:53 | PP072193.D | 10.22 | 4.50 |
| AR1268ICC250 | AR1268ICC250 | 05/19/2025 | 18:09 | PP072194.D | 10.21 | 4.50 |
| AR1268ICC050 | AR1268ICC050 | 05/19/2025 | 18:25 | PP072195.D | 10.22 | 4.50 |
| AR1660CCC500 | AR1660CCC500 | 05/23/2025 | 12:10 | PP072307.D | 10.21 | 4.51 |
| I.BLK | I.BLK | 05/23/2025 | 13:33 | PP072312.D | 10.21 | 4.50 |
| PB168149BL | PB168149BL | 05/23/2025 | 13:49 | PP072313.D | 10.21 | 4.50 |
| PB168149BS | PB168149BS | 05/23/2025 | 14:06 | PP072314.D | 10.21 | 4.50 |
| EO-03-05222025MS | Q2112-01MS | 05/23/2025 | 15:28 | PP072319.D | 10.21 | 4.50 |
| EO-03-05222025MSD | Q2112-01MSD | 05/23/2025 | 15:44 | PP072320.D | 10.21 | 4.50 |
| AR1660CCC500 | AR1660CCC500 | 05/23/2025 | 17:22 | PP072322.D | 10.21 | 4.50 |
| I.BLK | I.BLK | 05/23/2025 | 18:27 | PP072326.D | 10.21 | 4.50 |
| I.BLK | I.BLK | 05/23/2025 | 23:54 | PP072340.D | 10.20 | 4.50 |

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# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| AR1221ICC1000 | AR1221ICC1000 | 05/24/2025 | 00:10 | PP072341.D | 10.21 | 4.50 |
| AR1221ICC750 | AR1221ICC750 | 05/24/2025 | 00:27 | PP072342.D | 10.20 | 4.50 |
| AR1221ICC500 | AR1221ICC500 | 05/24/2025 | 00:43 | PP072343.D | 10.21 | 4.50 |
| AR1221ICC250 | AR1221ICC250 | 05/24/2025 | 00:59 | PP072344.D | 10.21 | 4.50 |
| AR1221ICC050 | AR1221ICC050 | 05/24/2025 | 01:16 | PP072345.D | 10.21 | 4.50 |
| AR1660CCC500 | AR1660CCC500 | 05/24/2025 | 02:05 | PP072347.D | 10.21 | 4.50 |
| AR1221CCC500 | AR1221CCC500 | 05/24/2025 | 02:37 | PP072348.D | 10.21 | 4.50 |
| I.BLK | I.BLK | 05/24/2025 | 03:26 | PP072349.D | 10.21 | 4.50 |
| HW0425-PT-PCB-SOIL | Q1872-18 | 05/24/2025 | 04:31 | PP072352.D | 10.21 | 4.49 |
| HW0425-PT-PCB-SOILDL | Q1872-18DL | 05/24/2025 | 05:20 | PP072355.D | 0.00 | 0.00 |
| AR1660CCC500 | AR1660CCC500 | 05/24/2025 | 05:36 | PP072356.D | 10.20 | 4.50 |
| AR1221CCC500 | AR1221CCC500 | 05/24/2025 | 06:09 | PP072357.D | 10.21 | 4.50 |
| I.BLK | I.BLK | 05/24/2025 | 06:58 | PP072358.D | 10.21 | 4.50 |
| AR1660CCC500 | AR1660CCC500 | 05/28/2025 | 14:25 | PP072404.D | 10.20 | 4.50 |
| AR1221CCC500 | AR1221CCC500 | 05/28/2025 | 14:41 | PP072405.D | 10.20 | 4.50 |
| I.BLK | I.BLK | 05/28/2025 | 16:21 | PP072410.D | 10.20 | 4.50 |
| PB168154BL | PB168154BL | 05/28/2025 | 16:37 | PP072411.D | 10.20 | 4.50 |
| PB168154BS | PB168154BS | 05/28/2025 | 16:53 | PP072412.D | 10.20 | 4.50 |
| HW0425-PT-PCBO-SOIL | Q1872-19 | 05/28/2025 | 17:10 | PP072413.D | 10.20 | 4.50 |
| AR1660CCC500 | AR1660CCC500 | 05/28/2025 | 20:09 | PP072419.D | 10.20 | 4.50 |
| AR1221CCC500 | AR1221CCC500 | 05/28/2025 | 20:41 | PP072420.D | 10.20 | 4.50 |
| I.BLK | I.BLK | 05/28/2025 | 22:03 | PP072423.D | 10.20 | 4.50 |

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# Analytical Sequence

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

**Project:** NJ Soil PT **Instrument ID:** ECD_P

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

**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 | 05/19/2025 | 09:26 | PP072163.D | 8.82 | 3.79 |
| AR1660ICC1000 | AR1660ICC1000 | 05/19/2025 | 09:42 | PP072164.D | 8.82 | 3.79 |
| AR1660ICC750 | AR1660ICC750 | 05/19/2025 | 09:59 | PP072165.D | 8.82 | 3.79 |
| AR1660ICC500 | AR1660ICC500 | 05/19/2025 | 10:15 | PP072166.D | 8.82 | 3.79 |
| AR1660ICC250 | AR1660ICC250 | 05/19/2025 | 10:32 | PP072167.D | 8.82 | 3.79 |
| AR1660ICC050 | AR1660ICC050 | 05/19/2025 | 10:48 | PP072168.D | 8.82 | 3.79 |
| AR1221ICC500 | AR1221ICC500 | 05/19/2025 | 11:05 | PP072169.D | 8.82 | 3.79 |
| AR1232ICC1000 | AR1232ICC1000 | 05/19/2025 | 11:21 | PP072170.D | 8.82 | 3.80 |
| AR1232ICC750 | AR1232ICC750 | 05/19/2025 | 11:38 | PP072171.D | 8.82 | 3.80 |
| AR1232ICC500 | AR1232ICC500 | 05/19/2025 | 11:54 | PP072172.D | 8.82 | 3.80 |
| AR1232ICC250 | AR1232ICC250 | 05/19/2025 | 12:10 | PP072173.D | 8.82 | 3.80 |
| AR1232ICC050 | AR1232ICC050 | 05/19/2025 | 12:27 | PP072174.D | 8.82 | 3.80 |
| AR1242ICC1000 | AR1242ICC1000 | 05/19/2025 | 12:43 | PP072175.D | 8.83 | 3.80 |
| AR1242ICC750 | AR1242ICC750 | 05/19/2025 | 12:59 | PP072176.D | 8.83 | 3.80 |
| AR1242ICC500 | AR1242ICC500 | 05/19/2025 | 13:15 | PP072177.D | 8.83 | 3.80 |
| AR1242ICC250 | AR1242ICC250 | 05/19/2025 | 13:32 | PP072178.D | 8.83 | 3.80 |
| AR1242ICC050 | AR1242ICC050 | 05/19/2025 | 13:48 | PP072179.D | 8.82 | 3.80 |
| AR1248ICC1000 | AR1248ICC1000 | 05/19/2025 | 14:04 | PP072180.D | 8.83 | 3.80 |
| AR1248ICC750 | AR1248ICC750 | 05/19/2025 | 14:20 | PP072181.D | 8.83 | 3.80 |
| AR1248ICC500 | AR1248ICC500 | 05/19/2025 | 14:37 | PP072182.D | 8.83 | 3.80 |
| AR1248ICC250 | AR1248ICC250 | 05/19/2025 | 14:53 | PP072183.D | 8.83 | 3.80 |
| AR1248ICC050 | AR1248ICC050 | 05/19/2025 | 15:25 | PP072184.D | 8.82 | 3.80 |
| AR1254ICC1000 | AR1254ICC1000 | 05/19/2025 | 15:42 | PP072185.D | 8.83 | 3.80 |
| AR1254ICC750 | AR1254ICC750 | 05/19/2025 | 15:58 | PP072186.D | 8.83 | 3.80 |
| AR1254ICC500 | AR1254ICC500 | 05/19/2025 | 16:14 | PP072187.D | 8.83 | 3.80 |
| AR1254ICC250 | AR1254ICC250 | 05/19/2025 | 16:31 | PP072188.D | 8.83 | 3.80 |
| AR1254ICC050 | AR1254ICC050 | 05/19/2025 | 16:47 | PP072189.D | 8.83 | 3.80 |
| AR1262ICC500 | AR1262ICC500 | 05/19/2025 | 17:03 | PP072190.D | 8.83 | 3.80 |
| AR1268ICC1000 | AR1268ICC1000 | 05/19/2025 | 17:20 | PP072191.D | 8.83 | 3.80 |
| AR1268ICC750 | AR1268ICC750 | 05/19/2025 | 17:36 | PP072192.D | 8.83 | 3.80 |
| AR1268ICC500 | AR1268ICC500 | 05/19/2025 | 17:53 | PP072193.D | 8.83 | 3.80 |
| AR1268ICC250 | AR1268ICC250 | 05/19/2025 | 18:09 | PP072194.D | 8.82 | 3.80 |
| AR1268ICC050 | AR1268ICC050 | 05/19/2025 | 18:25 | PP072195.D | 8.82 | 3.80 |
| AR1660CCC500 | AR1660CCC500 | 05/23/2025 | 12:10 | PP072307.D | 8.82 | 3.80 |
| I.BLK | I.BLK | 05/23/2025 | 13:33 | PP072312.D | 8.82 | 3.80 |
| PB168149BL | PB168149BL | 05/23/2025 | 13:49 | PP072313.D | 8.82 | 3.80 |
| PB168149BS | PB168149BS | 05/23/2025 | 14:06 | PP072314.D | 8.82 | 3.80 |
| EO-03-05222025MS | Q2112-01MS | 05/23/2025 | 15:28 | PP072319.D | 8.82 | 3.80 |
| EO-03-05222025MSD | Q2112-01MSD | 05/23/2025 | 15:44 | PP072320.D | 8.82 | 3.80 |
| AR1660CCC500 | AR1660CCC500 | 05/23/2025 | 17:22 | PP072322.D | 8.82 | 3.80 |
| I.BLK | I.BLK | 05/23/2025 | 18:27 | PP072326.D | 8.82 | 3.80 |
| I.BLK | I.BLK | 05/23/2025 | 23:54 | PP072340.D | 8.82 | 3.80 |

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# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| AR1221ICC1000 | AR1221ICC1000 | 05/24/2025 | 00:10 | PP072341.D | 8.82 | 3.80 |
| AR1221ICC750 | AR1221ICC750 | 05/24/2025 | 00:27 | PP072342.D | 8.82 | 3.80 |
| AR1221ICC500 | AR1221ICC500 | 05/24/2025 | 00:43 | PP072343.D | 8.82 | 3.80 |
| AR1221ICC250 | AR1221ICC250 | 05/24/2025 | 00:59 | PP072344.D | 8.82 | 3.80 |
| AR1221ICC050 | AR1221ICC050 | 05/24/2025 | 01:16 | PP072345.D | 8.82 | 3.80 |
| AR1660CCC500 | AR1660CCC500 | 05/24/2025 | 02:05 | PP072347.D | 8.82 | 3.80 |
| AR1221CCC500 | AR1221CCC500 | 05/24/2025 | 02:37 | PP072348.D | 8.82 | 3.80 |
| I.BLK | I.BLK | 05/24/2025 | 03:26 | PP072349.D | 8.82 | 3.80 |
| HW0425-PT-PCB-SOIL | Q1872-18 | 05/24/2025 | 04:31 | PP072352.D | 8.82 | 3.80 |
| HW0425-PT-PCB-SOILDL | Q1872-18DL | 05/24/2025 | 05:20 | PP072355.D | 0.00 | 0.00 |
| AR1660CCC500 | AR1660CCC500 | 05/24/2025 | 05:36 | PP072356.D | 8.82 | 3.80 |
| AR1221CCC500 | AR1221CCC500 | 05/24/2025 | 06:09 | PP072357.D | 8.82 | 3.80 |
| I.BLK | I.BLK | 05/24/2025 | 06:58 | PP072358.D | 8.82 | 3.80 |
| AR1660CCC500 | AR1660CCC500 | 05/28/2025 | 14:25 | PP072404.D | 8.81 | 3.80 |
| AR1221CCC500 | AR1221CCC500 | 05/28/2025 | 14:41 | PP072405.D | 8.81 | 3.79 |
| I.BLK | I.BLK | 05/28/2025 | 16:21 | PP072410.D | 8.81 | 3.80 |
| PB168154BL | PB168154BL | 05/28/2025 | 16:37 | PP072411.D | 8.81 | 3.80 |
| PB168154BS | PB168154BS | 05/28/2025 | 16:53 | PP072412.D | 8.81 | 3.80 |
| HW0425-PT-PCBO-SOIL | Q1872-19 | 05/28/2025 | 17:10 | PP072413.D | 8.81 | 3.81 |
| AR1660CCC500 | AR1660CCC500 | 05/28/2025 | 20:09 | PP072419.D | 8.81 | 3.80 |
| AR1221CCC500 | AR1221CCC500 | 05/28/2025 | 20:41 | PP072420.D | 8.81 | 3.80 |
| I.BLK | I.BLK | 05/28/2025 | 22:03 | PP072423.D | 8.81 | 3.79 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168149BS

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168149BS Date(s) Analyzed: 05/23/2025 05/23/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072314.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.654 | 5.604 | 5.704 | 119 | | |
| | 2 | 5.676 | 5.626 | 5.726 | 125 | | |
| | 3 | 5.738 | 5.688 | 5.788 | 123 | | |
| COLUMN 1 | 4 | 5.836 | 5.786 | 5.886 | 128 | | |
| | 5 | 6.128 | 6.078 | 6.178 | 124 | 124 | |
| | 1 | 4.88 | 4.83 | 4.93 | 124 | | |
| | 2 | 4.898 | 4.848 | 4.948 | 125 | | |
| | 3 | 5.075 | 5.025 | 5.125 | 127 | | |
| | 4 | 5.116 | 5.066 | 5.166 | 128 | | |
| COLUMN 2 | 5 | 5.331 | 5.281 | 5.381 | 122 | 125 | 0.8 |
| Aroclor-1260 | 1 | 7.246 | 7.196 | 7.296 | 132 | | |
| | 2 | 7.499 | 7.449 | 7.549 | 130 | | |
| | 3 | 7.858 | 7.808 | 7.908 | 113 | | |
| COLUMN 1 | 4 | 8.082 | 8.032 | 8.132 | 123 | | |
| | 5 | 8.401 | 8.351 | 8.451 | 120 | 124 | |
| | 1 | 6.364 | 6.314 | 6.414 | 142 | | |
| | 2 | 6.553 | 6.503 | 6.603 | 134 | | |
| | 3 | 6.705 | 6.655 | 6.755 | 144 | | |
| | 4 | 7.175 | 7.125 | 7.225 | 130 | | |
| COLUMN 2 | 5 | 7.417 | 7.367 | 7.467 | 126 | 135 | 8.49 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
EO-03-05222025MS

Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab Sample ID: Q2112-01MS Date(s) Analyzed: 05/23/2025 05/23/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP072319.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.655 | 5.605 | 5.705 | 91.9 | | |
| | 2 | 5.678 | 5.628 | 5.728 | 95.8 | | |
| | 3 | 5.74 | 5.69 | 5.79 | 94.0 | | |
| COLUMN 1 | 4 | 5.837 | 5.787 | 5.887 | 105 | | |
| | 5 | 6.128 | 6.078 | 6.178 | 93.8 | 96.0 | |
| | 1 | 4.881 | 4.831 | 4.931 | 122 | | |
| | 2 | 4.899 | 4.849 | 4.949 | 124 | | |
| | 3 | 5.075 | 5.025 | 5.125 | 121 | | |
| | 4 | 5.117 | 5.067 | 5.167 | 128 | | |
| COLUMN 2 | 5 | 5.331 | 5.281 | 5.381 | 118 | 122 | 23.85 |
| Aroclor-1260 | 1 | 7.248 | 7.198 | 7.298 | 98.7 | | |
| | 2 | 7.502 | 7.452 | 7.552 | 108 | | |
| | 3 | 7.86 | 7.81 | 7.91 | 82.4 | | |
| COLUMN 1 | 4 | 8.083 | 8.033 | 8.133 | 92.9 | | |
| | 5 | 8.404 | 8.354 | 8.454 | 88.9 | 94.1 | |
| | 1 | 6.364 | 6.314 | 6.414 | 119 | | |
| | 2 | 6.553 | 6.503 | 6.603 | 111 | | |
| | 3 | 6.705 | 6.655 | 6.755 | 116 | | |
| | 4 | 7.176 | 7.126 | 7.226 | 101 | | |
| COLUMN 2 | 5 | 7.418 | 7.368 | 7.468 | 101 | 110 | 15.58 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
EO-03-05222025MSD

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q2112-01MSD Date(s) Analyzed: 05/23/2025 05/23/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072320.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.653 | 5.603 | 5.703 | 95.3 | | |
| | 2 | 5.676 | 5.626 | 5.726 | 95.4 | | |
| | 3 | 5.738 | 5.688 | 5.788 | 94.6 | | |
| COLUMN 1 | 4 | 5.835 | 5.785 | 5.885 | 106 | | |
| | 5 | 6.126 | 6.076 | 6.176 | 100 | 98.3 | |
| | 1 | 4.88 | 4.83 | 4.93 | 120 | | |
| | 2 | 4.898 | 4.848 | 4.948 | 121 | | |
| | 3 | 5.075 | 5.025 | 5.125 | 118 | | |
| | 4 | 5.117 | 5.067 | 5.167 | 125 | | |
| COLUMN 2 | 5 | 5.331 | 5.281 | 5.381 | 117 | 120 | 19.88 |
| Aroclor-1260 | 1 | 7.246 | 7.196 | 7.296 | 95.8 | | |
| | 2 | 7.499 | 7.449 | 7.549 | 106 | | |
| | 3 | 7.858 | 7.808 | 7.908 | 82.1 | | |
| COLUMN 1 | 4 | 8.081 | 8.031 | 8.131 | 88.6 | | |
| | 5 | 8.401 | 8.351 | 8.451 | 89.5 | 92.4 | |
| | 1 | 6.364 | 6.314 | 6.414 | 117 | | |
| | 2 | 6.553 | 6.503 | 6.603 | 110 | | |
| | 3 | 6.705 | 6.655 | 6.755 | 114 | | |
| | 4 | 7.175 | 7.125 | 7.225 | 98.6 | | |
| COLUMN 2 | 5 | 7.418 | 7.368 | 7.468 | 98.3 | 108 | 15.57 |

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## IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

HW0425-PT-PCB-SOIL

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-18 Date(s) Analyzed: 05/24/2025 05/24/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072352.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1221 | 1 | 4.702 | 4.652 | 4.752 | 7680 | | |
| | 2 | 4.787 | 4.737 | 4.837 | 5980 | | |
| | 3 | 4.864 | 4.814 | 4.914 | 7230 | | |
| COLUMN 1 | 4 | 0 | 0 | 0 | 0 | | |
| | 5 | 0 | 0 | 0 | 0 | 7000 | |
| | 1 | 4.006 | 3.956 | 4.056 | 6840 | | |
| | 2 | 4.092 | 4.042 | 4.142 | 5550 | | |
| | 3 | 4.168 | 4.118 | 4.218 | 6840 | | |
| | 4 | 0 | 0 | 0 | 0 | | |
| COLUMN 2 | 5 | 0 | 0 | 0 | 0 | 6400 | 8.96 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

HW0425-PT-PCB-SOILD

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-18DL Date(s) Analyzed: 05/24/2025 05/24/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072355.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1221 | 1 | 4.702 | 4.652 | 4.752 | 10000 | | |
| | 2 | 4.787 | 4.737 | 4.837 | 8290 | | |
| | 3 | 4.863 | 4.813 | 4.913 | 10000 | | |
| COLUMN 1 | 4 | 0 | 0 | 0 | 0 | | |
| | 5 | 0 | 0 | 0 | 0 | 9400 | |
| | 1 | 4.006 | 3.956 | 4.056 | 10100 | | |
| | 2 | 4.092 | 4.042 | 4.142 | 8790 | | |
| | 3 | 4.168 | 4.118 | 4.218 | 9680 | | |
| | 4 | 0 | 0 | 0 | 0 | | |
| COLUMN 2 | 5 | 0 | 0 | 0 | 0 | 9500 | 1.06 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168154BS

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168154BS Date(s) Analyzed: 05/28/2025 05/28/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072412.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.651 | 5.601 | 5.701 | 3270 | | |
| | 2 | 5.673 | 5.623 | 5.723 | 3530 | | |
| | 3 | 5.735 | 5.685 | 5.785 | 3440 | | |
| COLUMN 1 | 4 | 5.831 | 5.781 | 5.881 | 3630 | | |
| | 5 | 6.123 | 6.073 | 6.173 | 3680 | 3500 | |
| | 1 | 4.876 | 4.826 | 4.926 | 3750 | | |
| | 2 | 4.895 | 4.845 | 4.945 | 3820 | | |
| | 3 | 5.071 | 5.021 | 5.121 | 3810 | | |
| | 4 | 5.113 | 5.063 | 5.163 | 3800 | | |
| COLUMN 2 | 5 | 5.327 | 5.277 | 5.377 | 3650 | 3800 | 8.22 |
| Aroclor-1260 | 1 | 7.242 | 7.192 | 7.292 | 3760 | | |
| | 2 | 7.496 | 7.446 | 7.546 | 3640 | | |
| | 3 | 7.854 | 7.804 | 7.904 | 3250 | | |
| COLUMN 1 | 4 | 8.078 | 8.028 | 8.128 | 3450 | | |
| | 5 | 8.396 | 8.346 | 8.446 | 3450 | 3500 | |
| | 1 | 6.359 | 6.309 | 6.409 | 4040 | | |
| | 2 | 6.548 | 6.498 | 6.598 | 3810 | | |
| | 3 | 6.699 | 6.649 | 6.749 | 4060 | | |
| | 4 | 7.171 | 7.121 | 7.221 | 3570 | | |
| COLUMN 2 | 5 | 7.412 | 7.362 | 7.462 | 3540 | 3800 | 8.22 |

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
HW0425-PT-PCBO-SOIL

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-19 Date(s) Analyzed: 05/28/2025 05/28/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072413.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1221 | 1 | 4.705 | 4.655 | 4.755 | 6470 | | |
| | 2 | 4.792 | 4.742 | 4.842 | 7180 | | |
| | 3 | 4.866 | 4.816 | 4.916 | 6430 | | |
| COLUMN 1 | 4 | 0 | 0 | 0 | 0 | | |
| | 5 | 0 | 0 | 0 | 0 | 6700 | |
| | 1 | 4.013 | 3.963 | 4.063 | 7180 | | |
| | 2 | 4.099 | 4.049 | 4.149 | 6440 | | |
| | 3 | 4.175 | 4.125 | 4.225 | 7390 | | |
| | 4 | 0 | 0 | 0 | 0 | | |
| COLUMN 2 | 5 | 0 | 0 | 0 | 0 | 7000 | 4.38 |

# QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | |
| Project: | NJ Soil PT | Date Received: | |
| Client Sample ID: | PB168149BL | SDG No.: | Q1872 |
| Lab Sample ID: | PB168149BL | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072313.D | 1 | 05/23/25 09:18 | 05/23/25 13:49 | PB168149 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.90 | U | 3.90 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.70 | U | 3.70 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 5.90 | U | 5.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.00 | U | 5.00 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 3.60 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.4 | | 32 - 144 | 112% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.6 | | 32 - 175 | 113% | 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_P\Data\PP052325\
Data File : PP072313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:49
Operator : YP\AJ
Sample : PB168149BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:15:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.797 | 42456526 | 35808801 | 21.114 | 22.403 |
| 2) | SA Decachlor... | 10.209 | 8.819 | 36246476 | 23918705 | 22.249 | 22.595 |
| | Target Compounds | | | | | | |

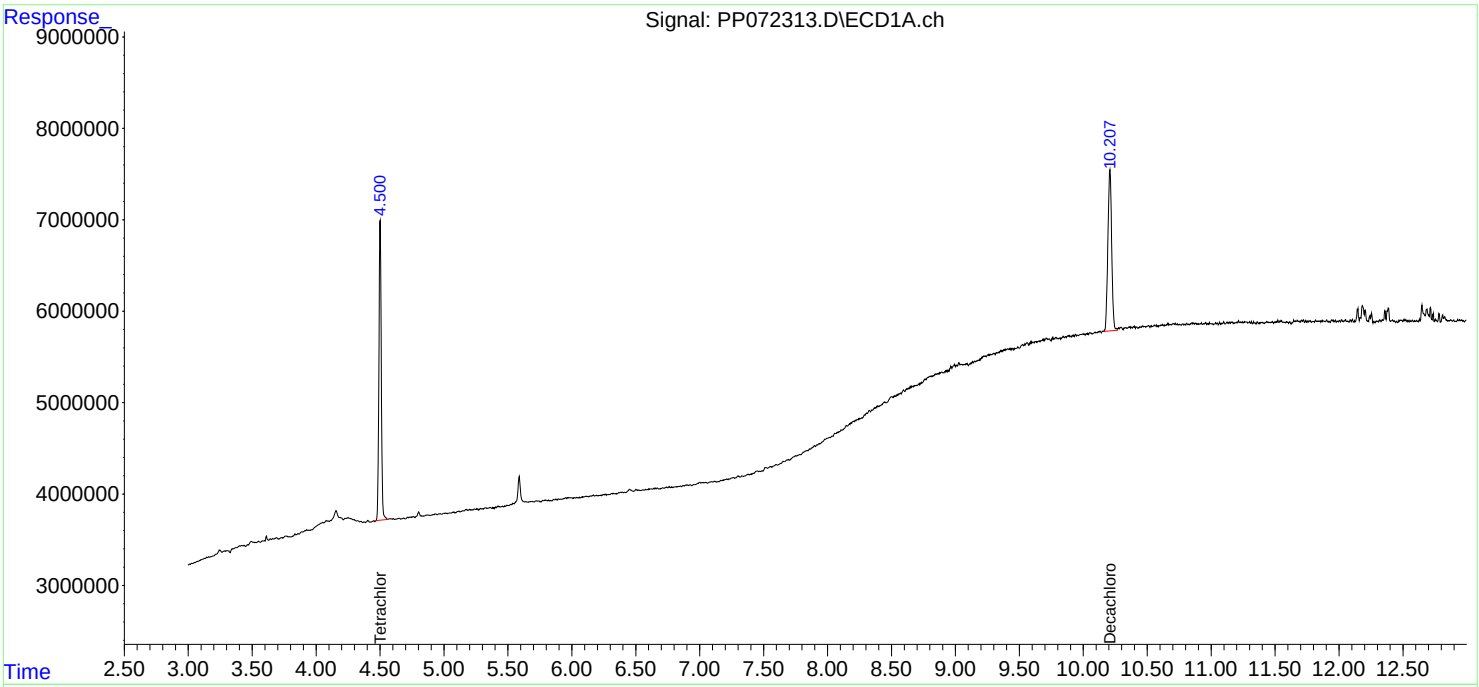
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

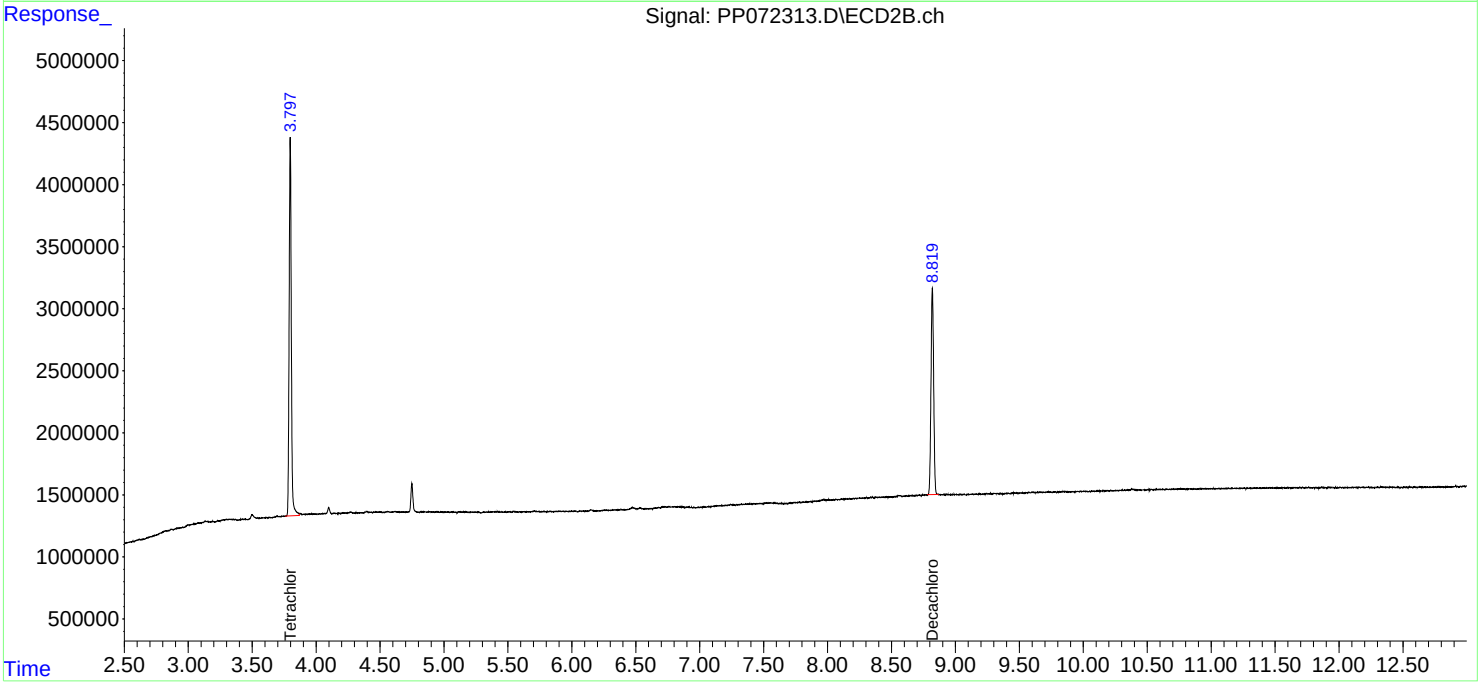
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:49
Operator : YP\AJ
Sample : PB168149BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

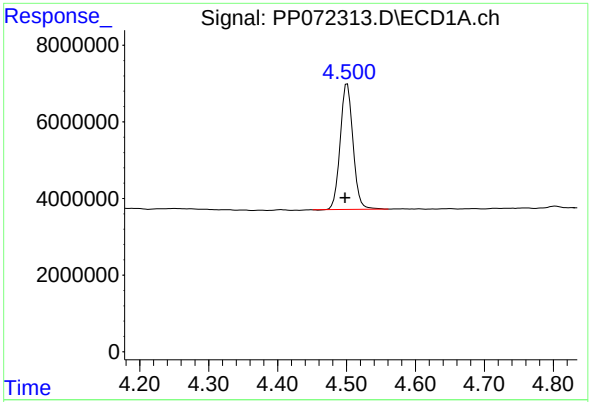
**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:15:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



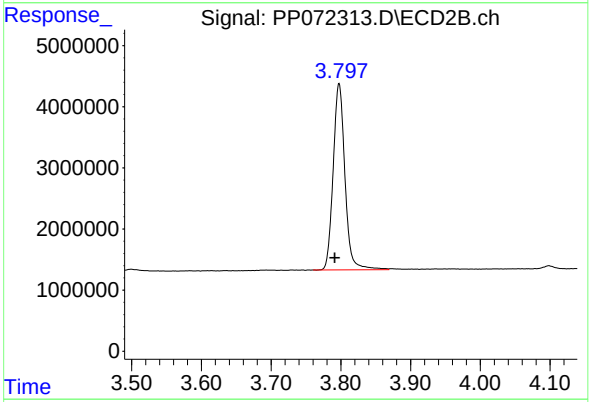






#1 Tetrachloro-m-xylene

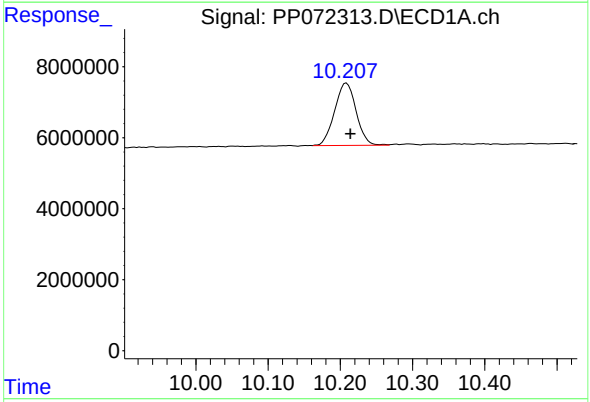
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 42456526
Conc: 21.11 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BL



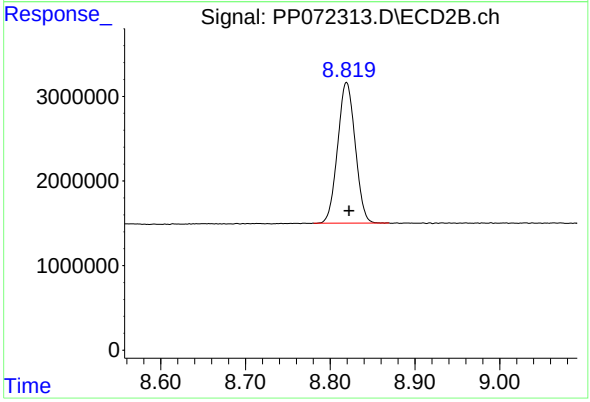

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 35808801
Conc: 22.40 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.005 min
Response: 36246476
Conc: 22.25 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.819 min
Delta R.T.: -0.003 min
Response: 23918705
Conc: 22.59 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | |
| Project: | NJ Soil PT | Date Received: | |
| Client Sample ID: | PB168154BL | SDG No.: | Q1872 |
| Lab Sample ID: | PB168154BL | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 1.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072411.D | 1 | 05/28/25 09:40 | 05/28/25 16:37 | PB168154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 116 | U | 116 | 500 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 119 | U | 119 | 500 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 109 | U | 109 | 500 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 118 | U | 118 | 500 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 174 | U | 174 | 500 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 94.4 | U | 94.4 | 500 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 148 | U | 148 | 500 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 106 | U | 106 | 500 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 95.0 | U | 95.0 | 500 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.9 | | 32 - 144 | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.8 | | 32 - 175 | 109% | 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_P\Data\PP052825\
Data File : PP072411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:37
Operator : YP\AJ
Sample : PB168154BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.795 | 37420988 | 33441597 | 18.610 | 20.922 |
| 2) | SA Decachlor... | 10.202 | 8.811 | 32365478 | 23045656 | 19.867 | 21.770 |
| | Target Compounds | | | | | | |

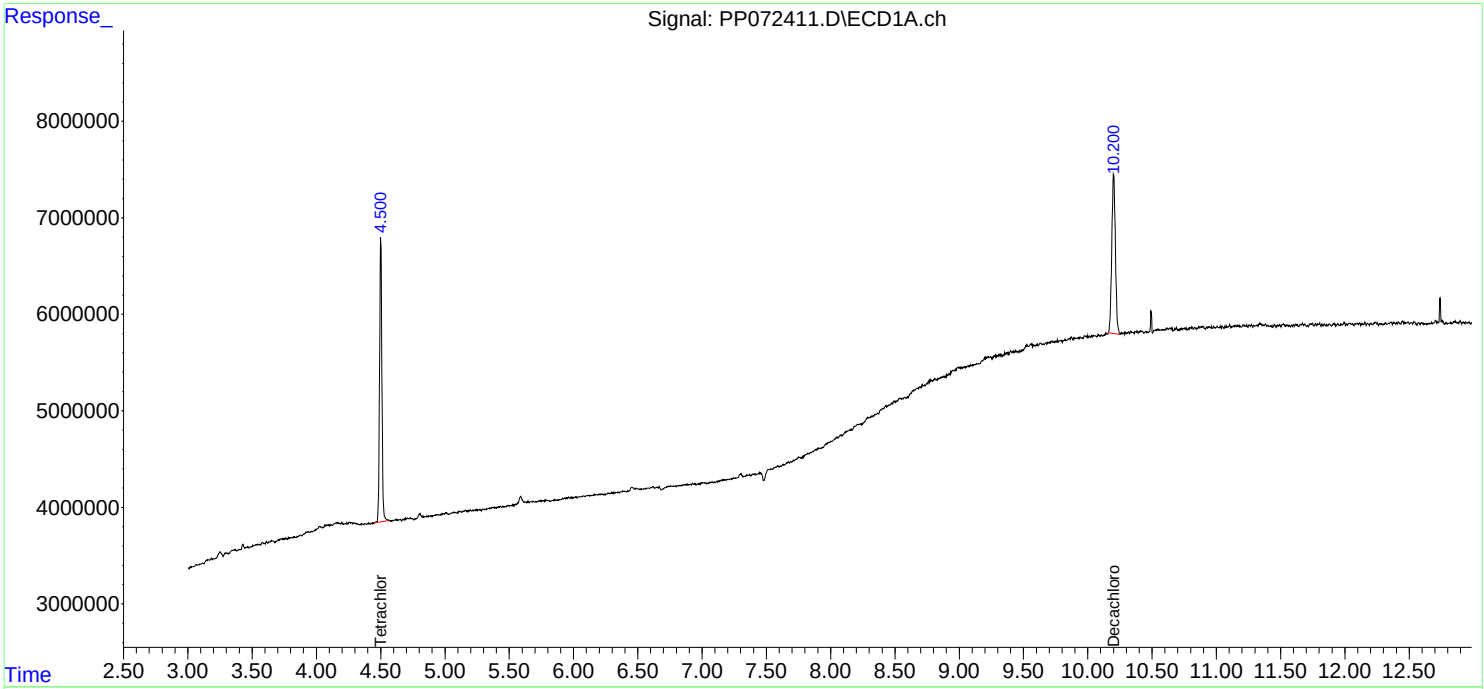
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

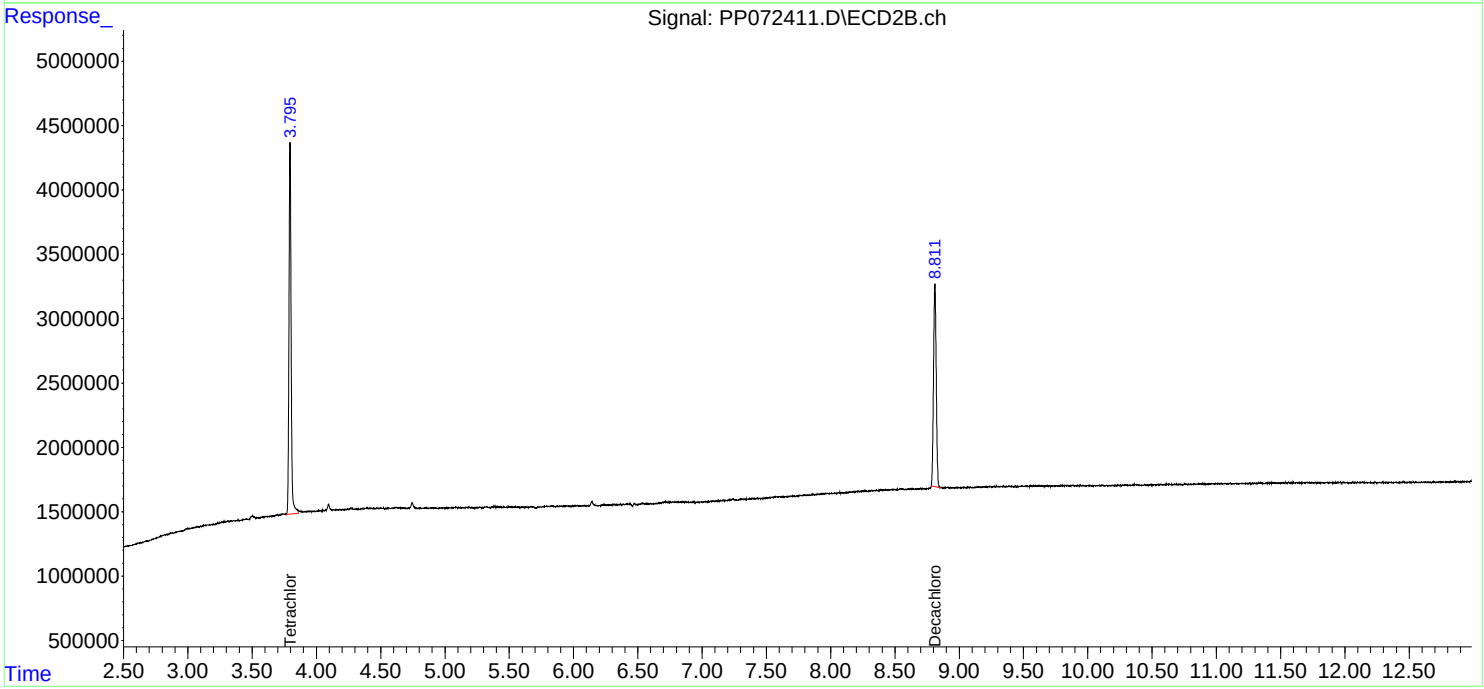
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:37
Operator : YP\AJ
Sample : PB168154BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

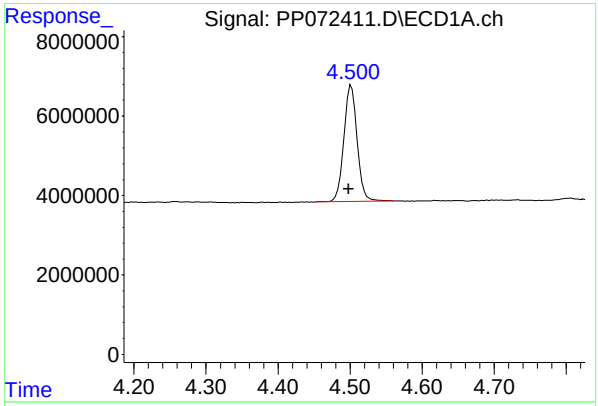
**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



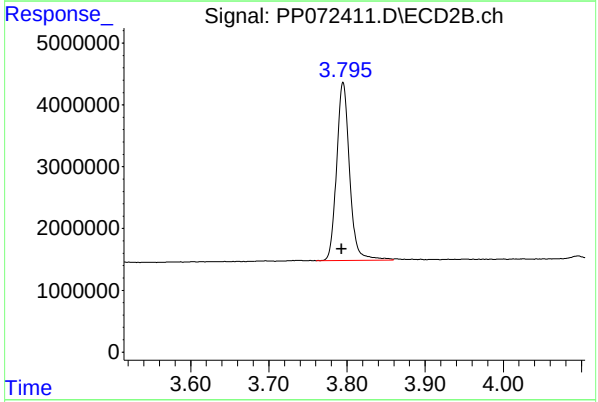






#1 Tetrachloro-m-xylene

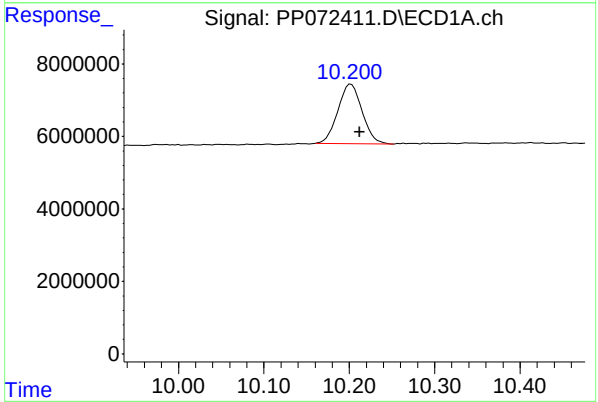
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 37420988
Conc: 18.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BL



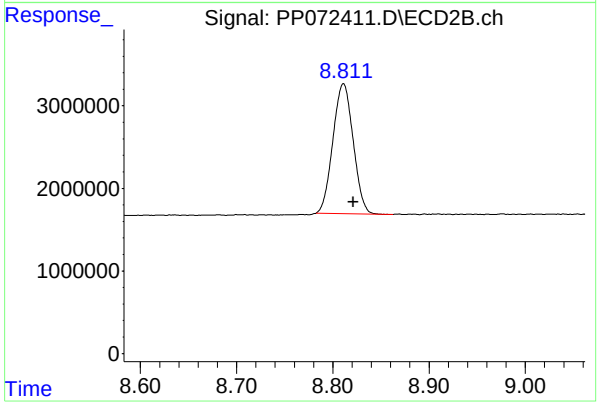

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 33441597
Conc: 20.92 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.202 min
Delta R.T.: -0.010 min
Response: 32365478
Conc: 19.87 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.811 min
Delta R.T.: -0.010 min
Response: 23045656
Conc: 21.77 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/19/25 |
| Project: | NJ Soil PT | Date Received: | 05/19/25 |
| Client Sample ID: | PIBLK-PP072163.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072163.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072163.D | 1 | | 05/19/25 | PP051925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 16.3 | | 60 - 140 | 82% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.7 | | 60 - 140 | 84% | 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_P\Data\PP051925\
Data File : PP072163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.495 | 3.788 | 32787184 | 26552565 | 16.306 | 16.612 |
| 2) | SA Decachlor... | 10.213 | 8.822 | 27208113 | 18027788 | 16.701 | 17.030 |
| | **Target Compounds** | | | | | | |

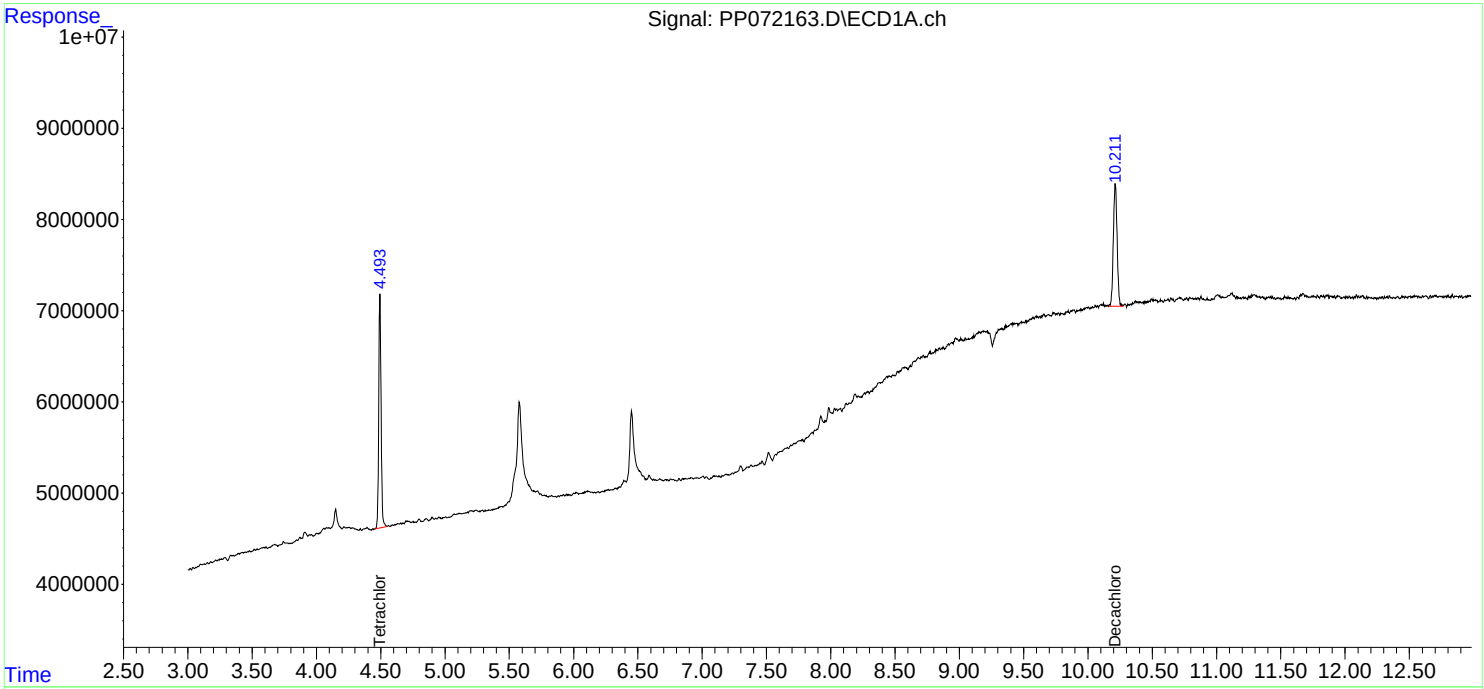
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

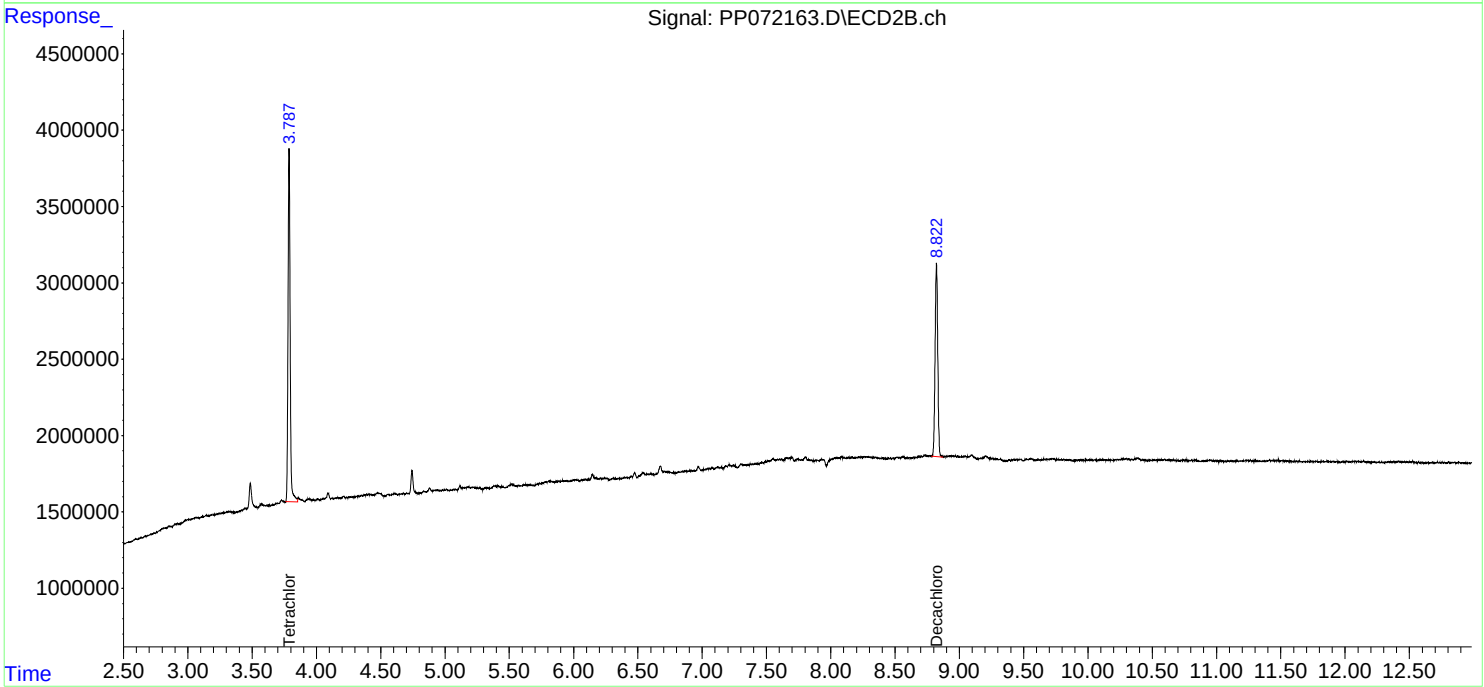
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

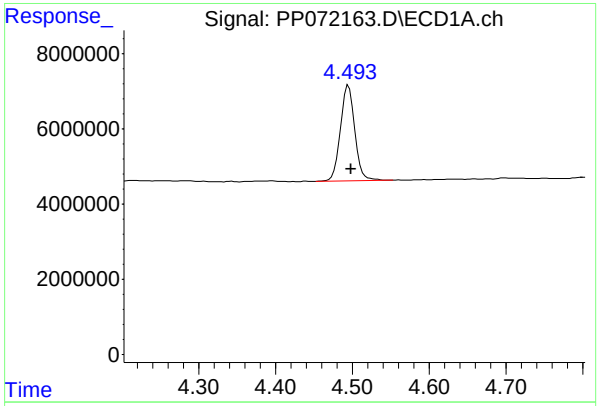
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



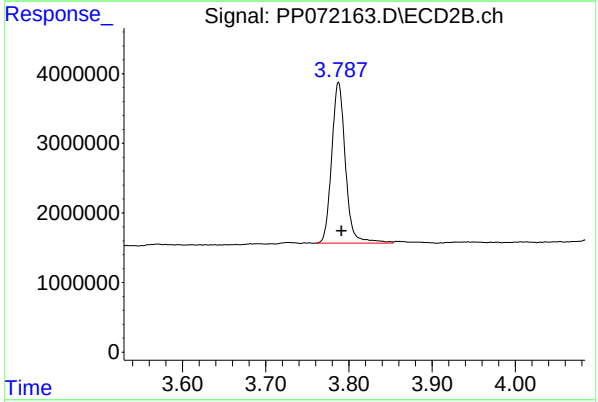






#1 Tetrachloro-m-xylene

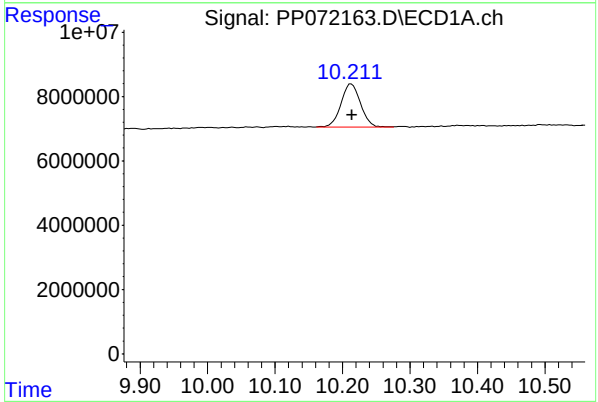
R.T.: 4.495 min
Delta R.T.: -0.003 min
Response: 32787184
Conc: 16.31 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



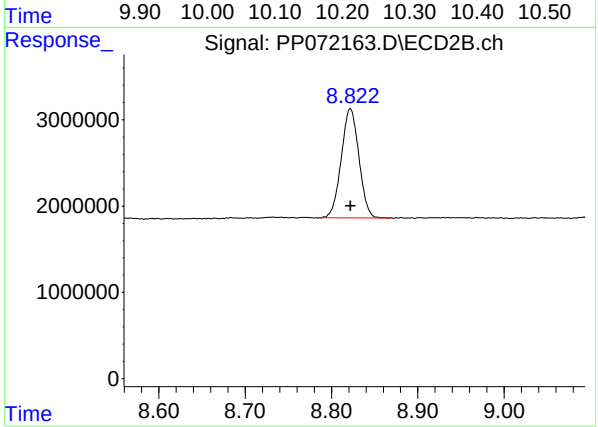

#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.004 min
Response: 26552565
Conc: 16.61 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 27208113
Conc: 16.70 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 18027788
Conc: 17.03 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/23/25 |
| Project: | NJ Soil PT | Date Received: | 05/23/25 |
| Client Sample ID: | PIBLK-PP072312.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072312.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072312.D | 1 | | 05/23/25 | pp052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.4 | | 60 - 140 | 92% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.3 | | 60 - 140 | 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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:33
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 13:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.797 | 37096268 | 31609541 | 18.449 | 19.776 |
| 2) | SA Decachlor... | 10.210 | 8.820 | 33026893 | 22971723 | 20.273 | 21.700 |
| | Target Compounds | | | | | | |

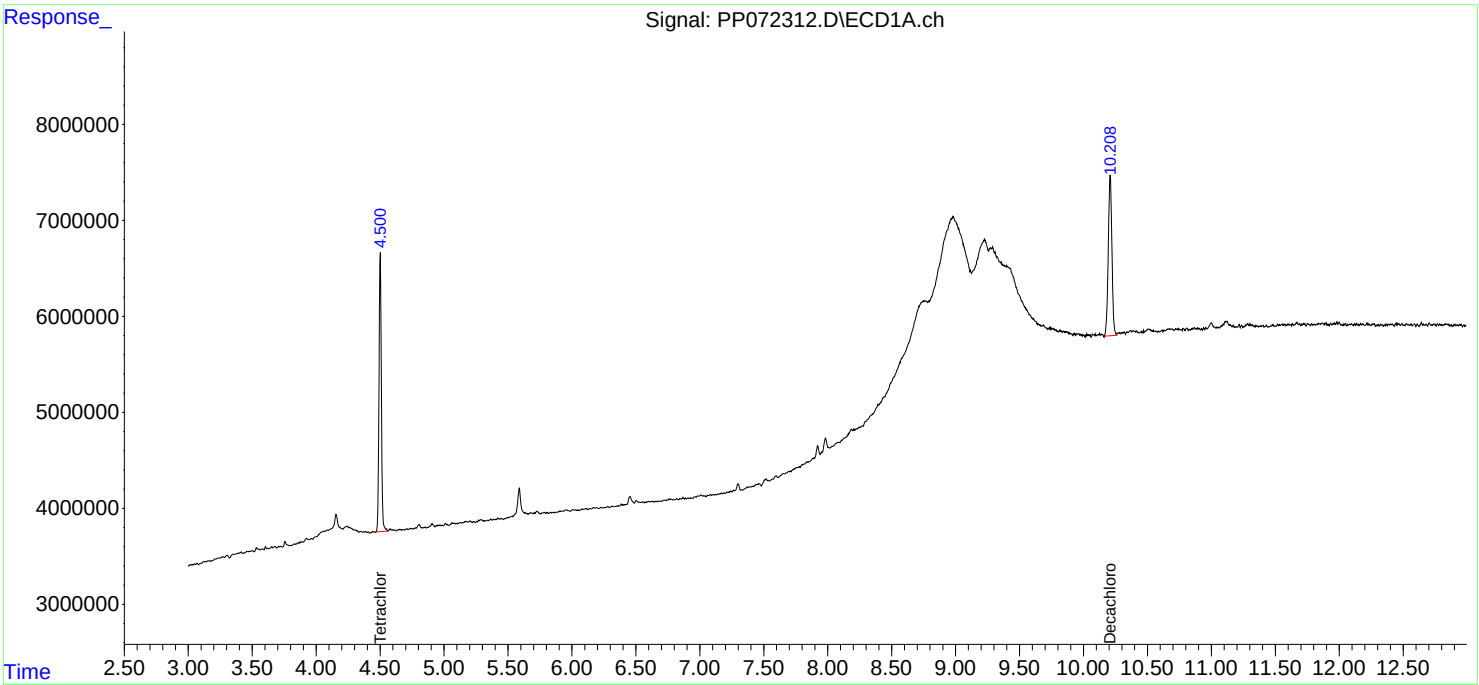
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

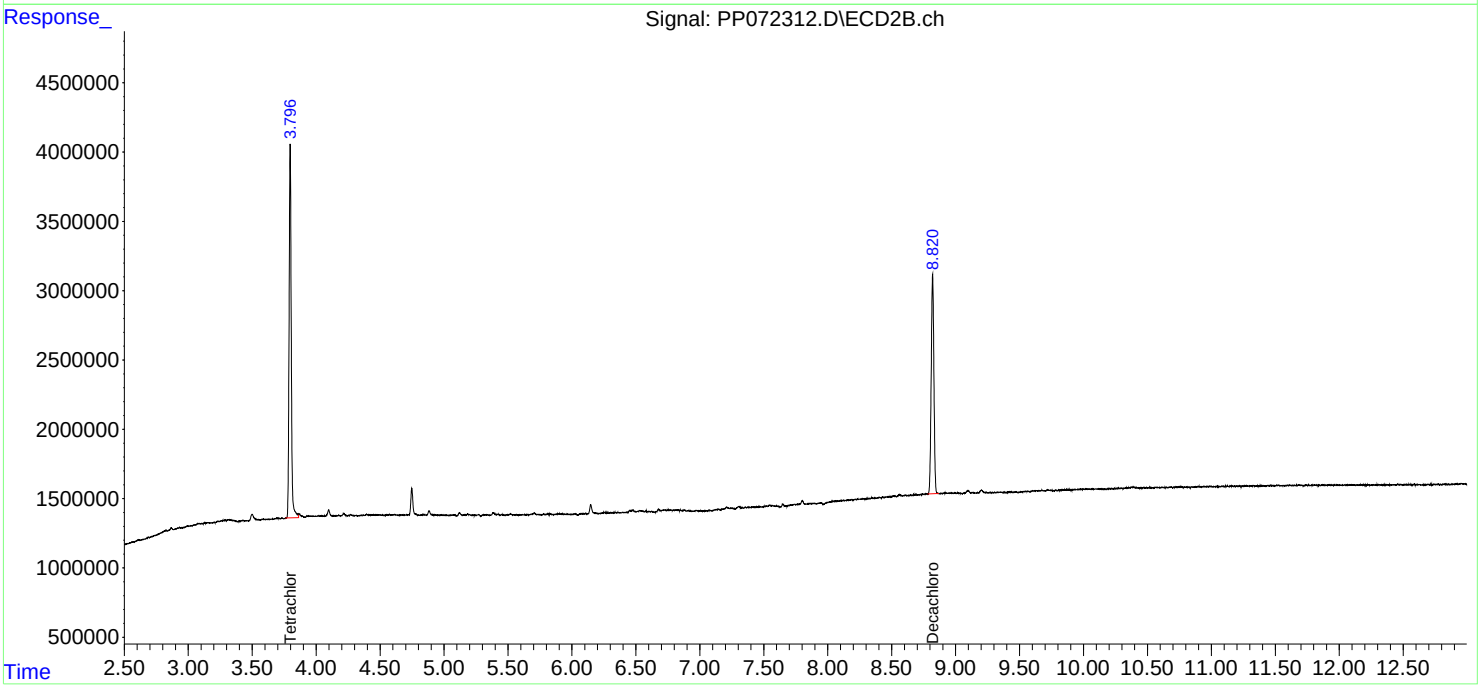
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:33
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

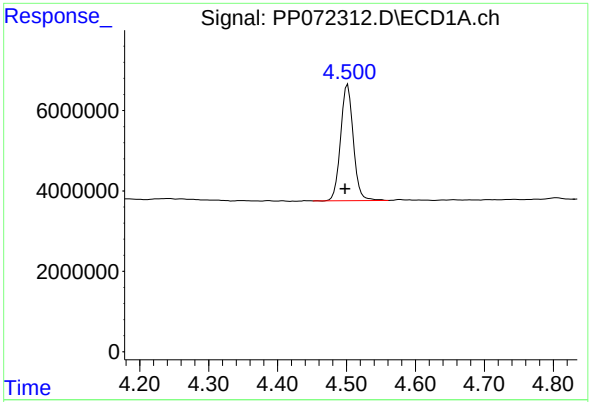
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 13:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



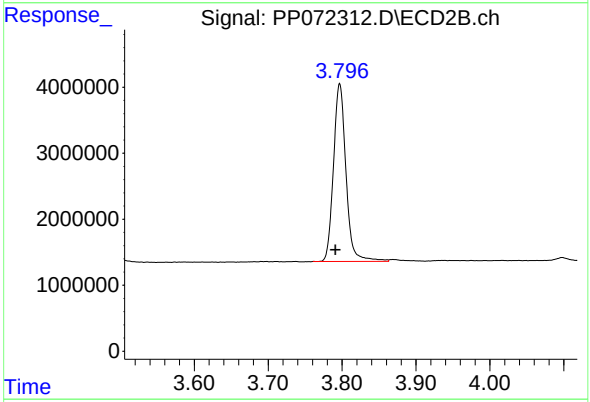






#1 Tetrachloro-m-xylene

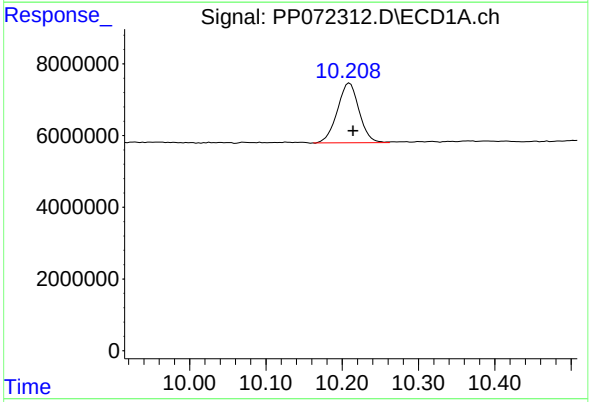
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 37096268
Conc: 18.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



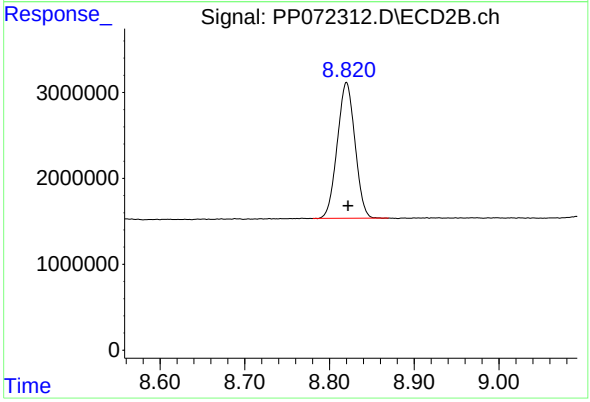

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 31609541
Conc: 19.78 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.004 min
Response: 33026893
Conc: 20.27 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 22971723
Conc: 21.70 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/23/25 |
| Project: | NJ Soil PT | Date Received: | 05/23/25 |
| Client Sample ID: | PIBLK-PP072326.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072326.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072326.D | 1 | | 05/23/25 | pp052325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.8 | | 60 - 140 | 89% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.0 | | 60 - 140 | 85% | 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_P\Data\PP052325\
Data File : PP072326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 18:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:36:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.499 | 3.797 | 35801269 | 31167260 | 17.804 | 19.500 |
| 2) | SA Decachlor... | 10.205 | 8.820 | 27700043 | 20334601 | 17.003 | 19.209 |
| | Target Compounds | | | | | | |

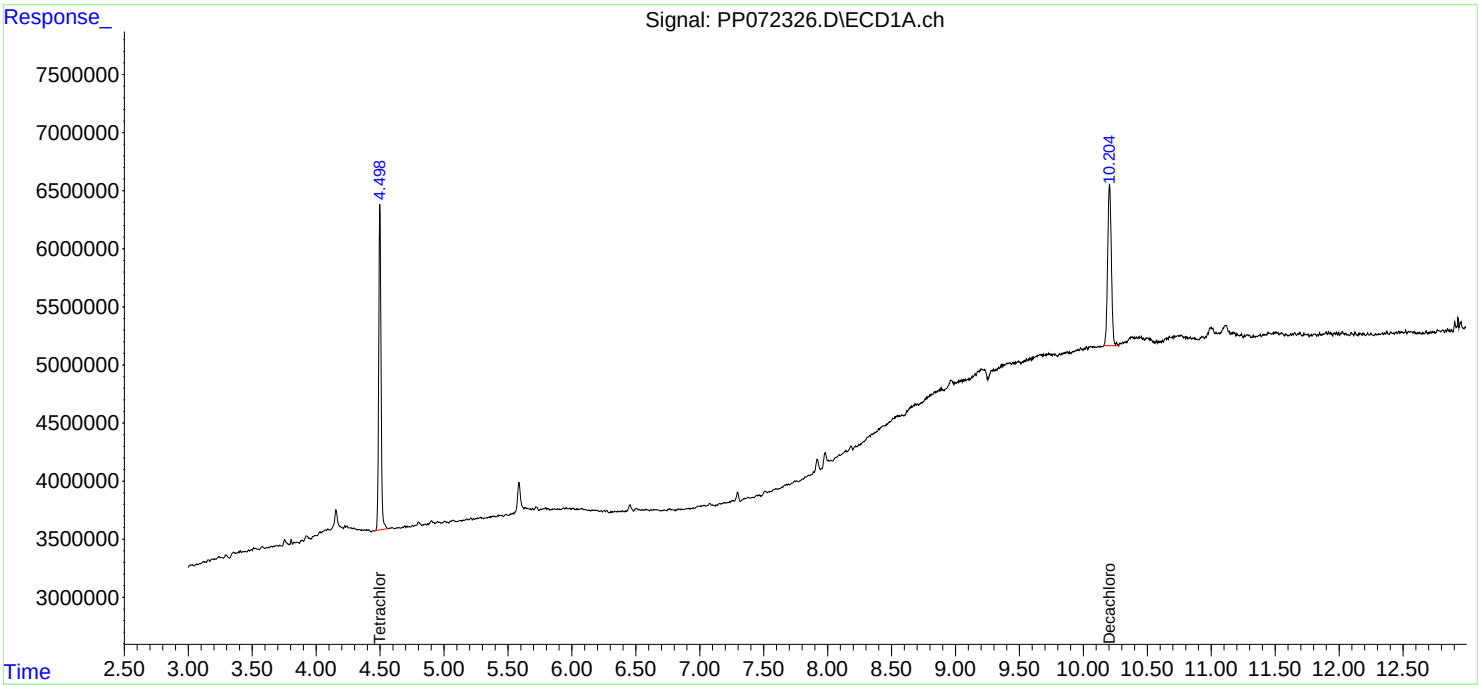
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

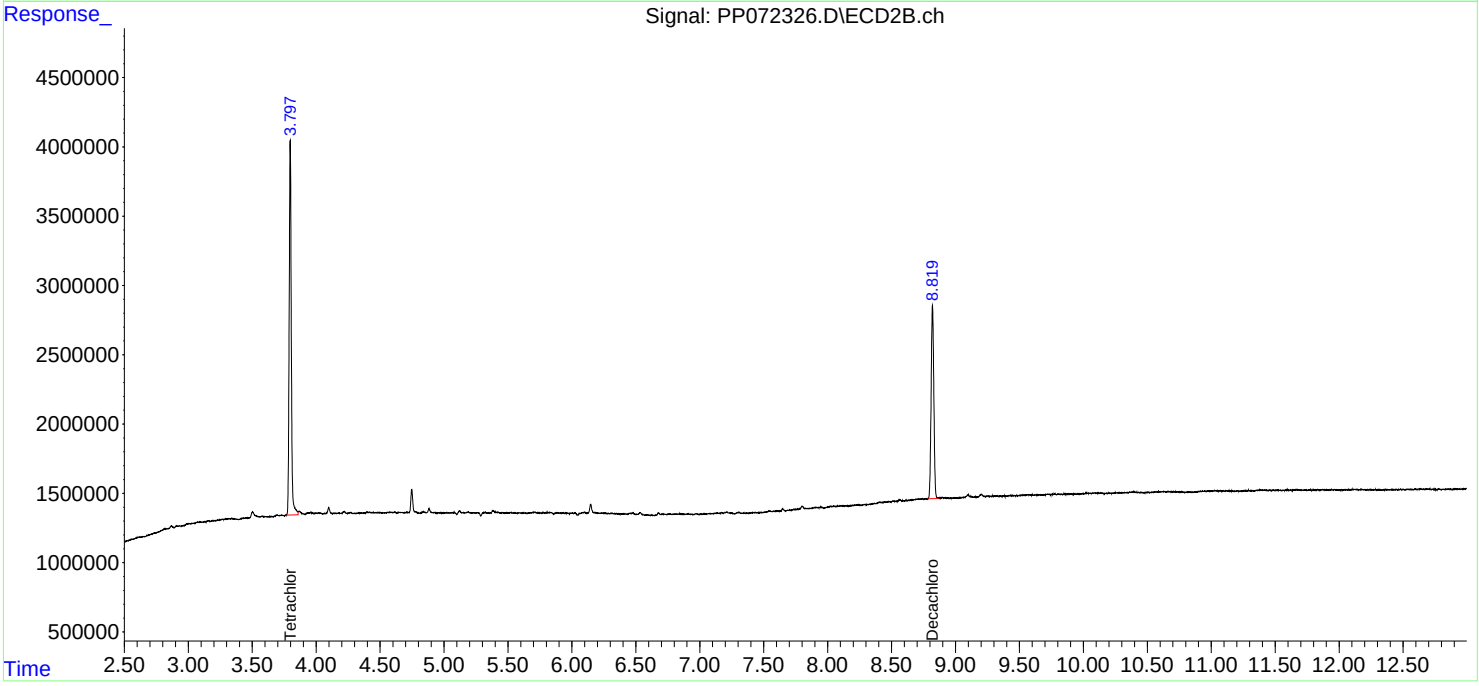
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 18:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

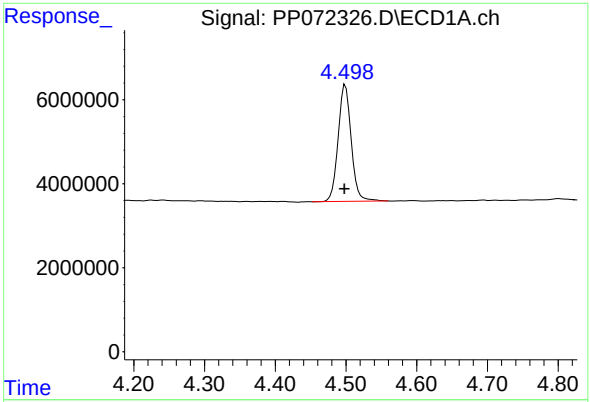
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:36:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



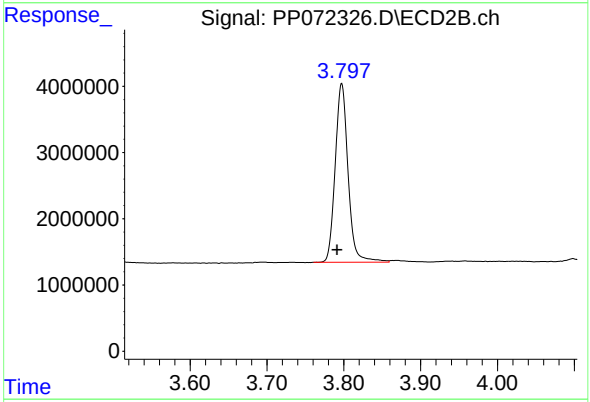






#1 Tetrachloro-m-xylene

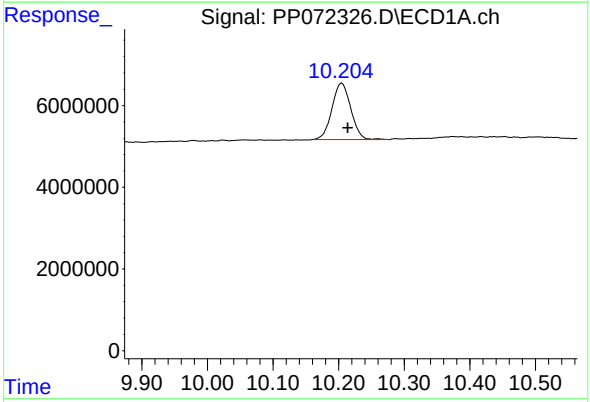
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 35801269
Conc: 17.80 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



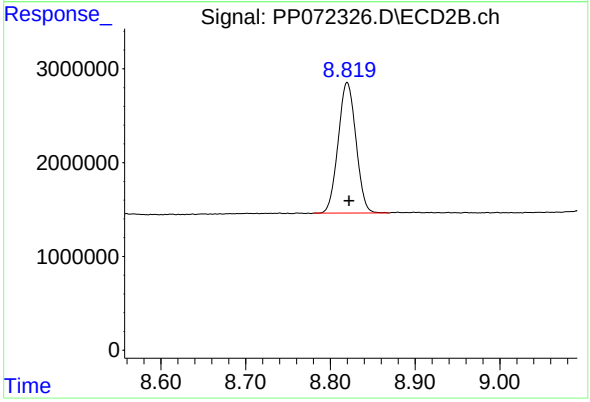

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 31167260
Conc: 19.50 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.009 min
Response: 27700043
Conc: 17.00 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 20334601
Conc: 19.21 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/23/25 |
| Project: | NJ Soil PT | Date Received: | 05/23/25 |
| Client Sample ID: | PIBLK-PP072340.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072340.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072340.D | 1 | | 05/23/25 | PP052425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.7 | | 60 - 140 | 88% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.7 | | 60 - 140 | 88% | 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_P\Data\PP052425\
Data File : PP072340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 23:54
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:42:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.499 | 3.797 | 35566142 | 30183004 | 17.688 | 18.884 |
| 2) | SA Decachlor... | 10.203 | 8.817 | 28782922 | 21847645 | 17.668 | 20.638 |
| | Target Compounds | | | | | | |

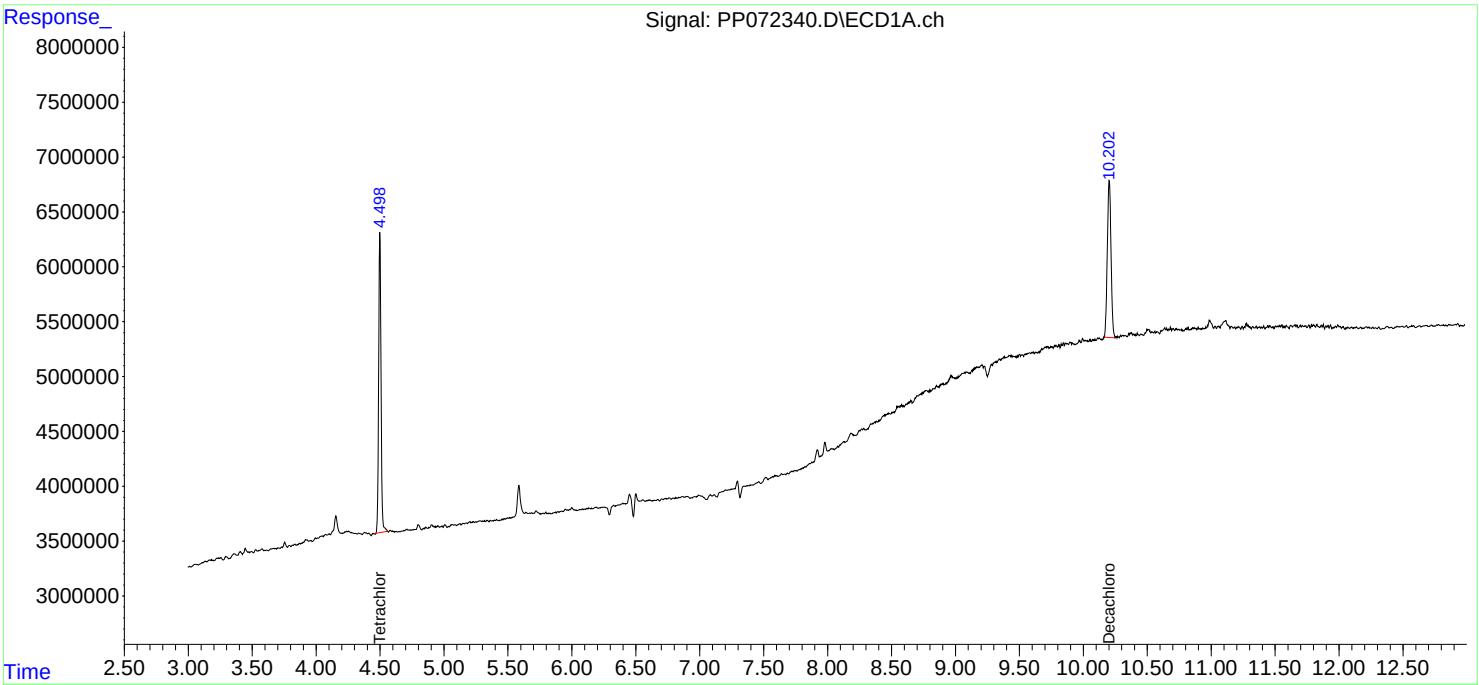
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

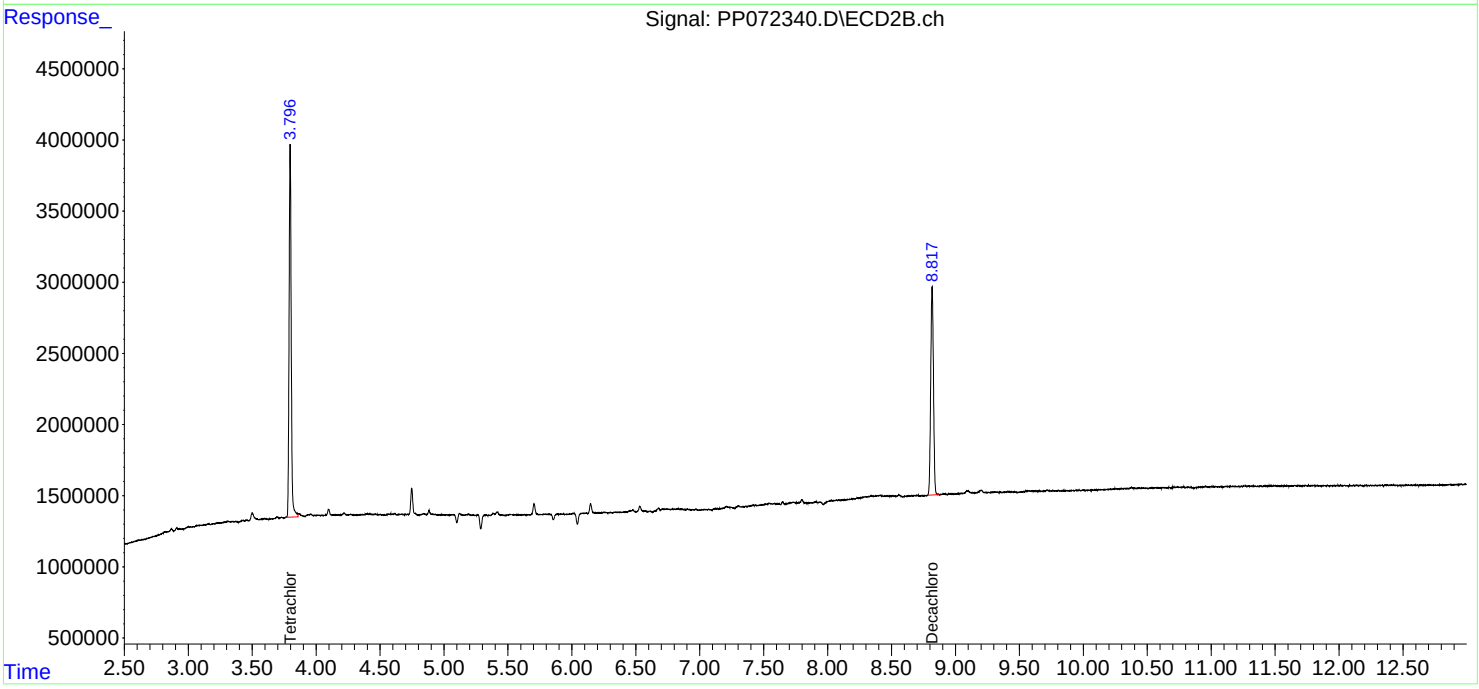
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 23:54
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

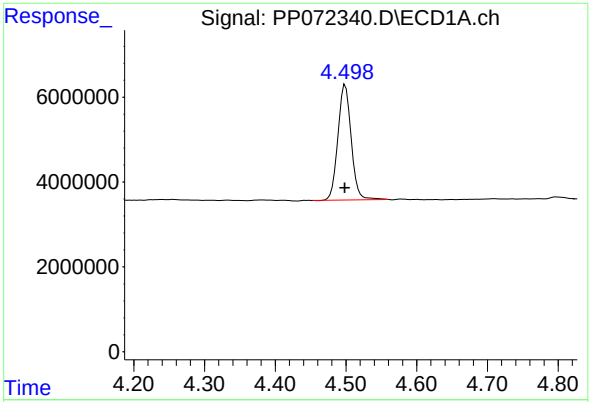
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:42:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



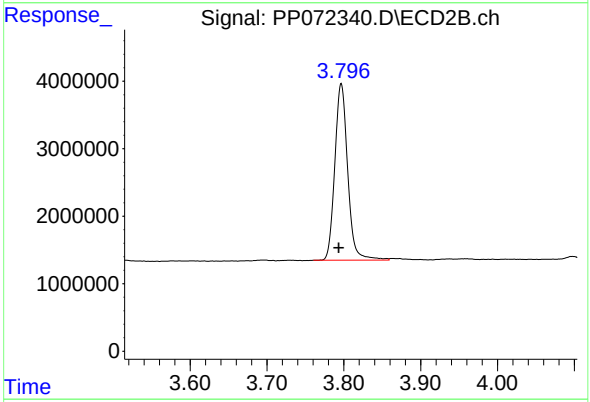






#1 Tetrachloro-m-xylene

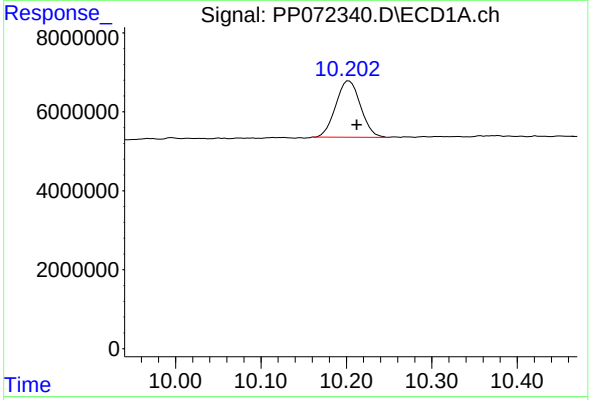
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 35566142
Conc: 17.69 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



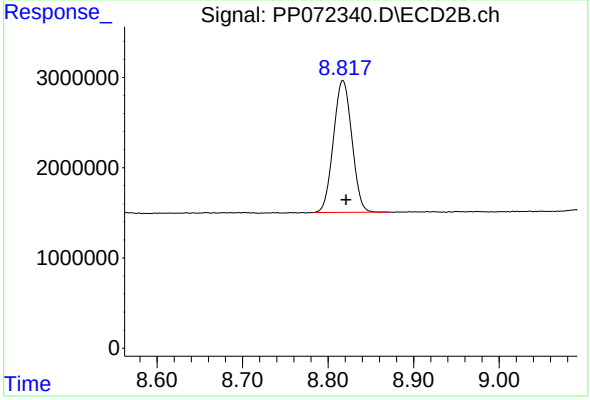

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.003 min
Response: 30183004
Conc: 18.88 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.203 min
Delta R.T.: -0.009 min
Response: 28782922
Conc: 17.67 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 21847645
Conc: 20.64 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/24/25 |
| Project: | NJ Soil PT | Date Received: | 05/24/25 |
| Client Sample ID: | PIBLK-PP072349.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072349.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072349.D | 1 | | 05/24/25 | PP052425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15.3 | | 60 - 140 | 76% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 15.4 | | 60 - 140 | 77% | 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_P\Data\PP052425\
Data File : PP072349.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 03:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:04:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.797 | 30695654 | 26517759 | 15.265 | 16.591 |
| 2) | SA Decachlor... | 10.205 | 8.818 | 25151333 | 19653608 | 15.439 | 18.566 |
| | Target Compounds | | | | | | |

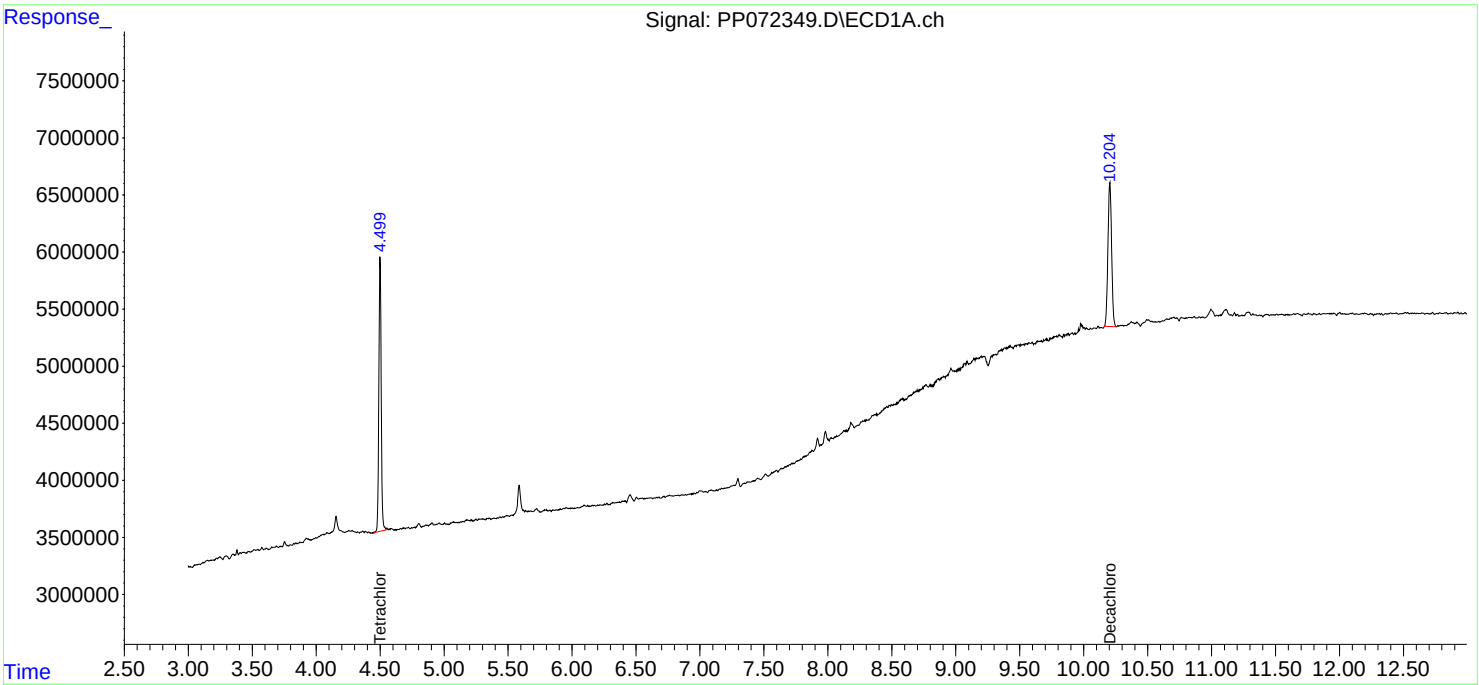
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

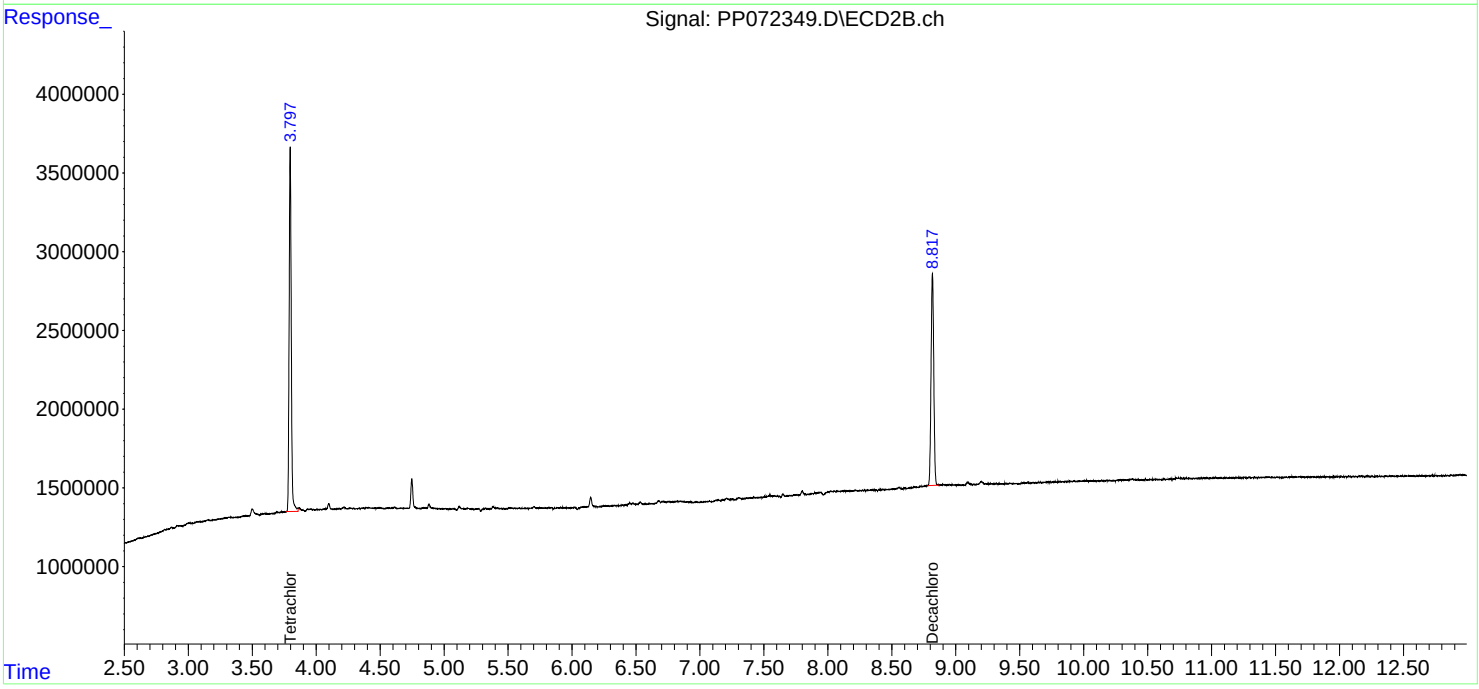
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072349.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 03:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

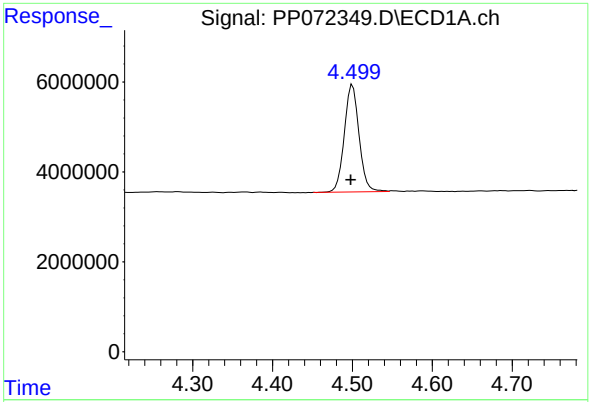
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:04:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



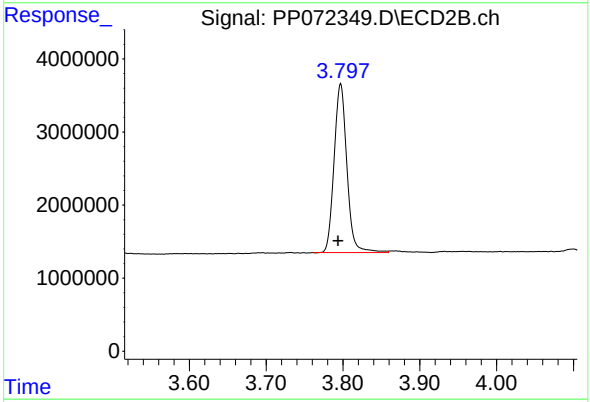






#1 Tetrachloro-m-xylene

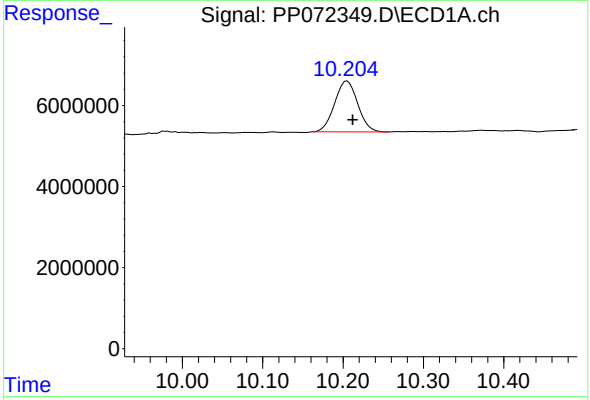
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 30695654
Conc: 15.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



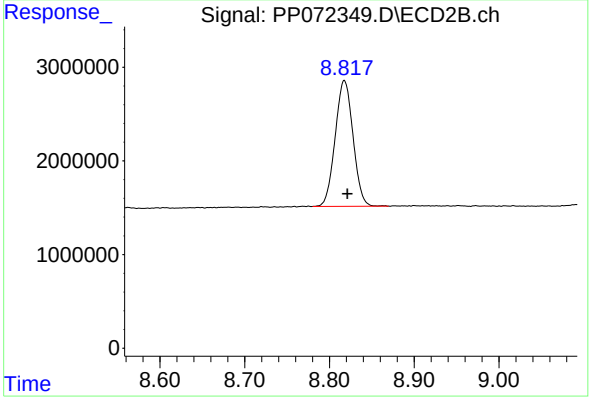

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.003 min
Response: 26517759
Conc: 16.59 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.007 min
Response: 25151333
Conc: 15.44 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 19653608
Conc: 18.57 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/24/25 |
| Project: | NJ Soil PT | Date Received: | 05/24/25 |
| Client Sample ID: | PIBLK-PP072358.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072358.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072358.D | 1 | | 05/24/25 | PP052425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15.3 | | 60 - 140 | 77% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 15.8 | | 60 - 140 | 79% | 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_P\Data\PP052425\
Data File : PP072358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:10:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.796 | 30784309 | 26322547 | 15.309 | 16.468 |
| 2) | SA Decachlor... | 10.205 | 8.817 | 25825671 | 19416648 | 15.852 | 18.342 |
| | Target Compounds | | | | | | |

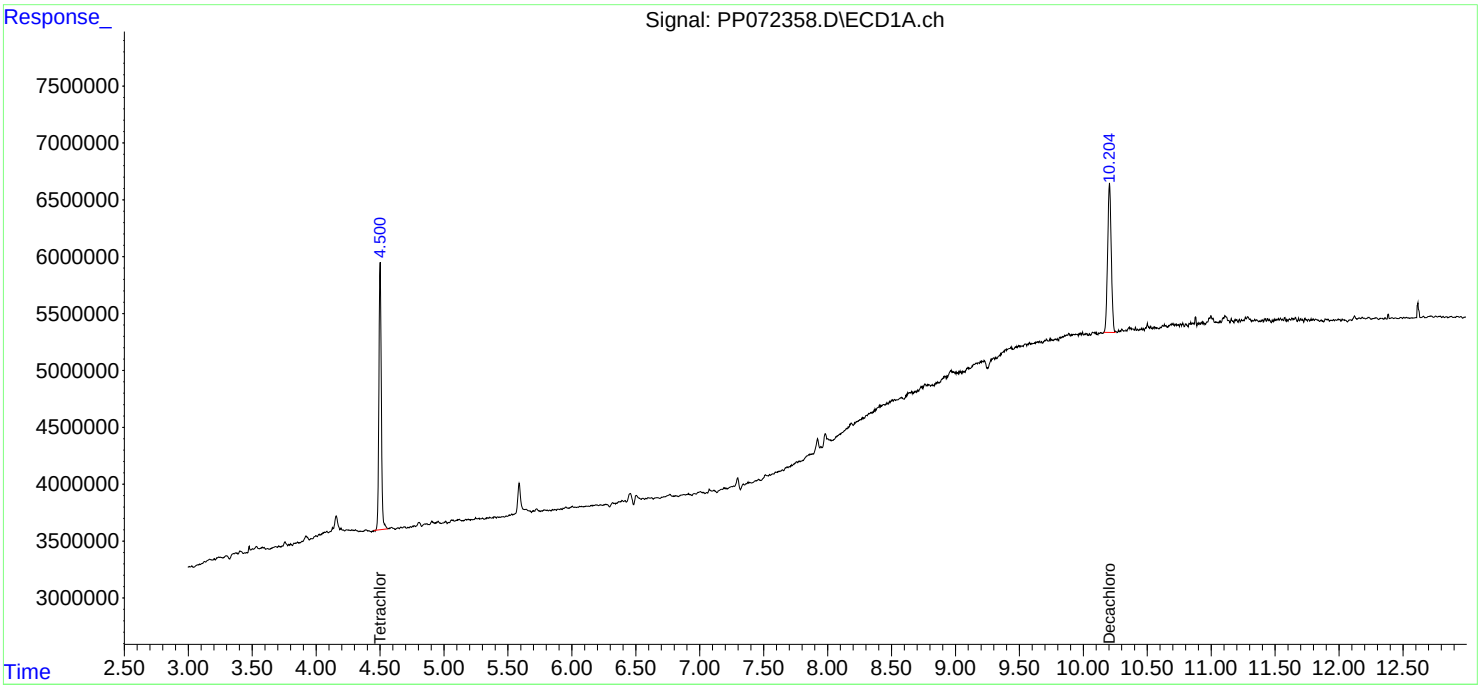
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

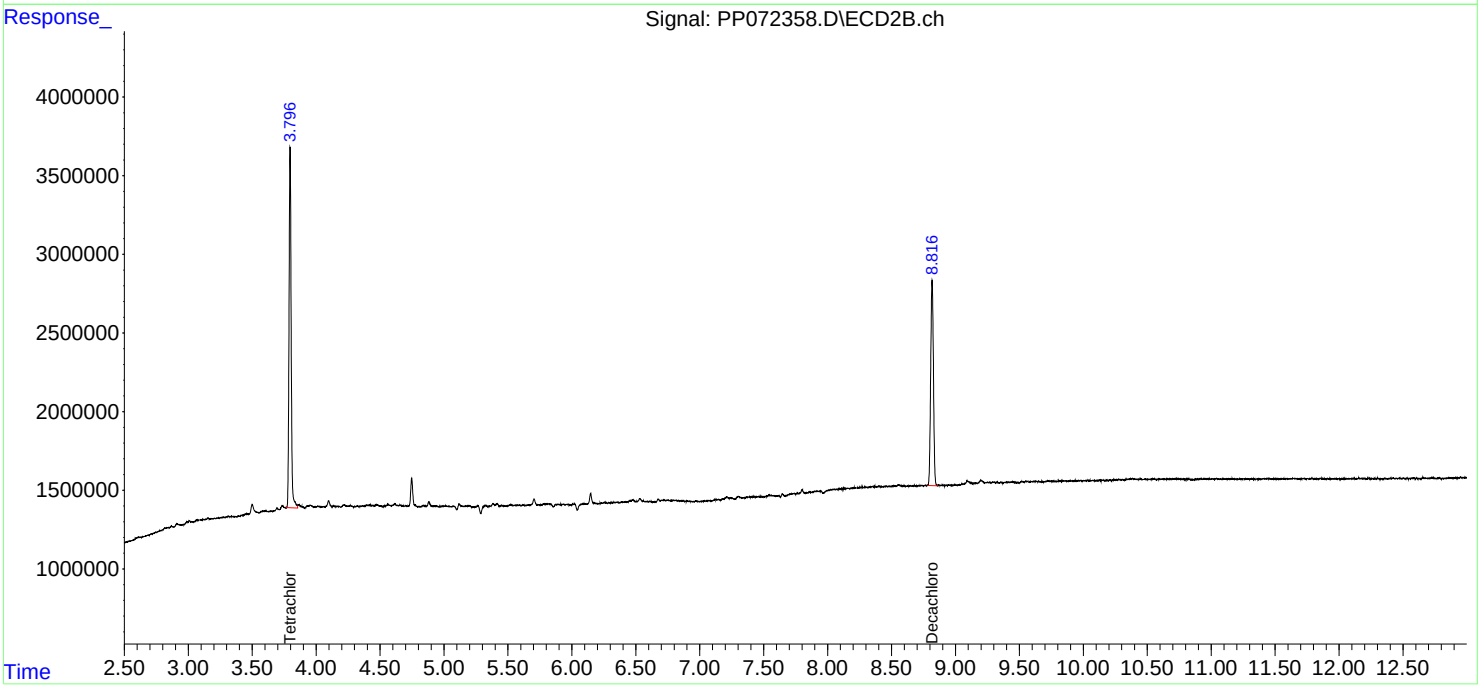
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

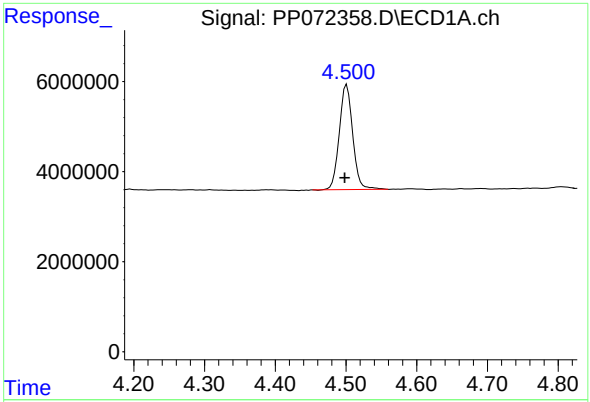
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:10:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



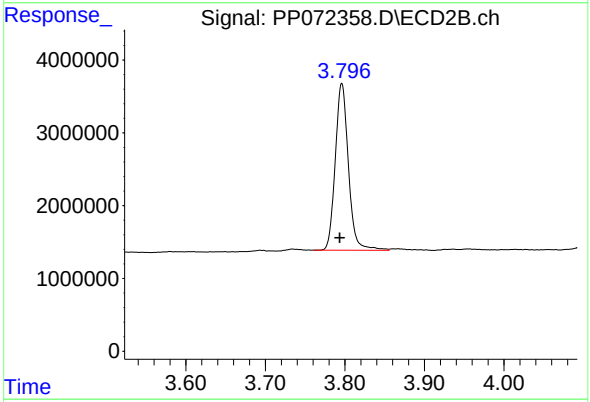






#1 Tetrachloro-m-xylene

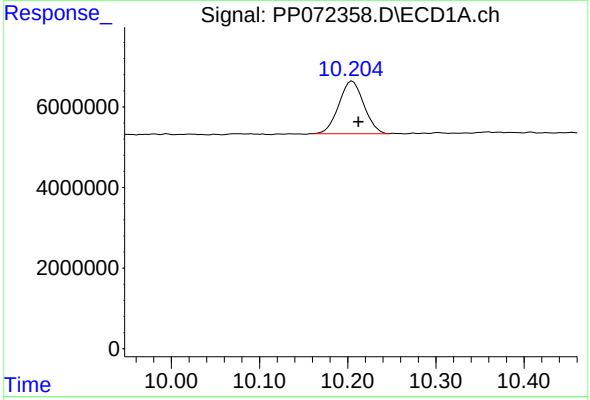
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 30784309
Conc: 15.31 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



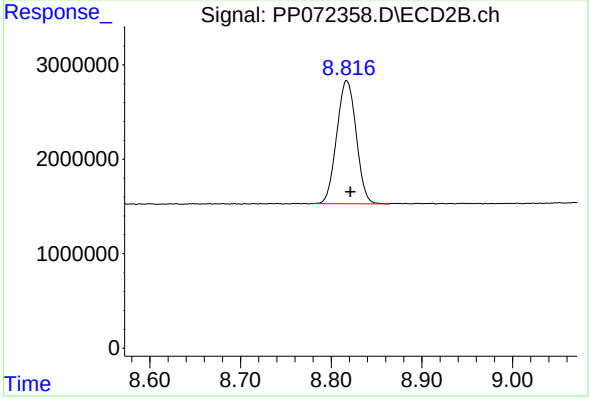

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 26322547
Conc: 16.47 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.007 min
Response: 25825671
Conc: 15.85 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 19416648
Conc: 18.34 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/28/25 |
| Project: | NJ Soil PT | Date Received: | 05/28/25 |
| Client Sample ID: | PIBLK-PP072410.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072410.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072410.D | 1 | | 05/28/25 | pp052825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 16.7 | | 60 - 140 | 84% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.1 | | 60 - 140 | 90% | 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_P\Data\PP052825\
Data File : PP072410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.498 | 3.796 | 33641259 | 29188706 | 16.730 | 18.262 |
| 2) | SA Decachlor... | 10.196 | 8.812 | 29401018 | 21519032 | 18.047m | 20.328 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

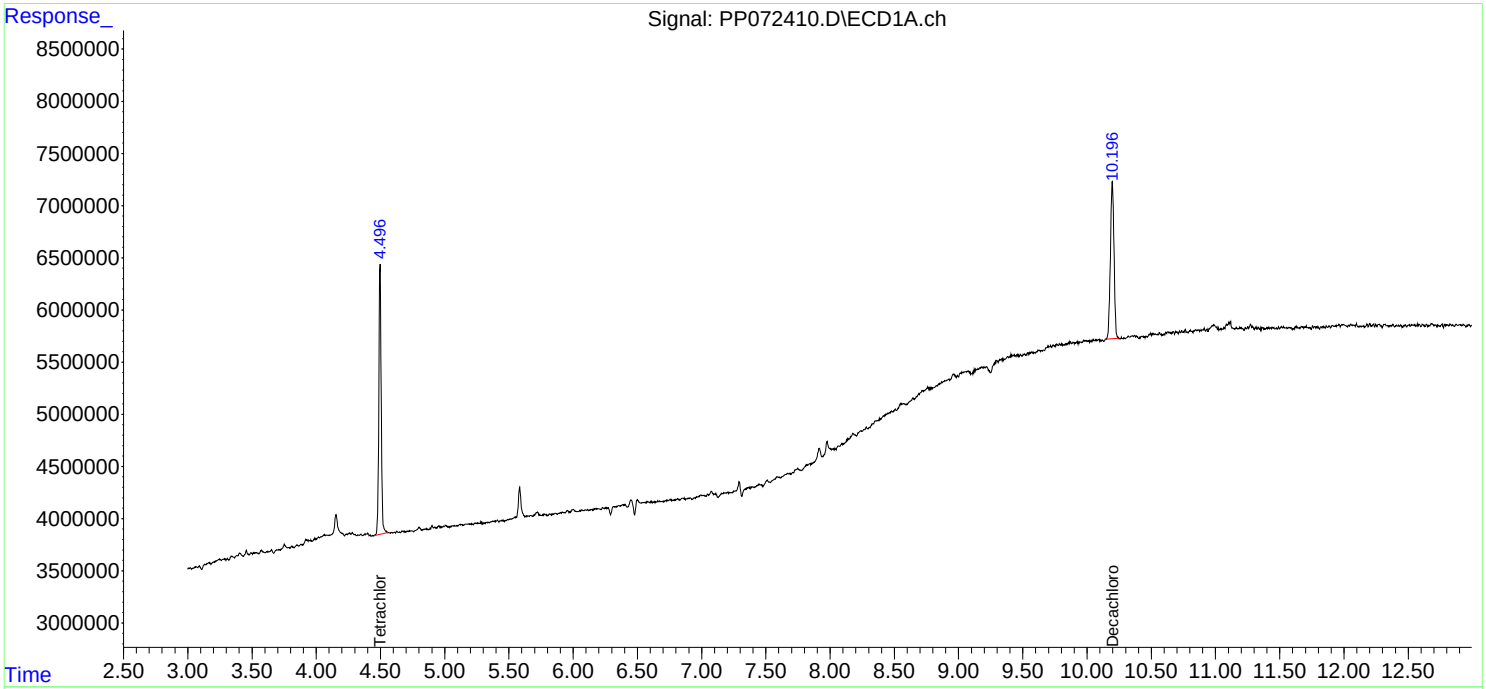
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

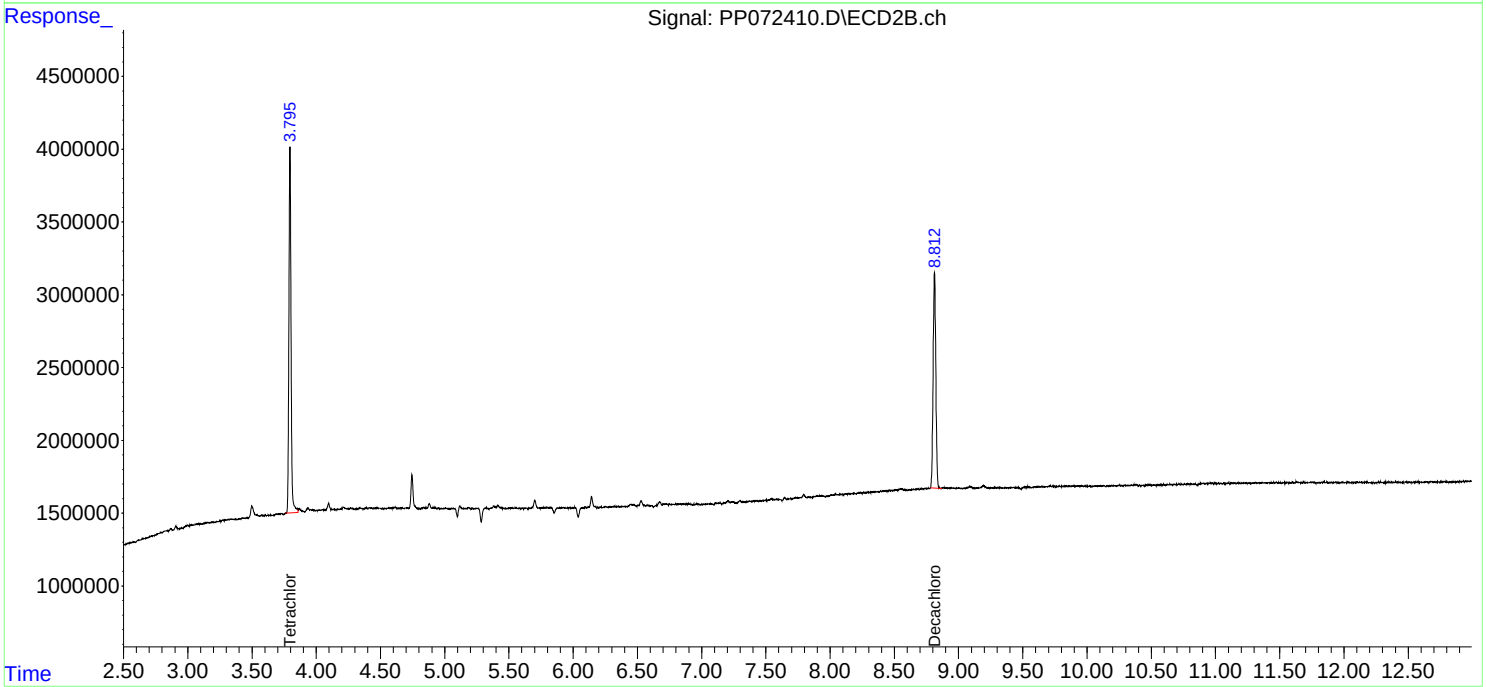
**Manual Integrations APPROVED**

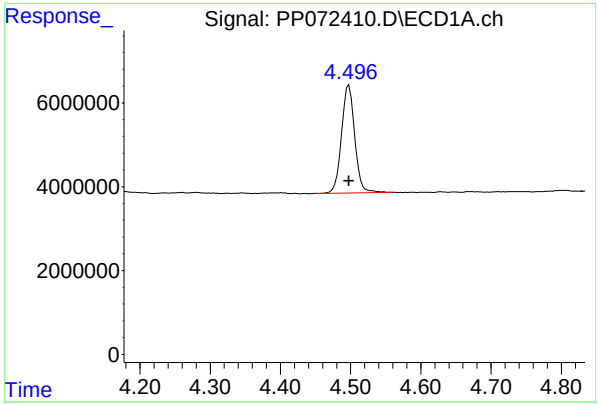
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





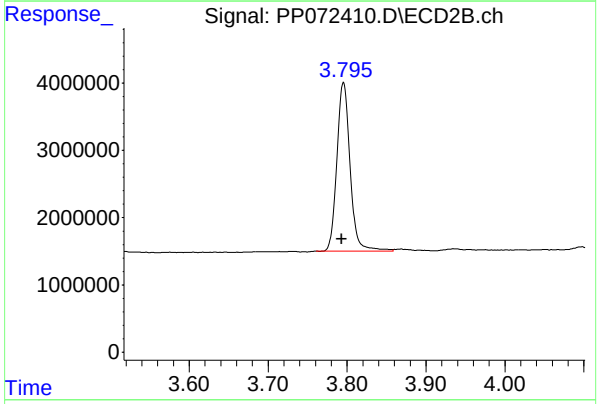

#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 mi
Response: 33641259
Conc: 16.73 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

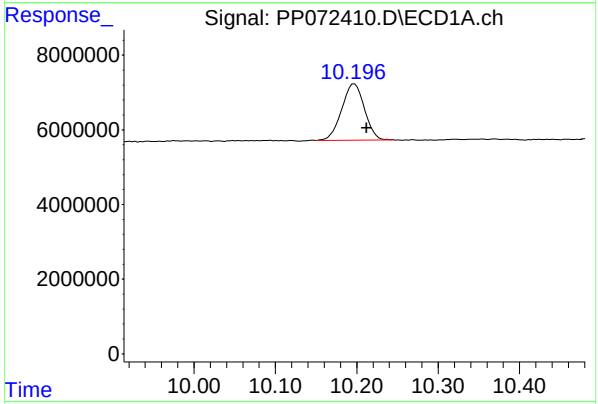
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



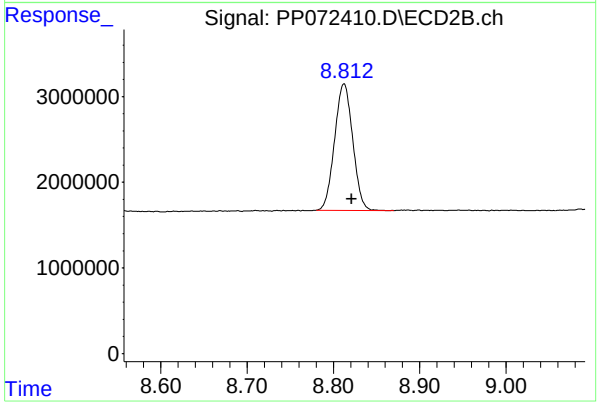

#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 29188706
Conc: 18.26 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.016 min
Response: 29401018
Conc: 18.05 ng/ml m




#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 21519032
Conc: 20.33 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/28/25 |
| Project: | NJ Soil PT | Date Received: | 05/28/25 |
| Client Sample ID: | PIBLK-PP072423.D | SDG No.: | Q1872 |
| Lab Sample ID: | I.BLK-PP072423.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072423.D | 1 | | 05/28/25 | pp052825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15.8 | | 60 - 140 | 79% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.0 | | 60 - 140 | 85% | 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_P\Data\PP052825\
Data File : PP072423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 22:03
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.499 | 3.794 | 31768758 | 25594473 | 15.799 | 16.013 |
| 2) | SA Decachlor... | 10.200 | 8.812 | 27670290 | 20137364 | 16.985 | 19.023 |
| | Target Compounds | | | | | | |

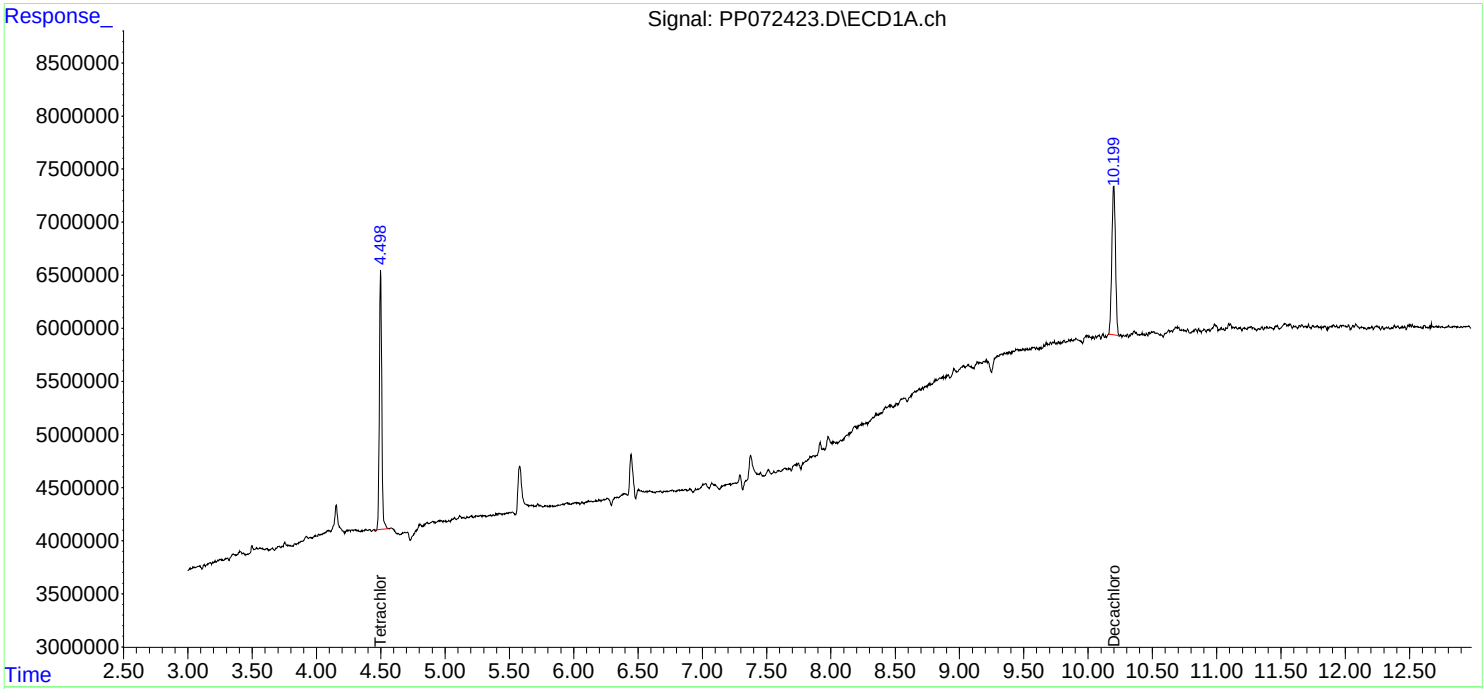
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

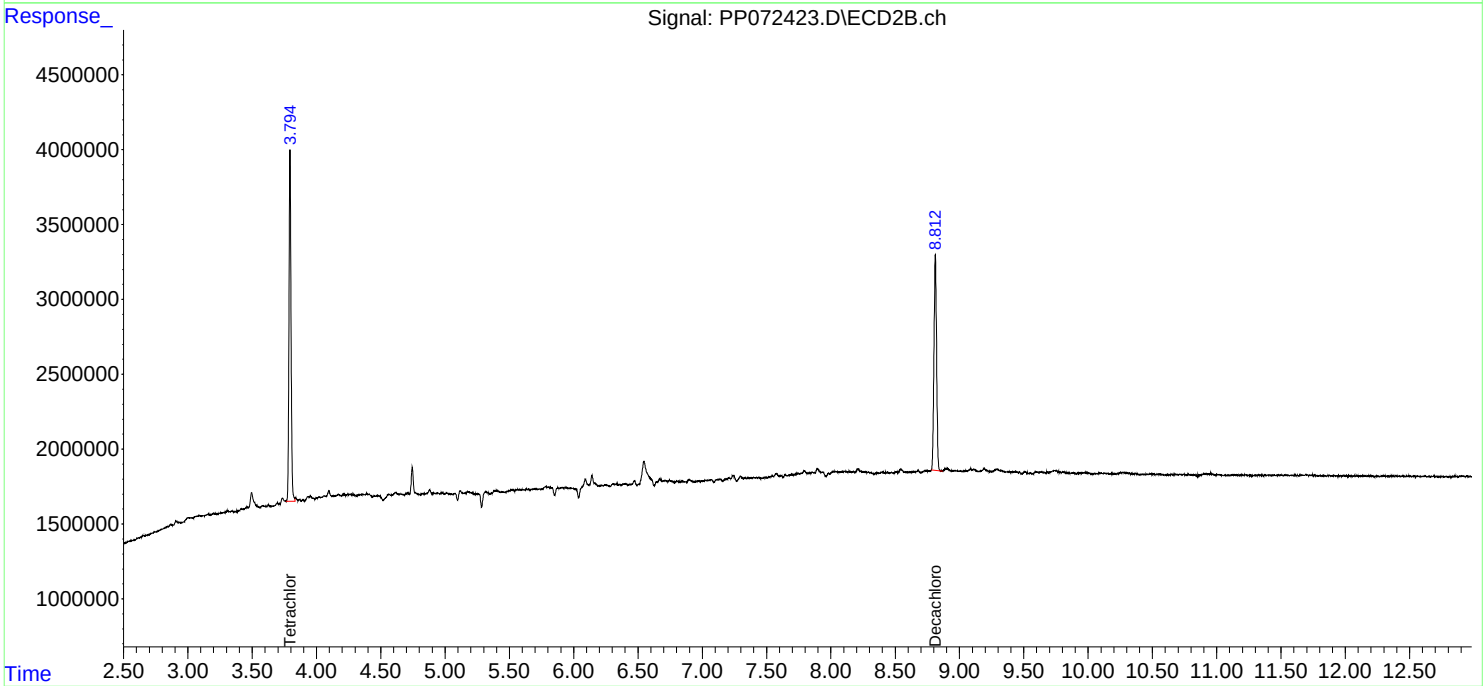
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 22:03
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

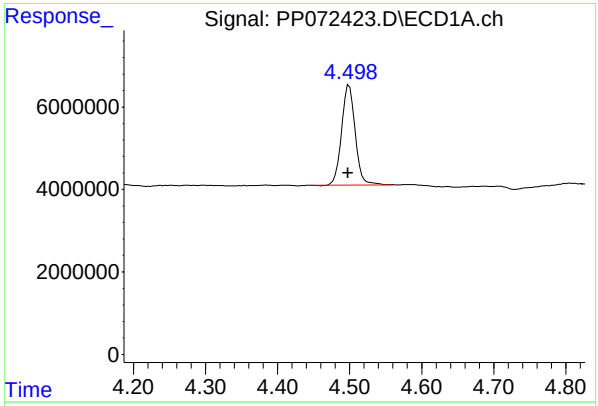
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



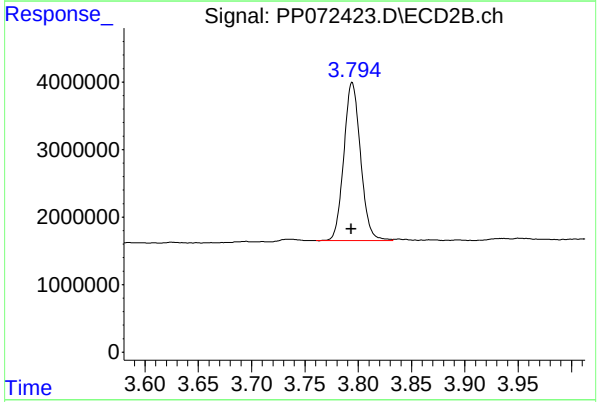






#1 Tetrachloro-m-xylene

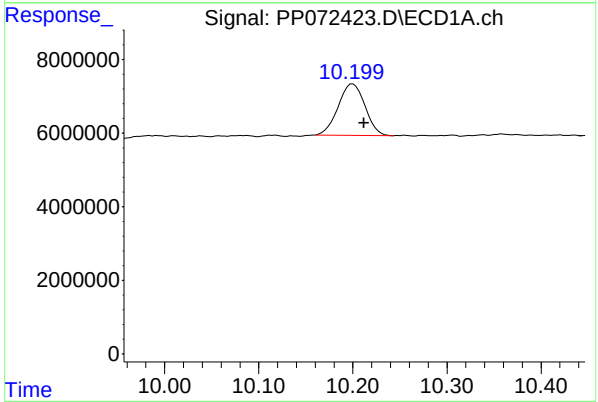
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 31768758
Conc: 15.80 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



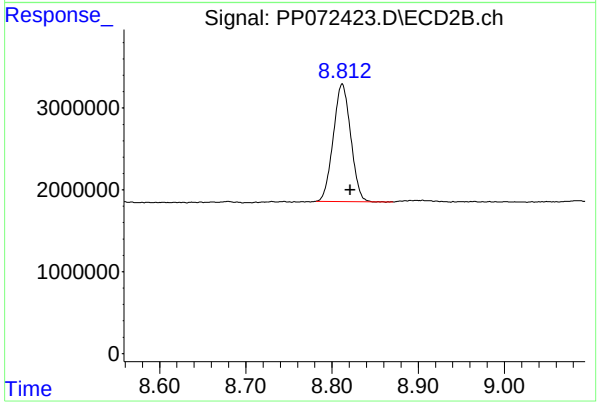

#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 25594473
Conc: 16.01 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 27670290
Conc: 16.98 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 20137364
Conc: 19.02 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | |
| Project: | NJ Soil PT | Date Received: | |
| Client Sample ID: | PB168149BS | SDG No.: | Q1872 |
| Lab Sample ID: | PB168149BS | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072314.D | 1 | 05/23/25 09:18 | 05/23/25 14:06 | PB168149 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 125 | | 3.90 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.70 | U | 3.70 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 5.90 | U | 5.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.00 | U | 5.00 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 3.60 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 135 | | 3.20 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.5 | | 32 - 144 | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 24.4 | | 32 - 175 | 122% | 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_P\Data\PP052325\
Data File : PP072314.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 14:06
Operator : YP\AJ
Sample : PB168149BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:27:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.501 | 3.797 | 43301897 | 33870835 | 21.535 | 21.191 |
| 2) | SA Decachlor... | 10.207 | 8.820 | 36911842 | 25799512 | 22.657 | 24.371 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.654 | 4.880 | 26716298 | 22927003 | 355.820 | 373.224 |
| 4) | L1 AR-1016-2 | 5.676 | 4.898 | 40254961 | 33014768 | 376.244 | 376.068 |
| 5) | L1 AR-1016-3 | 5.738 | 5.075 | 24274745 | 18215515 | 370.240 | 382.241 |
| 6) | L1 AR-1016-4 | 5.836 | 5.116 | 20520025 | 14622734 | 385.208 | 384.350 |
| 7) | L1 AR-1016-5 | 6.128 | 5.331 | 18238095 | 18279418 | 372.897 | 366.877 |
| 31) | L7 AR-1260-1 | 7.246 | 6.364 | 37003969 | 34105535 | 395.364 | 427.636 |
| 32) | L7 AR-1260-2 | 7.499 | 6.553 | 56102746 | 40906480 | 390.988 | 403.329 |
| 33) | L7 AR-1260-3 | 7.858 | 6.705 | 38626973 | 37445593 | 339.218 | 430.893 # |
| 34) | L7 AR-1260-4 | 8.082 | 7.175 | 39762590 | 28022617 | 370.565 | 388.712 |
| 35) | L7 AR-1260-5 | 8.401 | 7.417 | 85534601 | 65689919 | 361.421 | 378.346 |

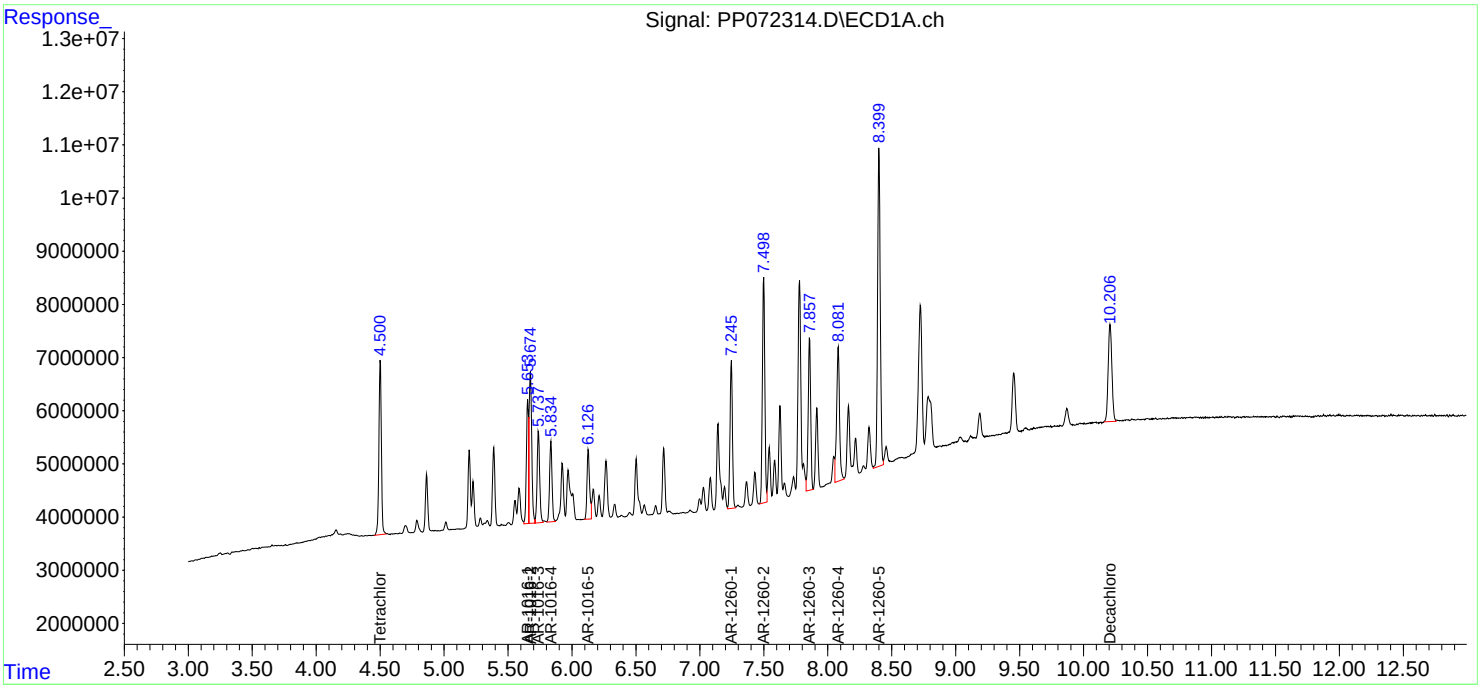
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

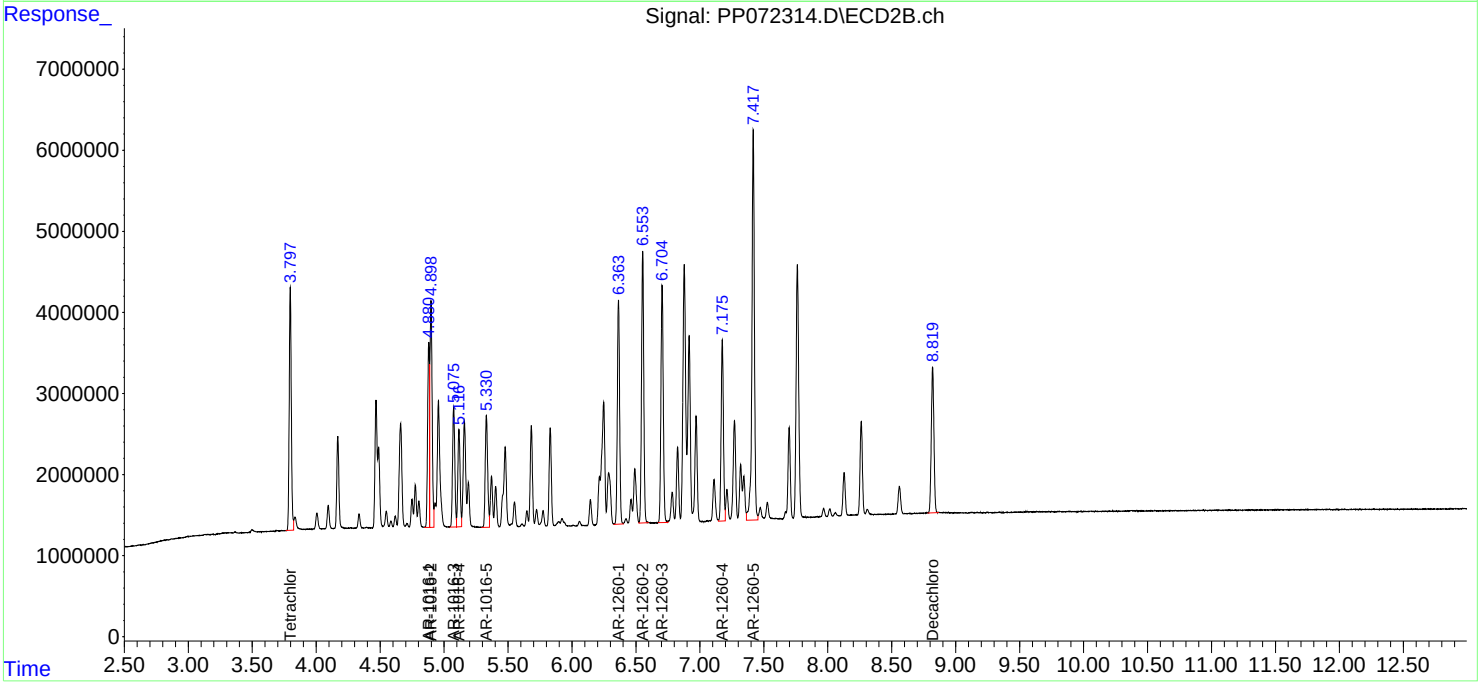
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072314.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 14:06
Operator : YP\AJ
Sample : PB168149BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

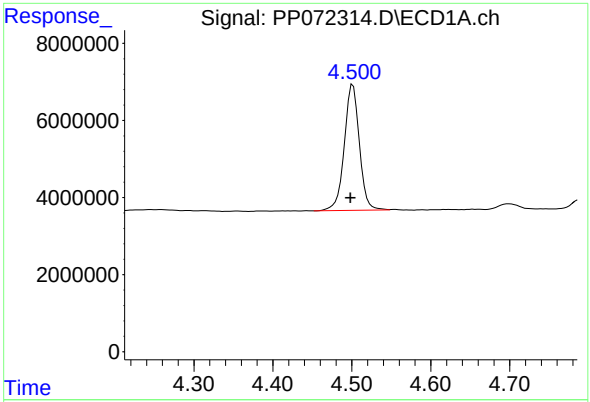
**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:27:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



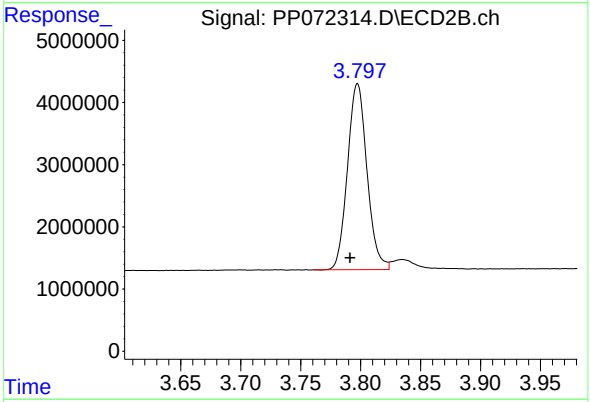






#1 Tetrachloro-m-xylene

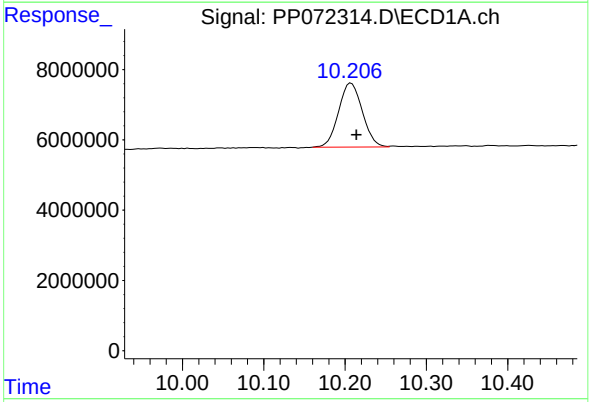
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 43301897
Conc: 21.53 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS



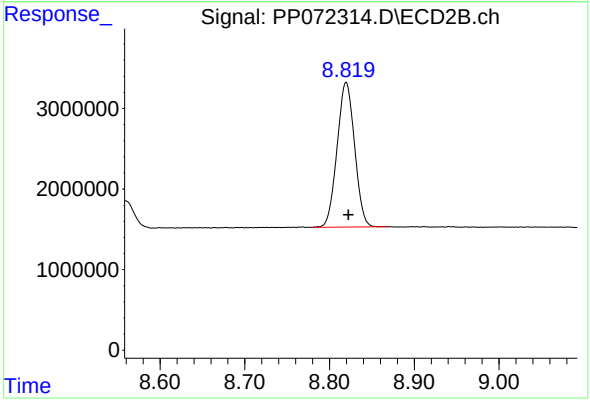

#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 33870835
Conc: 21.19 ng/ml



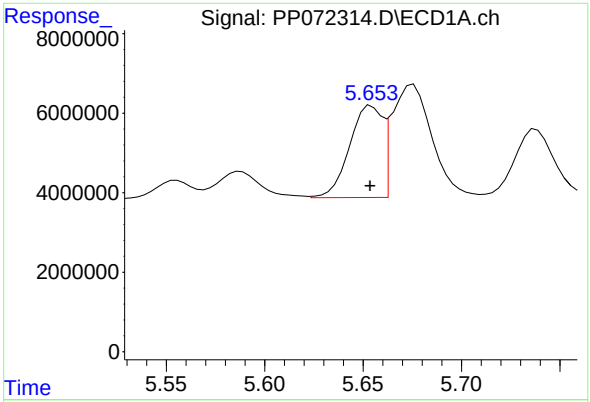

#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: -0.007 min
Response: 36911842
Conc: 22.66 ng/ml




#2 Decachlorobiphenyl

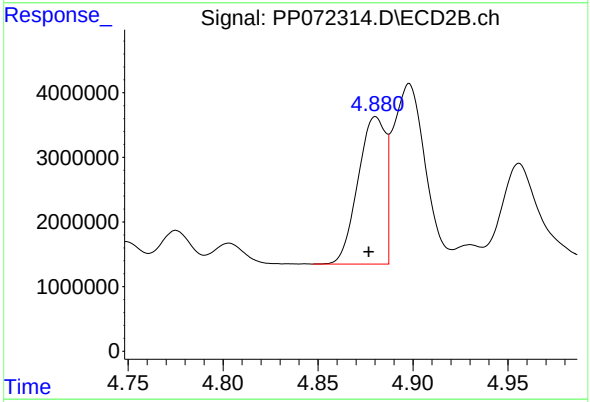
R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 25799512
Conc: 24.37 ng/ml




#3 AR-1016-1

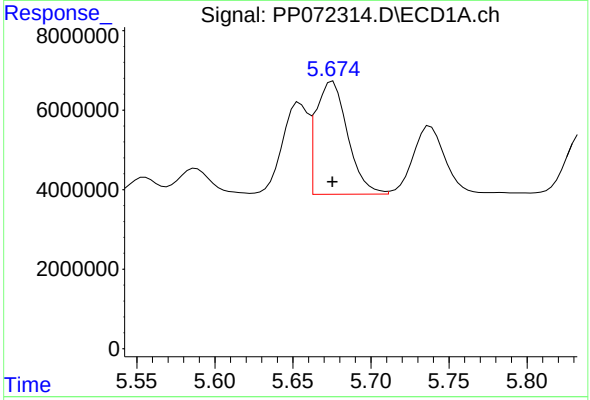
R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 26716298
Conc: 355.82 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS



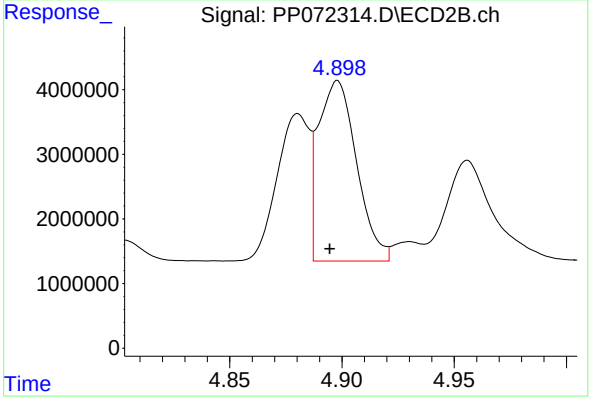

#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.004 min
Response: 22927003
Conc: 373.22 ng/ml



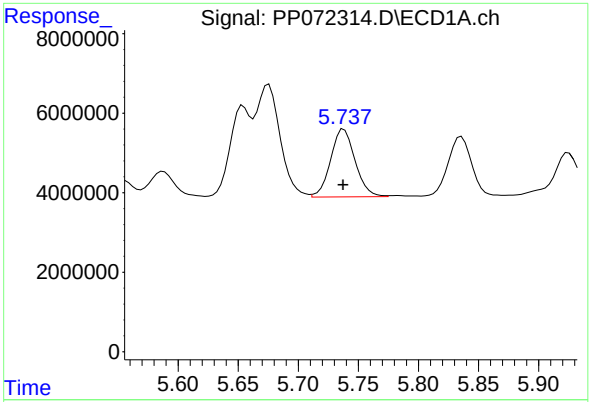

#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 40254961
Conc: 376.24 ng/ml




#4 AR-1016-2

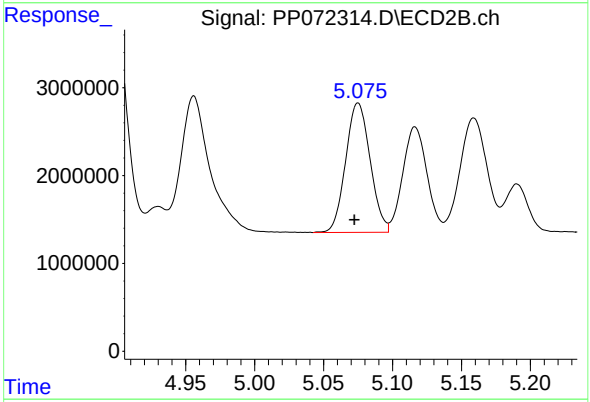
R.T.: 4.898 min
Delta R.T.: 0.003 min
Response: 33014768
Conc: 376.07 ng/ml




#5 AR-1016-3

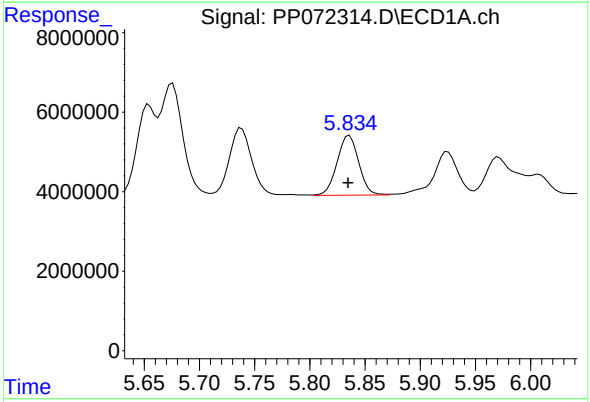
R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 24274745
Conc: 370.24 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS



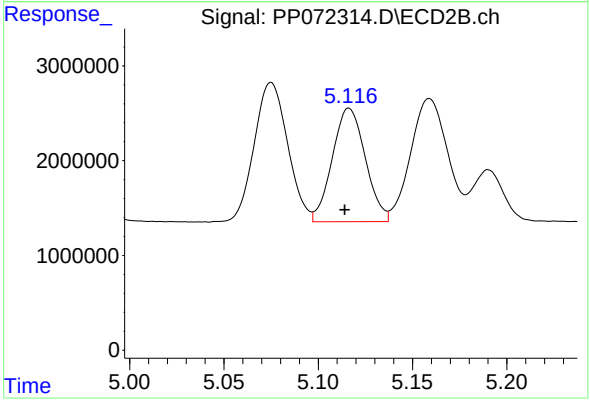

#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 18215515
Conc: 382.24 ng/ml



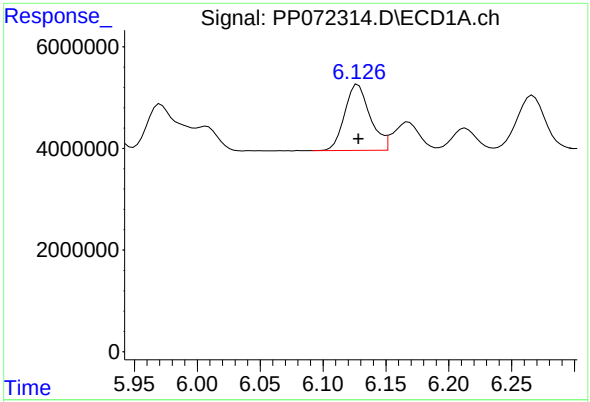

#6 AR-1016-4

R.T.: 5.836 min
Delta R.T.: 0.001 min
Response: 20520025
Conc: 385.21 ng/ml




#6 AR-1016-4

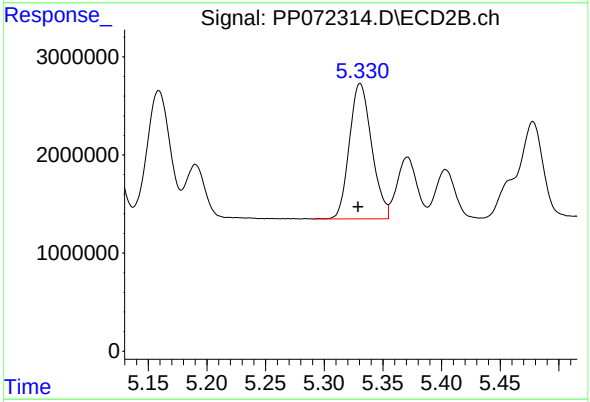
R.T.: 5.116 min
Delta R.T.: 0.002 min
Response: 14622734
Conc: 384.35 ng/ml




#7 AR-1016-5

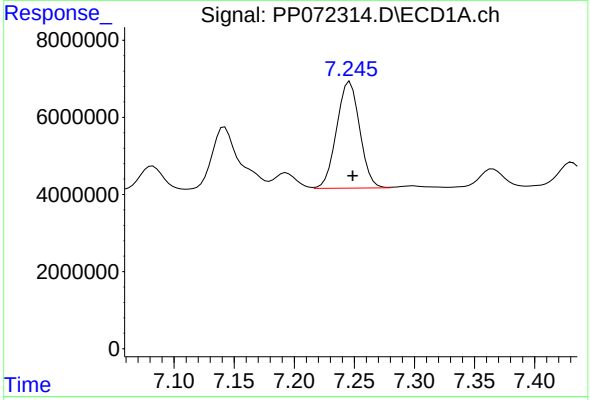
R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 18238095
Conc: 372.90 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS



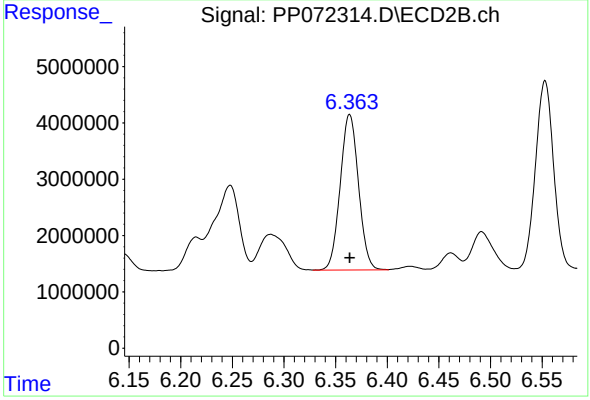

#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.002 min
Response: 18279418
Conc: 366.88 ng/ml



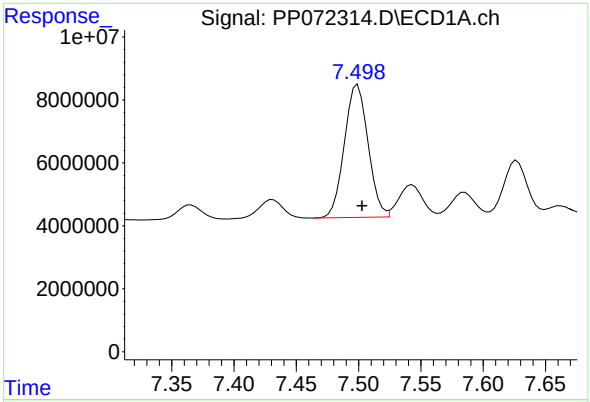

#31 AR-1260-1

R.T.: 7.246 min
Delta R.T.: -0.002 min
Response: 37003969
Conc: 395.36 ng/ml




#31 AR-1260-1

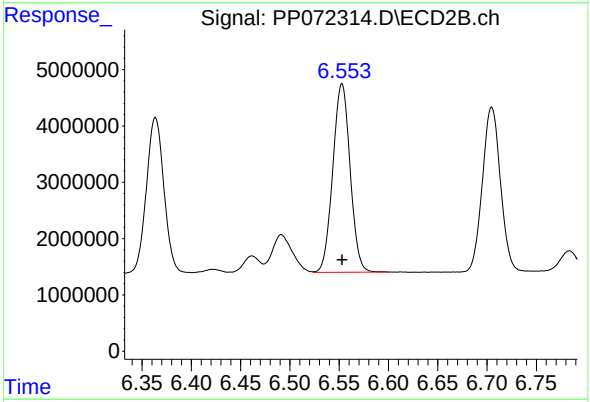
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 34105535
Conc: 427.64 ng/ml




#32 AR-1260-2

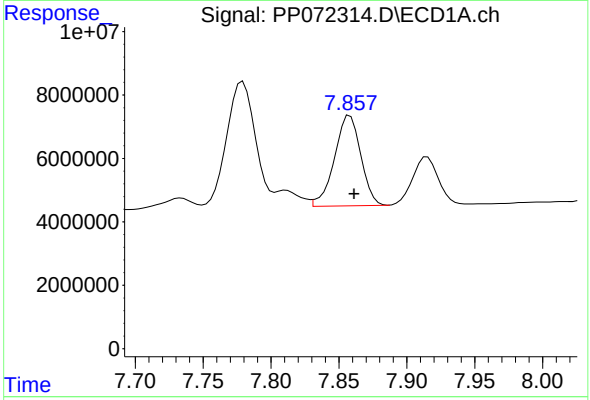
R.T.: 7.499 min
Delta R.T.: -0.003 min
Response: 56102746
Conc: 390.99 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS



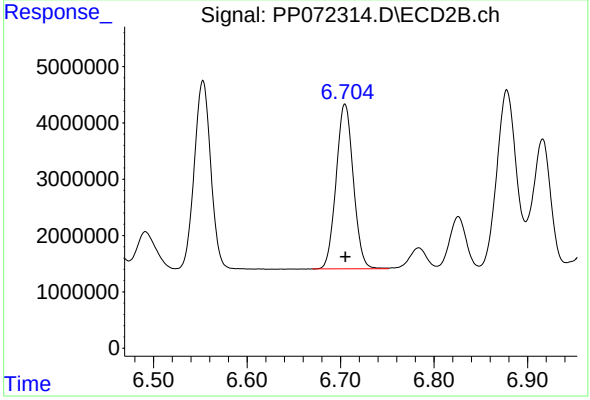

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 40906480
Conc: 403.33 ng/ml



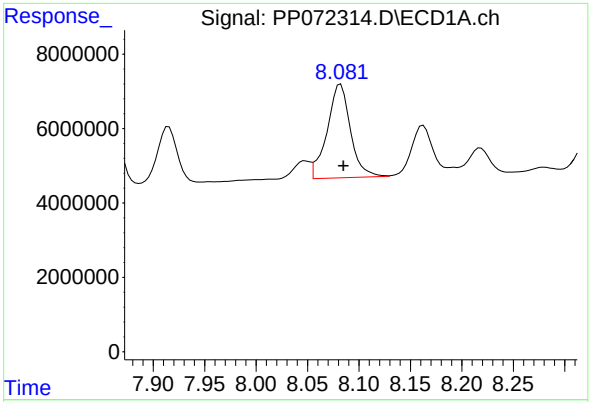

#33 AR-1260-3

R.T.: 7.858 min
Delta R.T.: -0.003 min
Response: 38626973
Conc: 339.22 ng/ml




#33 AR-1260-3

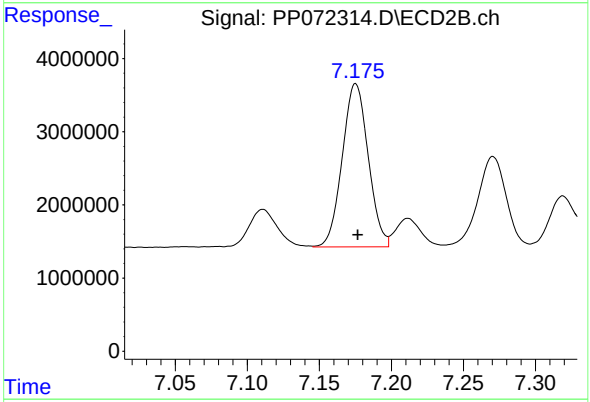
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 37445593
Conc: 430.89 ng/ml




#34 AR-1260-4

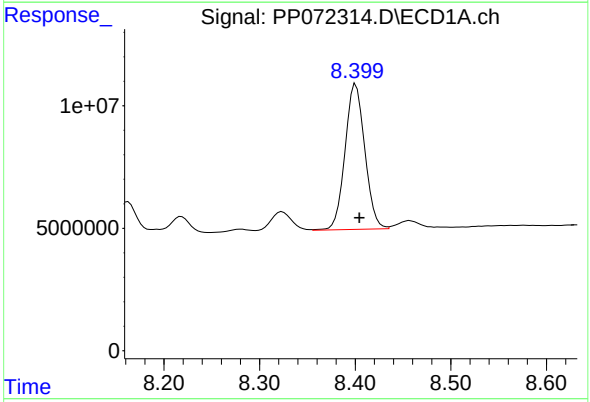
R.T.: 8.082 min
Delta R.T.: -0.003 min
Response: 39762590
Conc: 370.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168149BS



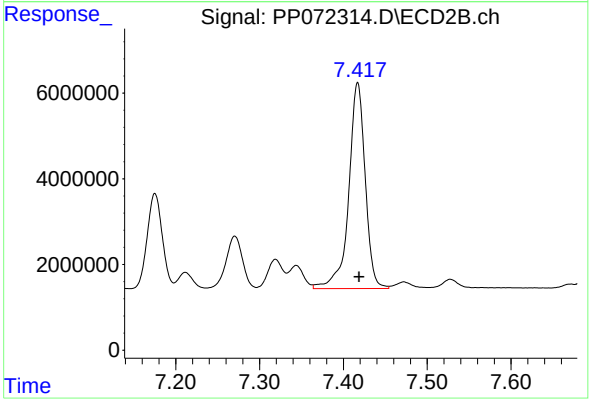

#34 AR-1260-4

R.T.: 7.175 min
Delta R.T.: -0.001 min
Response: 28022617
Conc: 388.71 ng/ml




#35 AR-1260-5

R.T.: 8.401 min
Delta R.T.: -0.004 min
Response: 85534601
Conc: 361.42 ng/ml




#35 AR-1260-5

R.T.: 7.417 min
Delta R.T.: -0.002 min
Response: 65689919
Conc: 378.35 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | |
| Project: | NJ Soil PT | Date Received: | |
| Client Sample ID: | PB168154BS | SDG No.: | Q1872 |
| Lab Sample ID: | PB168154BS | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 1.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072412.D | 1 | 05/28/25 09:40 | 05/28/25 16:53 | PB168154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3800 | | 117 | 505 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 120 | U | 120 | 505 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 110 | U | 110 | 505 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 119 | U | 119 | 505 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 176 | U | 176 | 505 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 95.3 | U | 95.3 | 505 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 149 | U | 149 | 505 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 107 | U | 107 | 505 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3800 | | 95.9 | 505 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.2 | | 32 - 144 | 96% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 23.0 | | 32 - 175 | 115% | 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_P\Data\PP052825\
Data File : PP072412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:53
Operator : YP\AJ
Sample : PB168154BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.499 | 3.795 | 37769014 | 30675392 | 18.783 | 19.192 |
| 2) | SA Decachlor... | 10.199 | 8.812 | 31987097 | 24320507 | 19.635 | 22.974 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.651 | 4.876 | 24822390 | 23271883 | 330.596 | 378.839 |
| 4) | L1 AR-1016-2 | 5.673 | 4.895 | 38103167 | 33900244 | 356.132 | 386.154 |
| 5) | L1 AR-1016-3 | 5.735 | 5.071 | 22767170 | 18340802 | 347.246 | 384.870 |
| 6) | L1 AR-1016-4 | 5.831 | 5.113 | 19551432 | 14591843 | 367.025m | 383.538 |
| 7) | L1 AR-1016-5 | 6.123 | 5.327 | 18159619 | 18355690 | 371.293m | 368.407 |
| 31) | L7 AR-1260-1 | 7.242 | 6.359 | 35573991 | 32534439 | 380.085 | 407.936 |
| 32) | L7 AR-1260-2 | 7.496 | 6.548 | 52698781 | 39043198 | 367.265 | 384.957 |
| 33) | L7 AR-1260-3 | 7.854 | 6.699 | 37419179 | 35631777 | 328.611 | 410.021 |
| 34) | L7 AR-1260-4 | 8.078 | 7.171 | 37392958 | 26010220 | 348.481 | 360.797 |
| 35) | L7 AR-1260-5 | 8.396 | 7.412 | 82397857 | 62069275 | 348.167 | 357.492 |

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

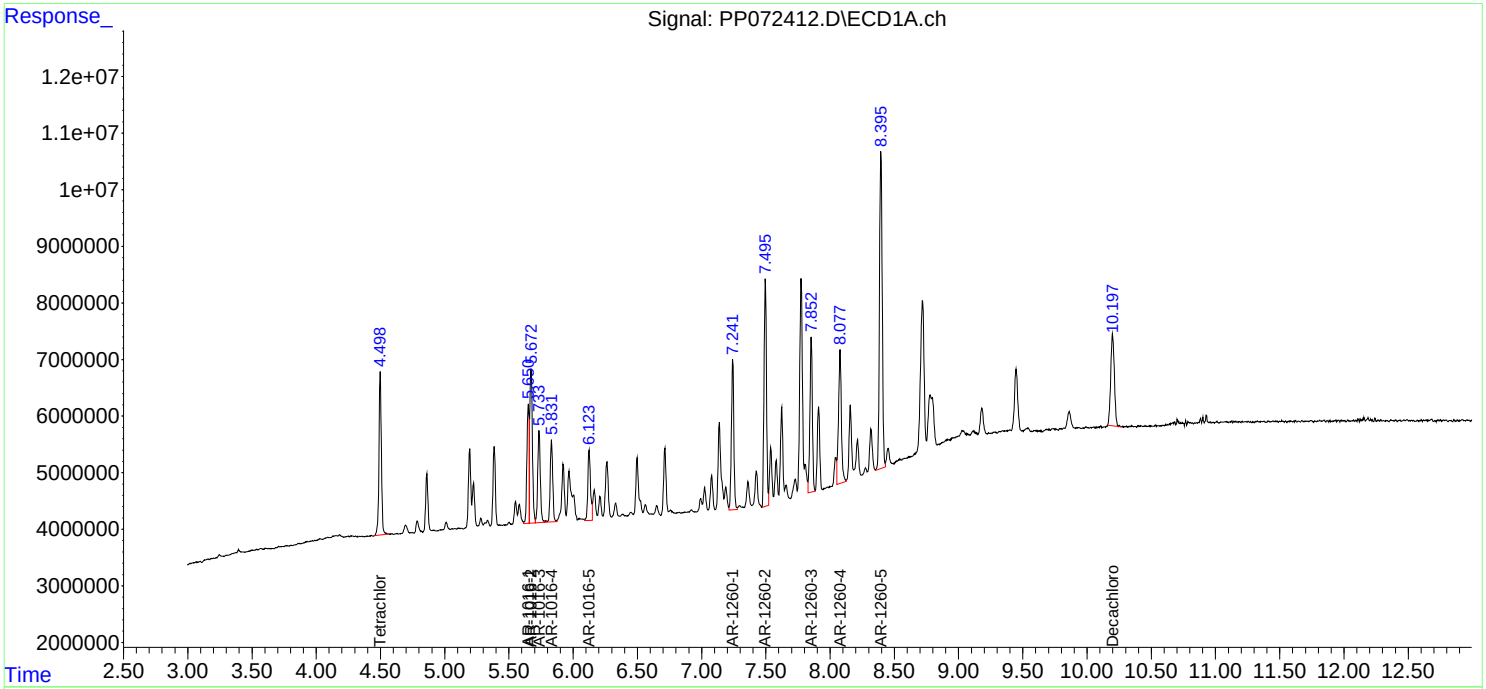
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:53
Operator : YP\AJ
Sample : PB168154BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

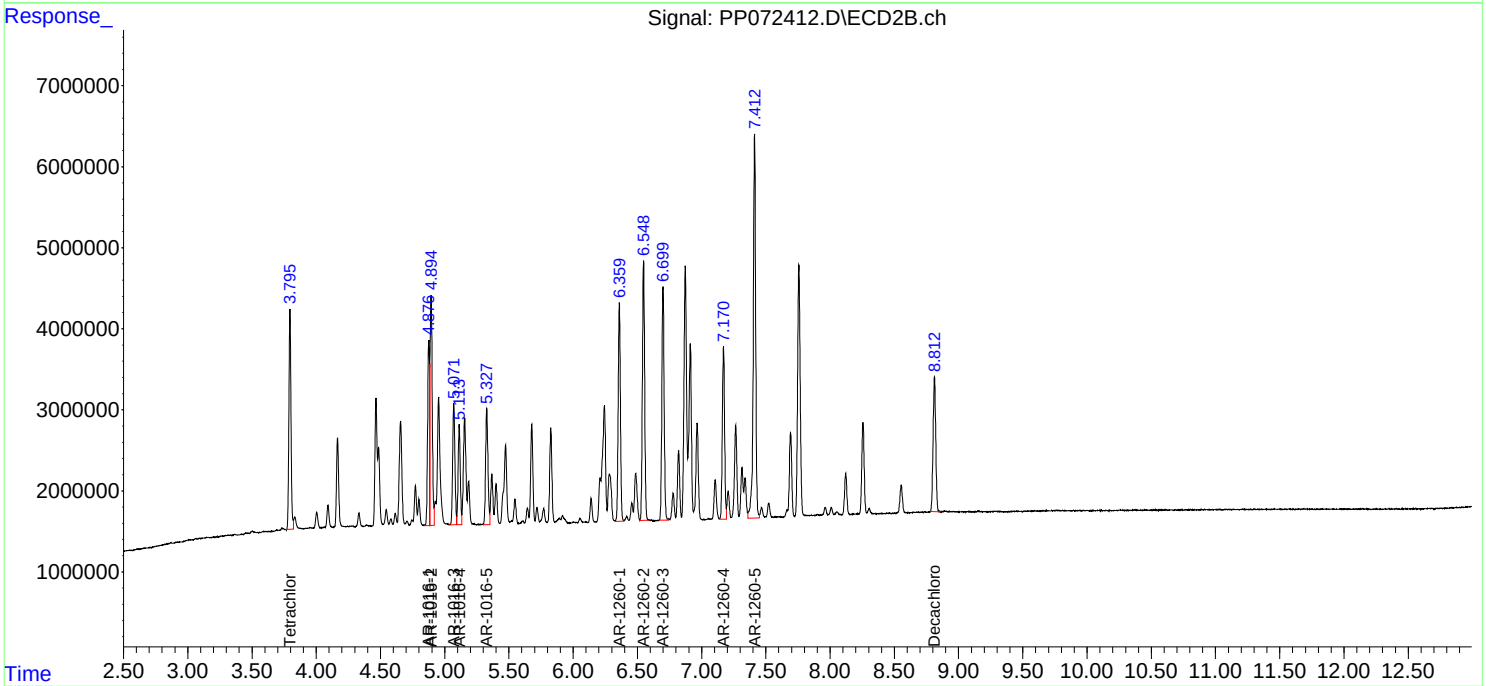
**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

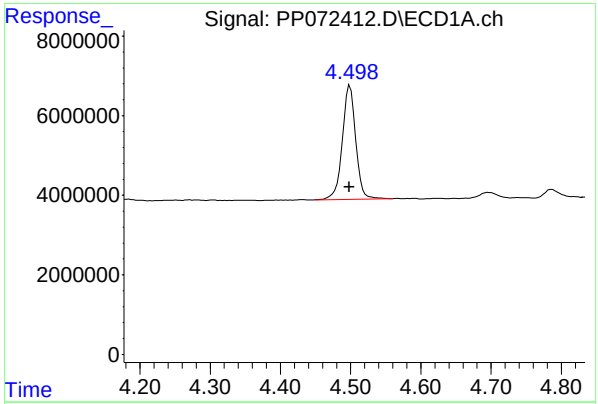
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





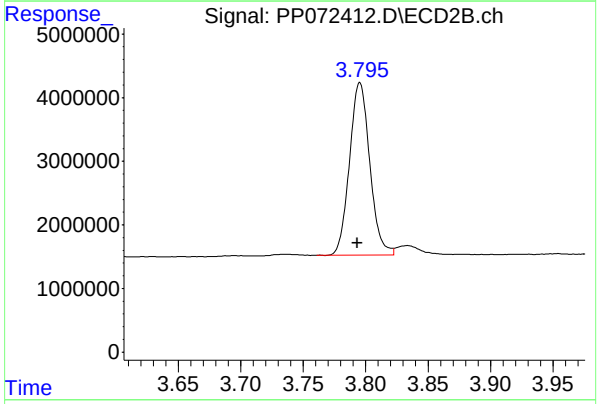

#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 37769014
Conc: 18.78 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

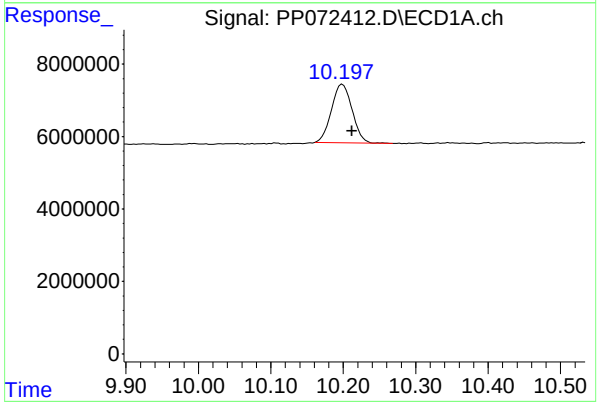
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



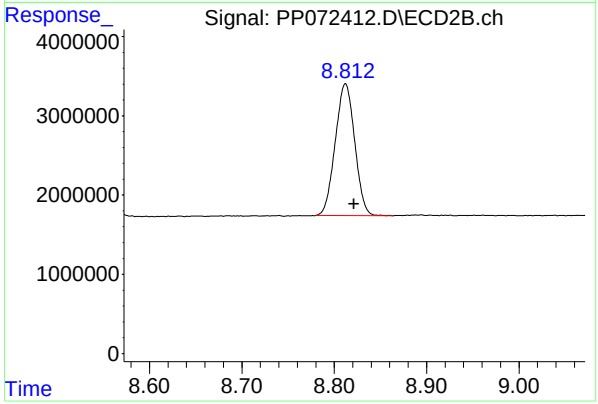

#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 30675392
Conc: 19.19 ng/ml



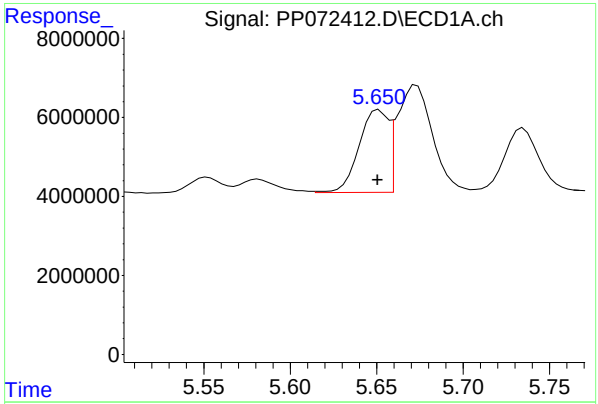

#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 31987097
Conc: 19.63 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 24320507
Conc: 22.97 ng/ml



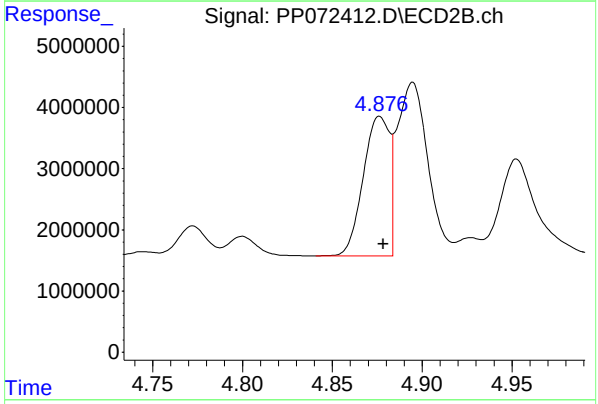

#3 AR-1016-1

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 24822390
Conc: 330.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

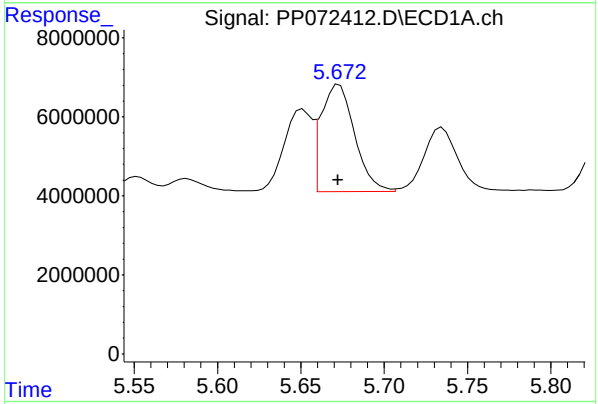
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



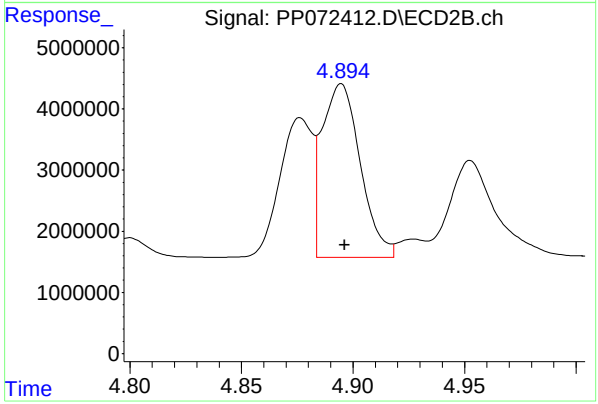

#3 AR-1016-1

R.T.: 4.876 min
Delta R.T.: -0.002 min
Response: 23271883
Conc: 378.84 ng/ml



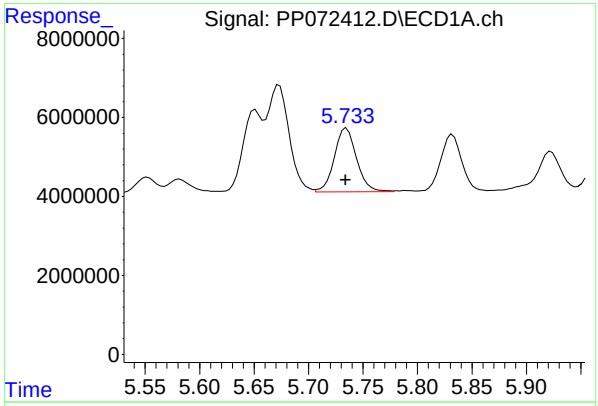

#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 38103167
Conc: 356.13 ng/ml




#4 AR-1016-2

R.T.: 4.895 min
Delta R.T.: -0.001 min
Response: 33900244
Conc: 386.15 ng/ml



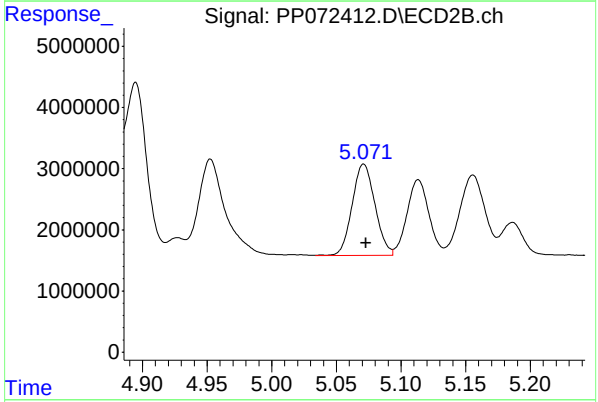

#5 AR-1016-3

R.T.: 5.735 min
Delta R.T.: 0.000 mi
Response: 22767170
Conc: 347.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

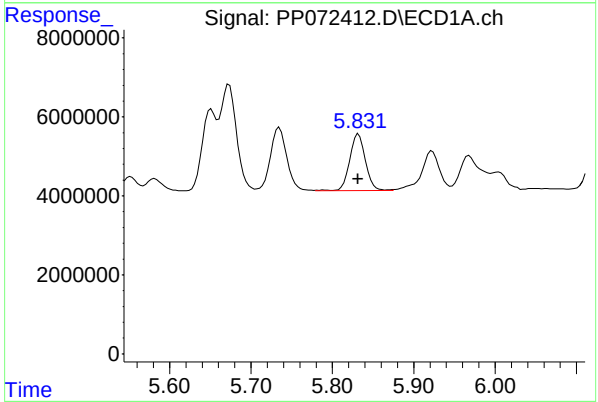
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



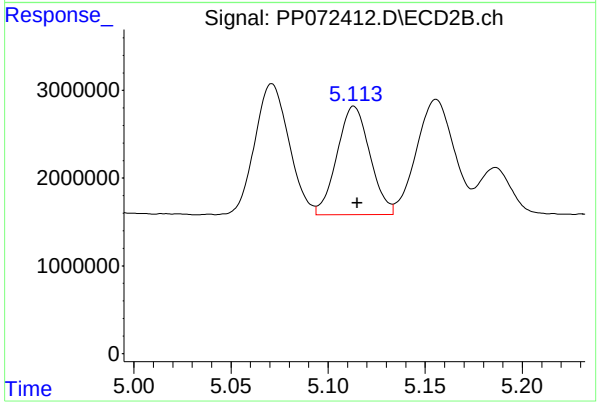

#5 AR-1016-3

R.T.: 5.071 min
Delta R.T.: -0.002 min
Response: 18340802
Conc: 384.87 ng/ml



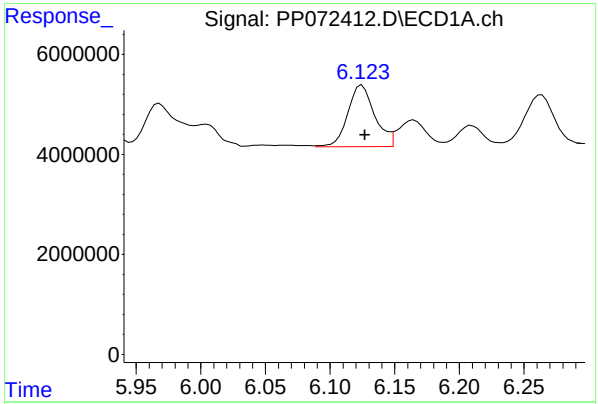

#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 19551432
Conc: 367.03 ng/ml m




#6 AR-1016-4

R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 14591843
Conc: 383.54 ng/ml



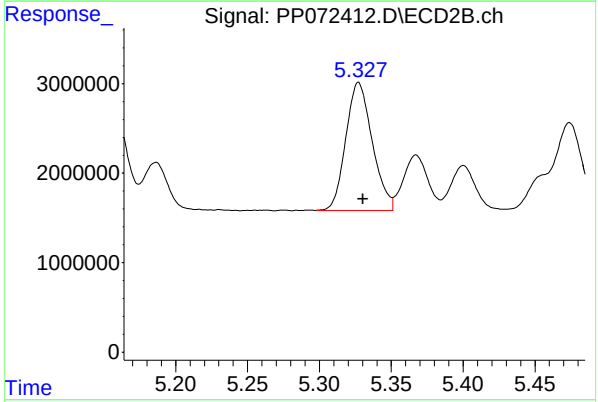

#7 AR-1016-5

R.T.: 6.123 min
Delta R.T.: -0.004 min
Response: 18159619
Conc: 371.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

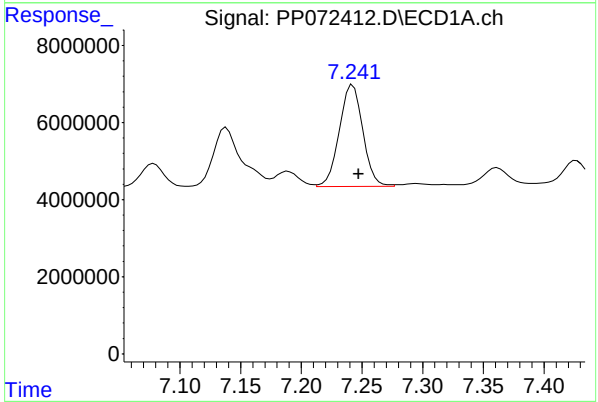
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



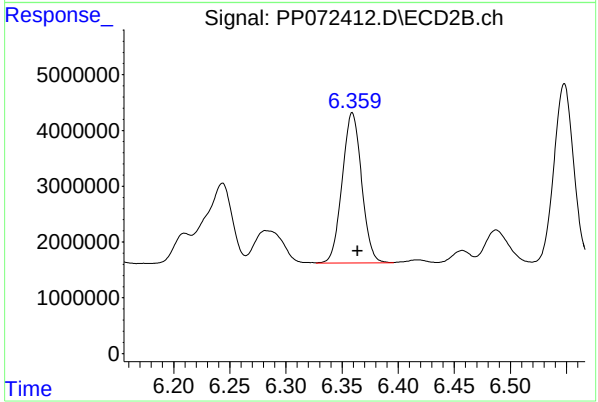

#7 AR-1016-5

R.T.: 5.327 min
Delta R.T.: -0.003 min
Response: 18355690
Conc: 368.41 ng/ml



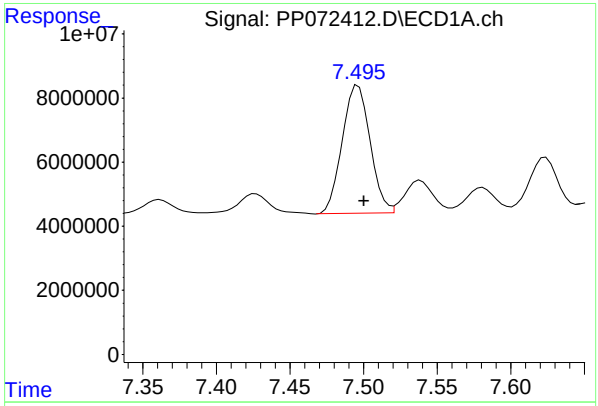

#31 AR-1260-1

R.T.: 7.242 min
Delta R.T.: -0.005 min
Response: 35573991
Conc: 380.09 ng/ml




#31 AR-1260-1

R.T.: 6.359 min
Delta R.T.: -0.005 min
Response: 32534439
Conc: 407.94 ng/ml



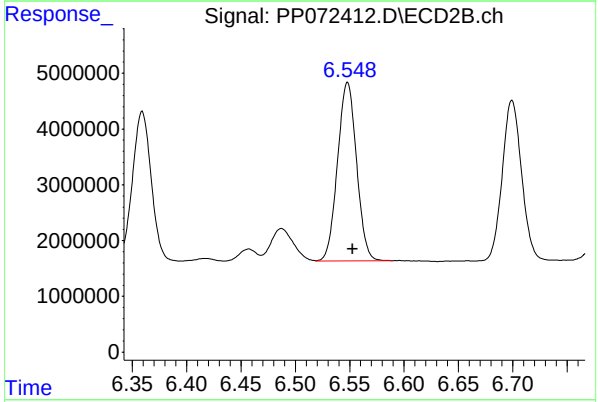

#32 AR-1260-2

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 52698781
Conc: 367.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

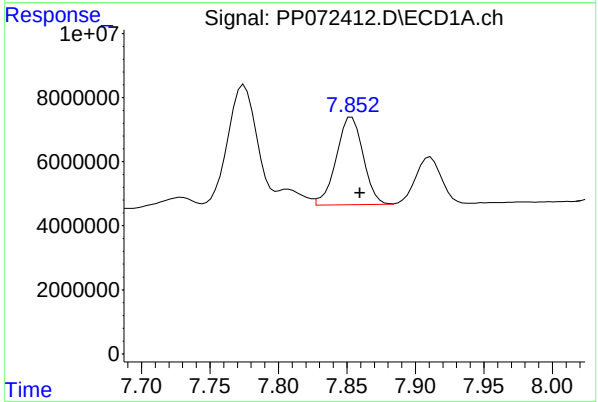
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



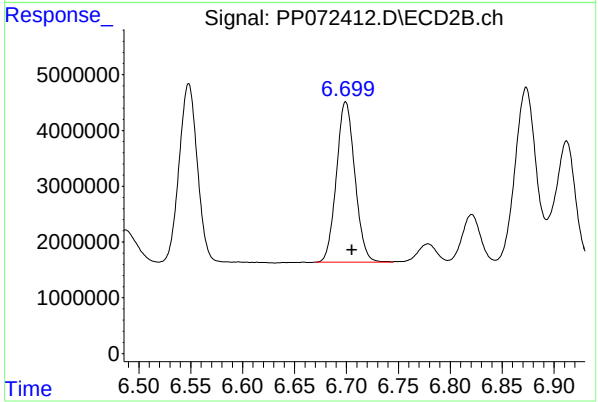

#32 AR-1260-2

R.T.: 6.548 min
Delta R.T.: -0.005 min
Response: 39043198
Conc: 384.96 ng/ml



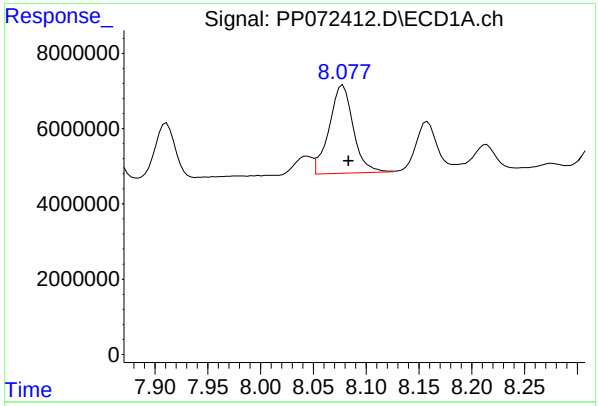

#33 AR-1260-3

R.T.: 7.854 min
Delta R.T.: -0.006 min
Response: 37419179
Conc: 328.61 ng/ml




#33 AR-1260-3

R.T.: 6.699 min
Delta R.T.: -0.006 min
Response: 35631777
Conc: 410.02 ng/ml



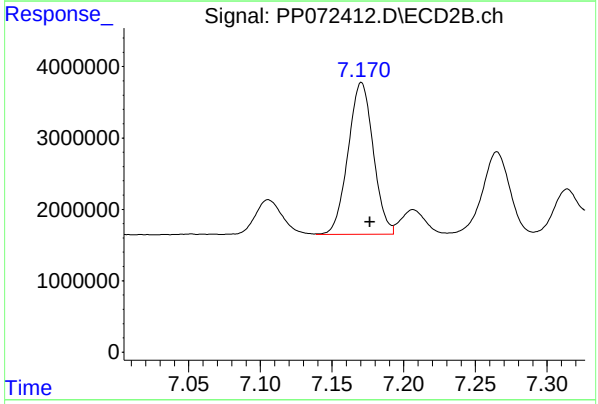

#34 AR-1260-4

R.T.: 8.078 min
Delta R.T.: -0.005 min
Response: 37392958
Conc: 348.48 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB168154BS

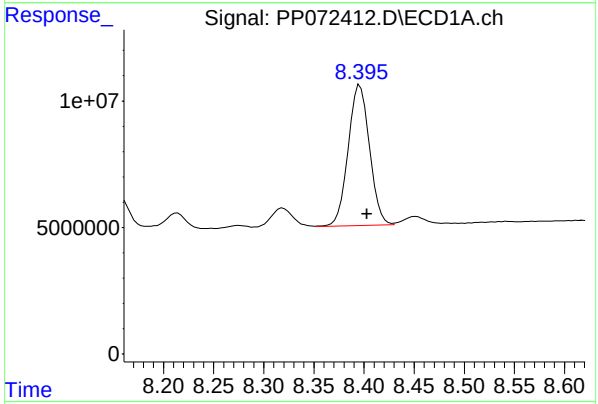
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



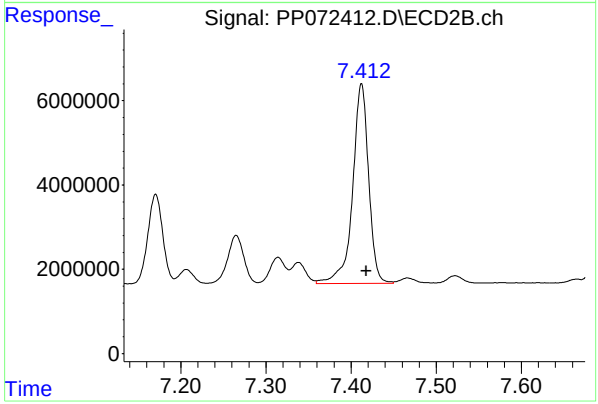

#34 AR-1260-4

R.T.: 7.171 min
Delta R.T.: -0.006 min
Response: 26010220
Conc: 360.80 ng/ml




#35 AR-1260-5

R.T.: 8.396 min
Delta R.T.: -0.007 min
Response: 82397857
Conc: 348.17 ng/ml




#35 AR-1260-5

R.T.: 7.412 min
Delta R.T.: -0.006 min
Response: 62069275
Conc: 357.49 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/22/25 |
| Project: | NJ Soil PT | Date Received: | 05/22/25 |
| Client Sample ID: | EO-03-05222025MS | SDG No.: | Q1872 |
| Lab Sample ID: | Q2112-01MS | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 95.6 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072319.D | 1 | 05/23/25 09:18 | 05/23/25 15:28 | PB168149 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 122 | | 4.10 | 17.8 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.20 | U | 4.20 | 17.8 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.90 | U | 3.90 | 17.8 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.20 | U | 4.20 | 17.8 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 6.20 | U | 6.20 | 17.8 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.40 | U | 3.40 | 17.8 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.20 | U | 5.20 | 17.8 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.80 | U | 3.80 | 17.8 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 110 | | 3.40 | 17.8 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.5 | | 32 - 144 | 87% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.2 | | 32 - 175 | 86% | 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_P\Data\PP052325\
Data File : PP072319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:28
Operator : YP\AJ
Sample : Q2112-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:34:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.502 | 3.798 | 27897918 | 27912593 | 13.874m | 17.463 # |
| 2) | SA Decachlor... | 10.211 | 8.820 | 23232692 | 18219295 | 14.261 | 17.211 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.655 | 4.881 | 19802776 | 21428424 | 263.743 | 348.829 # |
| 4) | L1 AR-1016-2 | 5.678 | 4.899 | 29427195 | 31241292 | 275.042 | 355.867 # |
| 5) | L1 AR-1016-3 | 5.740 | 5.075 | 17692583 | 16544553 | 269.848 | 347.177 # |
| 6) | L1 AR-1016-4 | 5.837 | 5.117 | 15993371 | 13941618 | 300.232 | 366.448 |
| 7) | L1 AR-1016-5 | 6.128 | 5.331 | 13175832 | 16837427 | 269.394m | 337.935 # |
| 31) | L7 AR-1260-1 | 7.248 | 6.364 | 26521567 | 27337460 | 283.366 | 342.773 |
| 32) | L7 AR-1260-2 | 7.502 | 6.553 | 44315124 | 32411916 | 308.838 | 319.574 |
| 33) | L7 AR-1260-3 | 7.860 | 6.705 | 26922164 | 28965611 | 236.427 | 333.312 # |
| 34) | L7 AR-1260-4 | 8.083 | 7.176 | 28619294 | 20848906 | 266.716m | 289.203 |
| 35) | L7 AR-1260-5 | 8.404 | 7.418 | 60396818 | 50149345 | 255.203 | 288.839 |

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

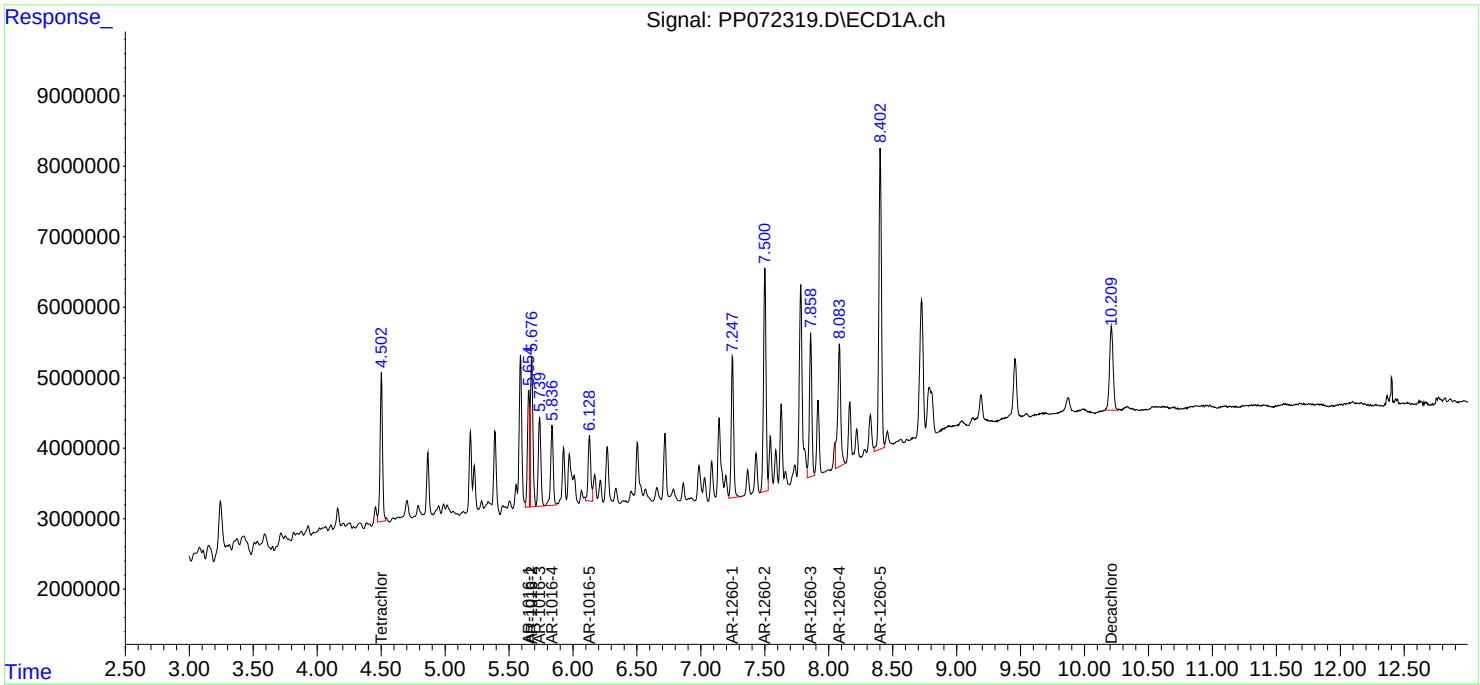
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:28
Operator : YP\AJ
Sample : Q2112-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

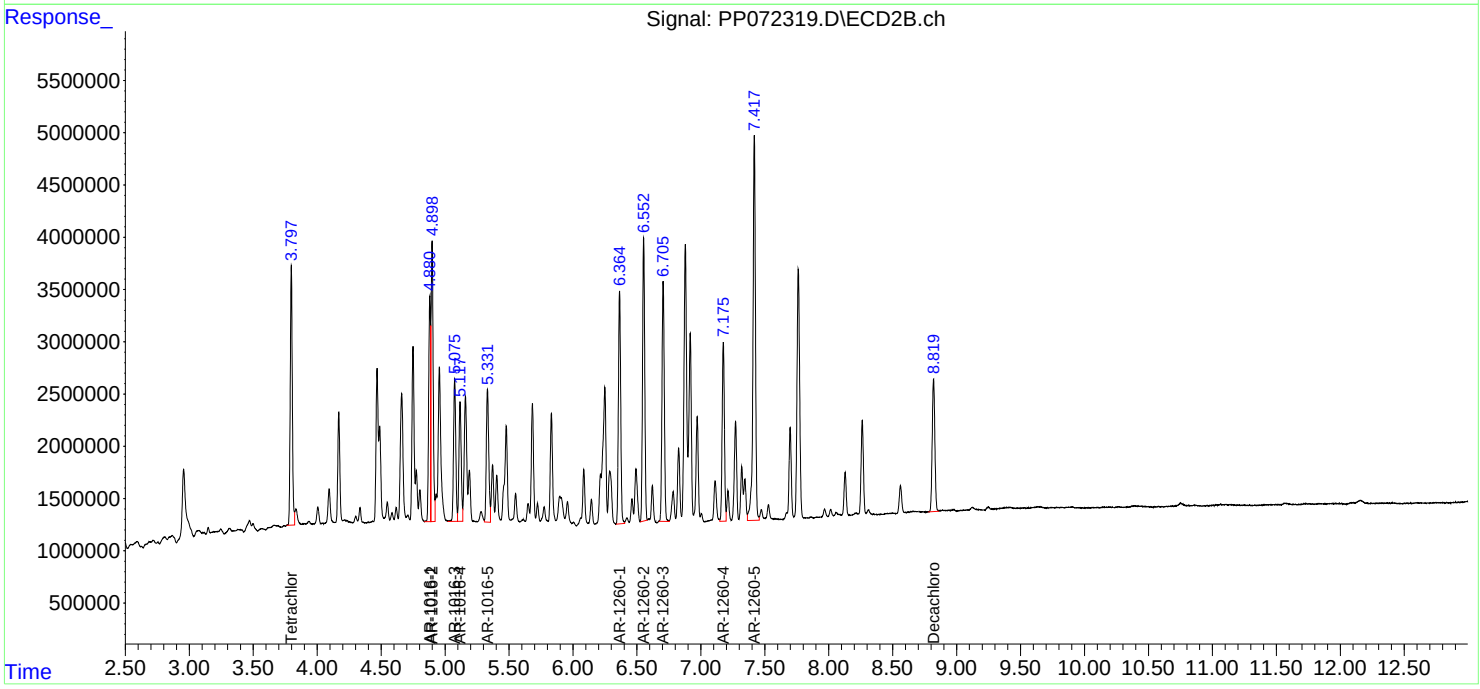
**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

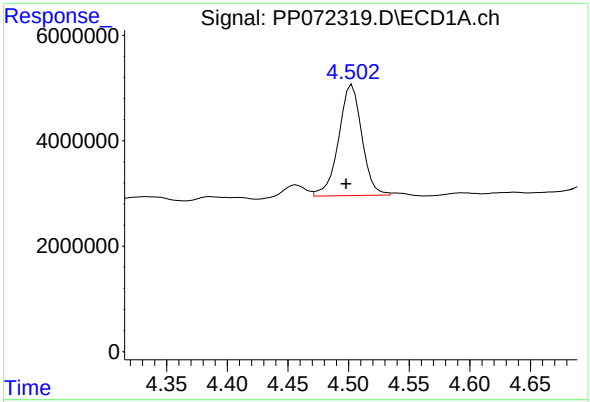
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:34:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





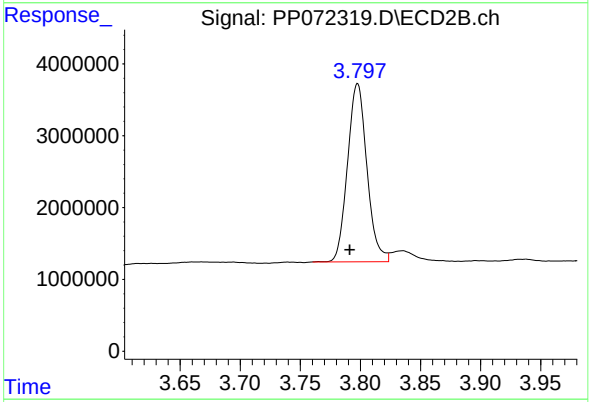

#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 27897918
Conc: 13.87 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

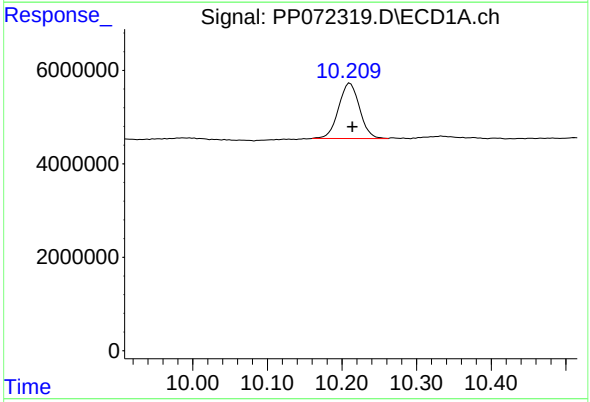
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



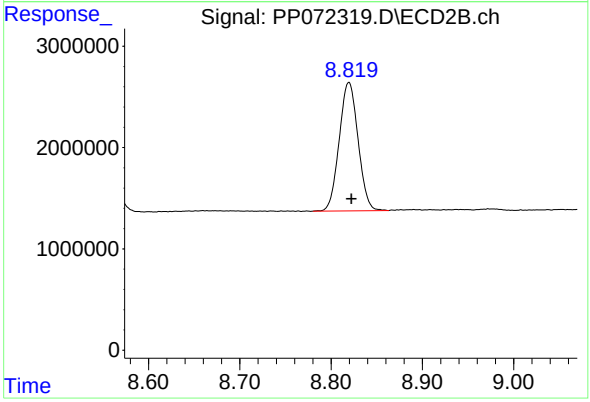

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 27912593
Conc: 17.46 ng/ml



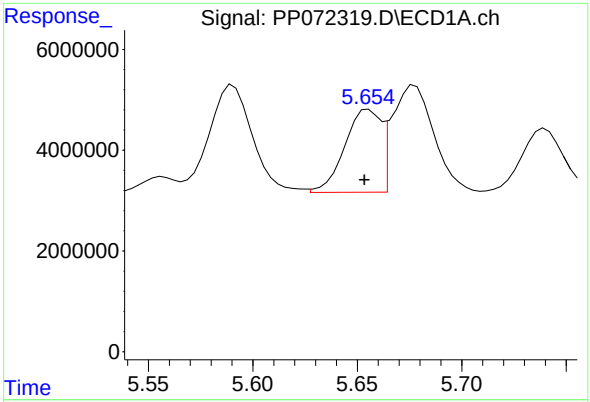

#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.003 min
Response: 23232692
Conc: 14.26 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.820 min
Delta R.T.: -0.003 min
Response: 18219295
Conc: 17.21 ng/ml



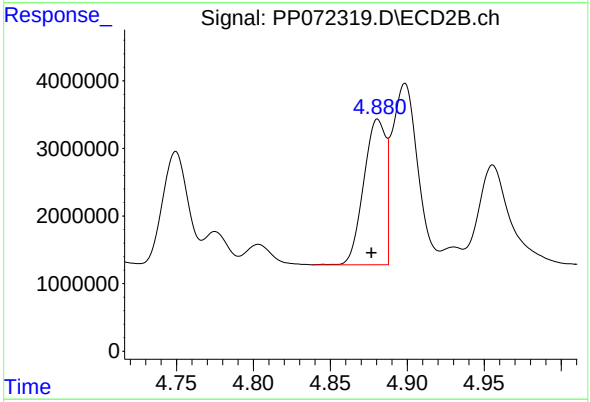

#3 AR-1016-1

R.T.: 5.655 min
Delta R.T.: 0.002 min
Response: 19802776
Conc: 263.74 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

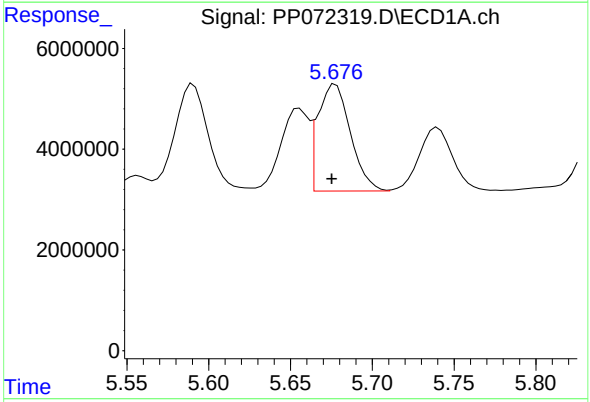
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



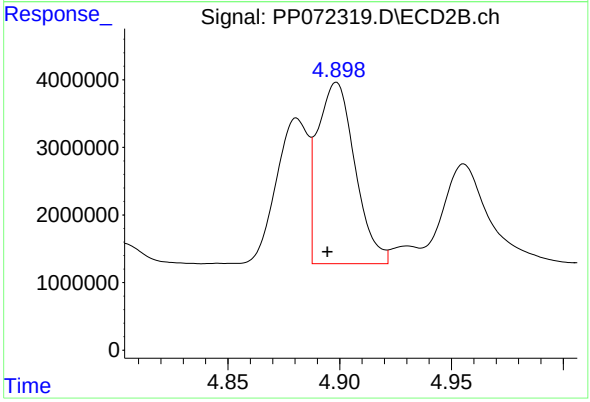

#3 AR-1016-1

R.T.: 4.881 min
Delta R.T.: 0.004 min
Response: 21428424
Conc: 348.83 ng/ml



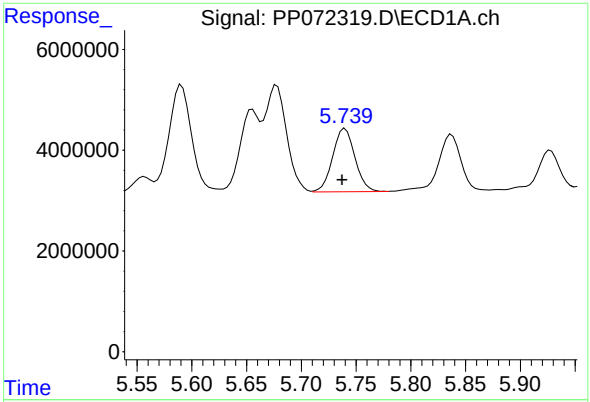

#4 AR-1016-2

R.T.: 5.678 min
Delta R.T.: 0.002 min
Response: 29427195
Conc: 275.04 ng/ml




#4 AR-1016-2

R.T.: 4.899 min
Delta R.T.: 0.004 min
Response: 31241292
Conc: 355.87 ng/ml



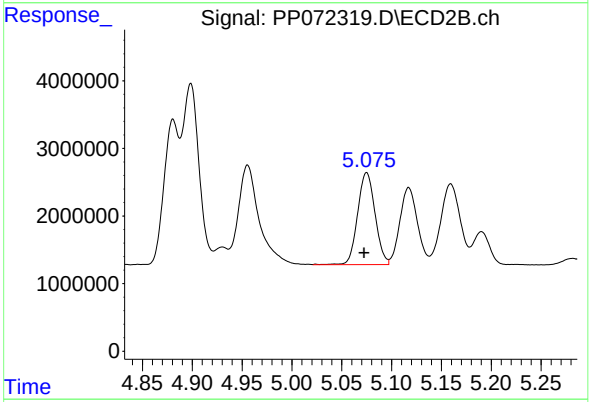

#5 AR-1016-3

R.T.: 5.740 min
Delta R.T.: 0.003 min
Response: 17692583
Conc: 269.85 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

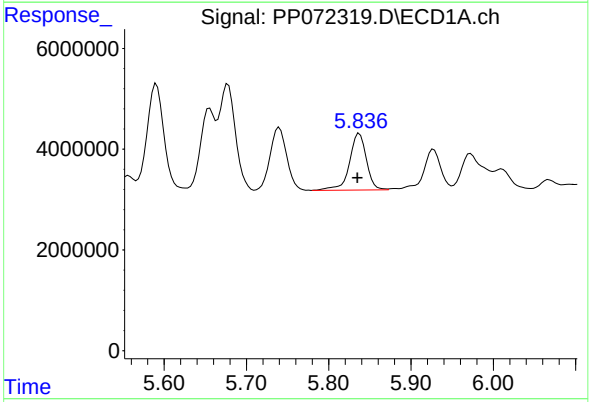
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



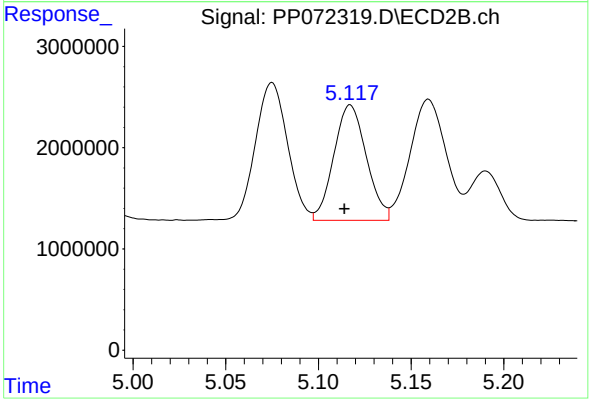

#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 16544553
Conc: 347.18 ng/ml



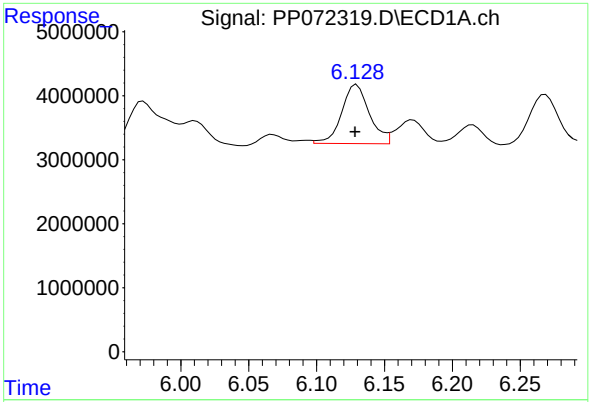

#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.003 min
Response: 15993371
Conc: 300.23 ng/ml




#6 AR-1016-4

R.T.: 5.117 min
Delta R.T.: 0.003 min
Response: 13941618
Conc: 366.45 ng/ml



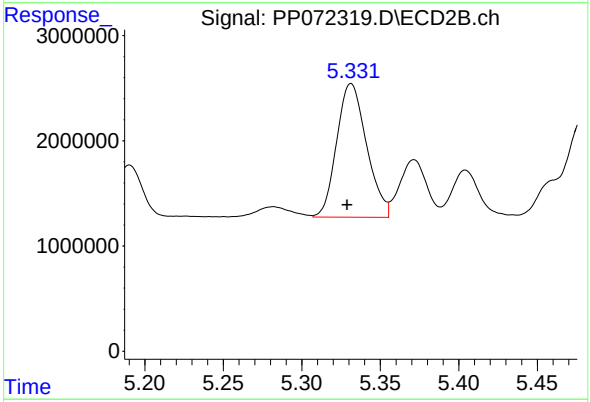

#7 AR-1016-5

R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 13175832
Conc: 269.39 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

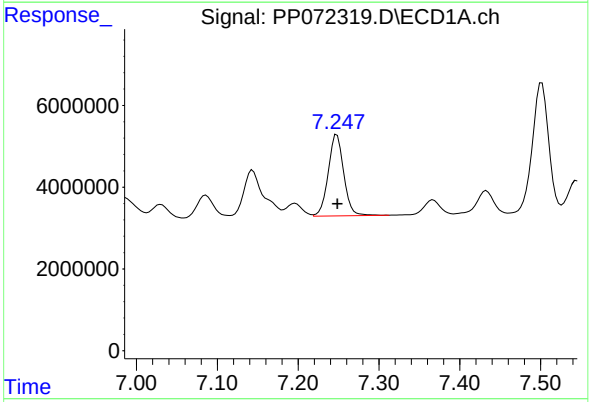
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



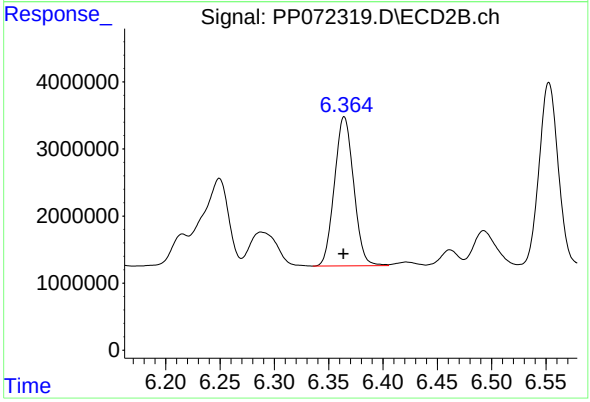

#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.003 min
Response: 16837427
Conc: 337.94 ng/ml



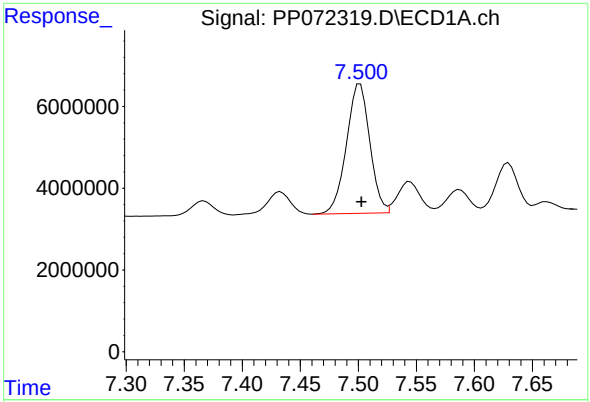

#31 AR-1260-1

R.T.: 7.248 min
Delta R.T.: 0.000 min
Response: 26521567
Conc: 283.37 ng/ml




#31 AR-1260-1

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 27337460
Conc: 342.77 ng/ml



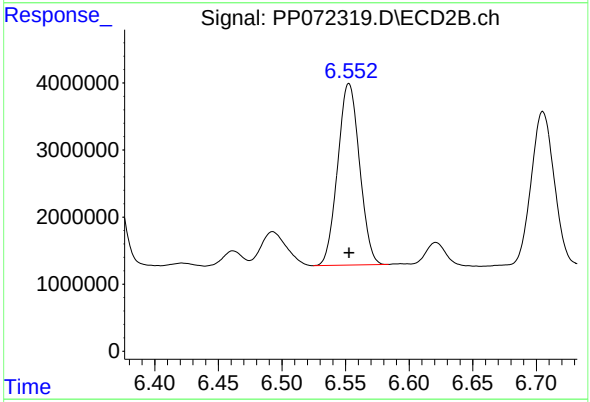

#32 AR-1260-2

R.T.: 7.502 min
Delta R.T.: -0.001 min
Response: 44315124
Conc: 308.84 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

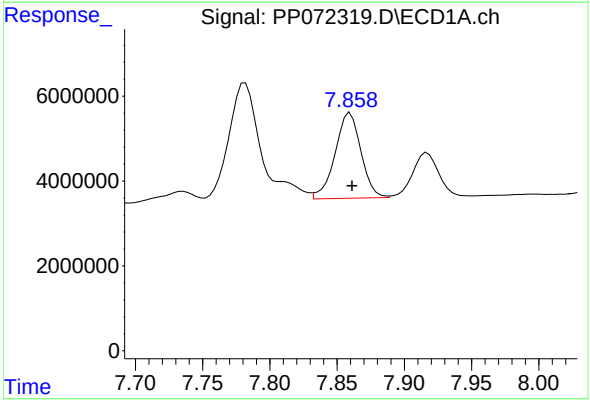
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



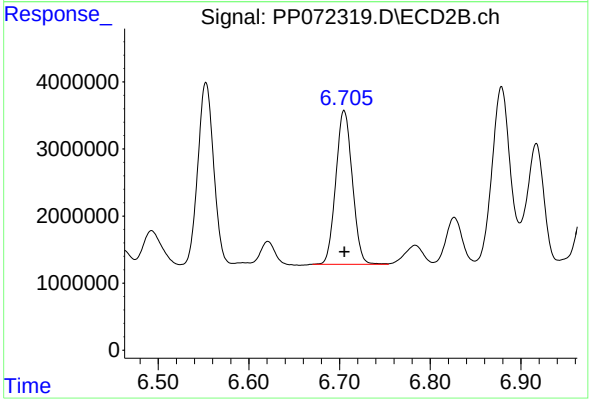

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 32411916
Conc: 319.57 ng/ml



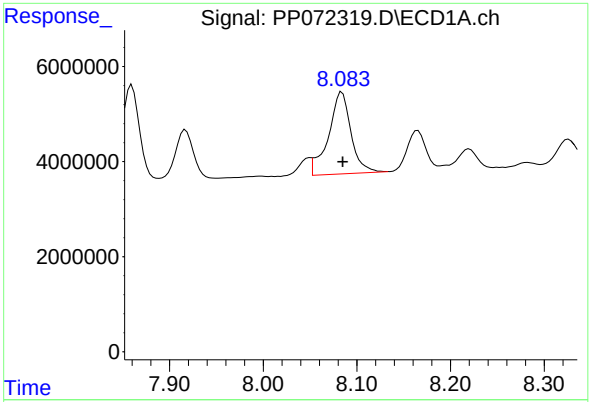

#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: -0.001 min
Response: 26922164
Conc: 236.43 ng/ml




#33 AR-1260-3

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 28965611
Conc: 333.31 ng/ml



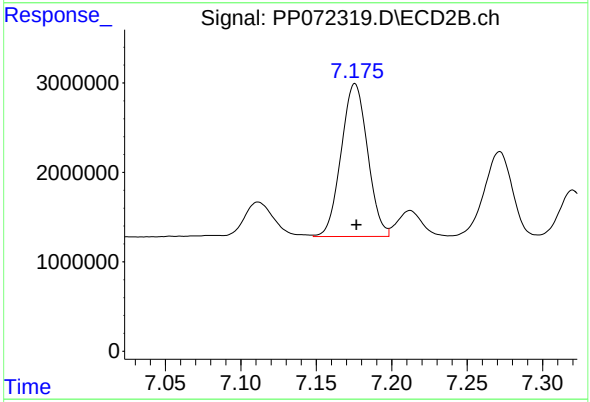

#34 AR-1260-4

R.T.: 8.083 min
Delta R.T.: -0.002 min
Response: 28619294
Conc: 266.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MS

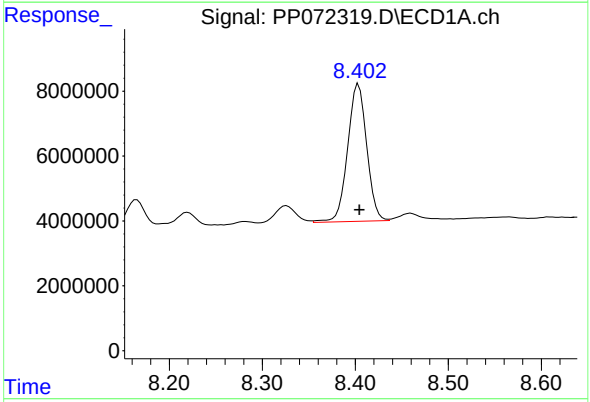
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



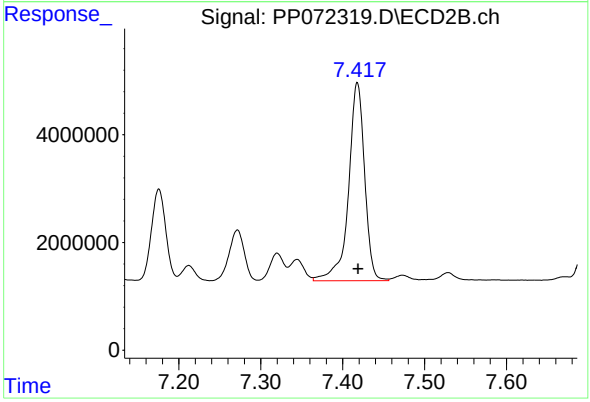

#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 20848906
Conc: 289.20 ng/ml




#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 60396818
Conc: 255.20 ng/ml




#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 50149345
Conc: 288.84 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 05/22/25 |
| Project: | NJ Soil PT | Date Received: | 05/22/25 |
| Client Sample ID: | EO-03-05222025MSD | SDG No.: | Q1872 |
| Lab Sample ID: | Q2112-01MSD | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 95.6 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP072320.D | 1 | 05/23/25 09:18 | 05/23/25 15:44 | PB168149 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 120 | | 4.10 | 17.8 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.20 | U | 4.20 | 17.8 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.90 | U | 3.90 | 17.8 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.20 | U | 4.20 | 17.8 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 6.20 | U | 6.20 | 17.8 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.40 | U | 3.40 | 17.8 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.20 | U | 5.20 | 17.8 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.80 | U | 3.80 | 17.8 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 108 | | 3.40 | 17.8 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.6 | | 32 - 144 | 88% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.0 | | 32 - 175 | 85% | 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_P\Data\PP052325\
Data File : PP072320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:44
Operator : YP\AJ
Sample : Q2112-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.500 | 3.798 | 29607678 | 28142011 | 14.724m | 17.607 |
| 2) | SA Decachlor... | 10.209 | 8.821 | 23371788 | 18036172 | 14.346 | 17.038 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.653 | 4.880 | 20518752 | 21078835 | 273.279 | 343.139 # |
| 4) | L1 AR-1016-2 | 5.676 | 4.898 | 29275127 | 30408091 | 273.621 | 346.376 # |
| 5) | L1 AR-1016-3 | 5.738 | 5.075 | 17787237 | 16089785 | 271.292 | 337.634 |
| 6) | L1 AR-1016-4 | 5.835 | 5.117 | 16205039 | 13658617 | 304.206 | 359.009 |
| 7) | L1 AR-1016-5 | 6.126 | 5.331 | 14047389 | 16695748 | 287.214m | 335.092 |
| 31) | L7 AR-1260-1 | 7.246 | 6.364 | 25719549 | 26714120 | 274.797 | 334.958 |
| 32) | L7 AR-1260-2 | 7.499 | 6.553 | 43703848 | 31966480 | 304.578 | 315.182 |
| 33) | L7 AR-1260-3 | 7.858 | 6.705 | 26826353 | 28500592 | 235.586 | 327.961 # |
| 34) | L7 AR-1260-4 | 8.081 | 7.175 | 27270285 | 20384515 | 254.144 | 282.761 |
| 35) | L7 AR-1260-5 | 8.401 | 7.418 | 60795514 | 48980108 | 256.887 | 282.104 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:44
Operator : YP\AJ
Sample : Q2112-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

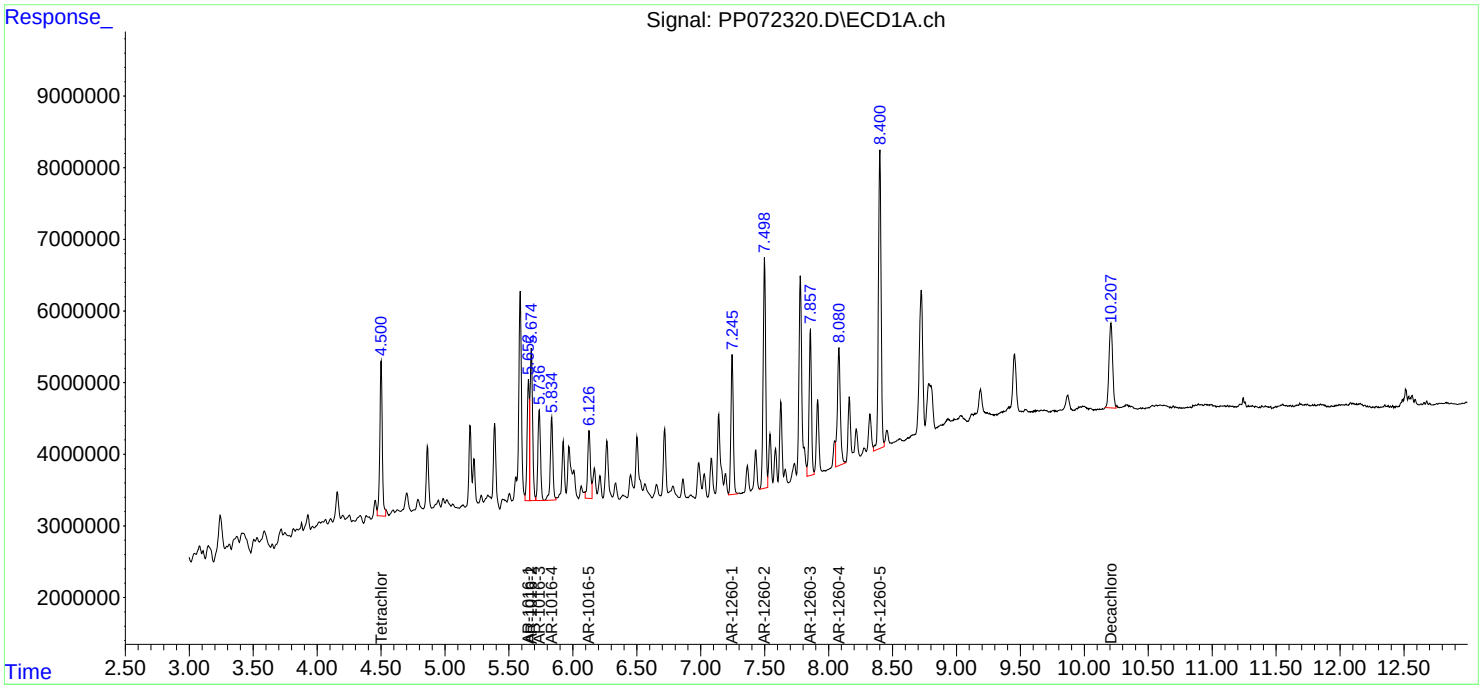
**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

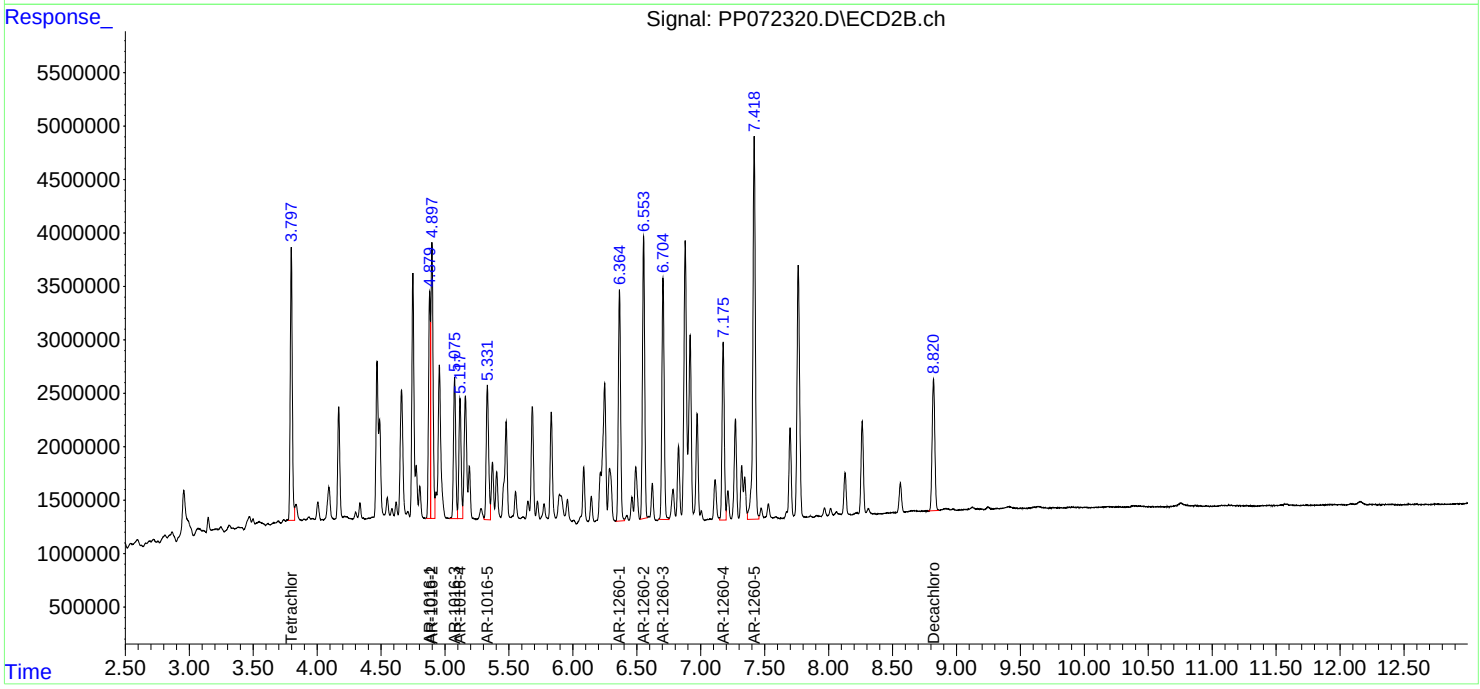
**Manual Integrations APPROVED**

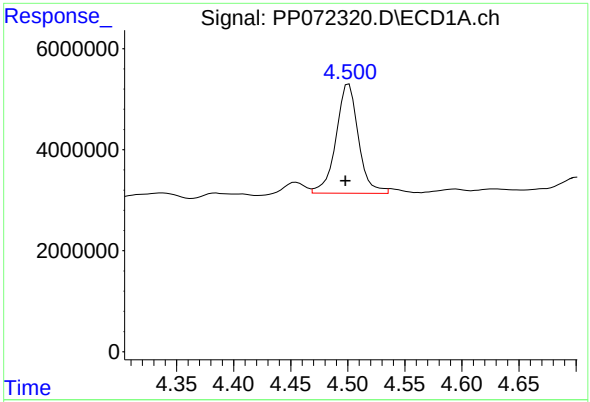
Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





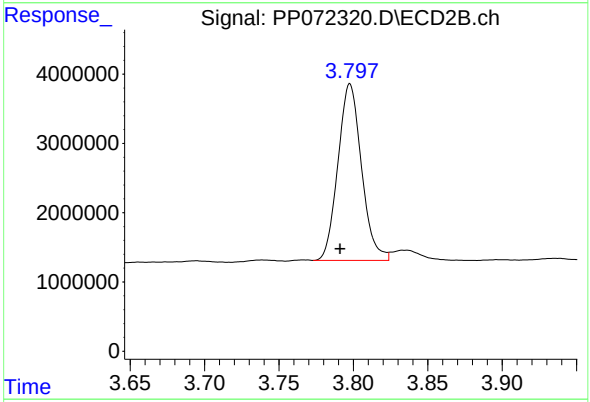

#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 29607678
Conc: 14.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

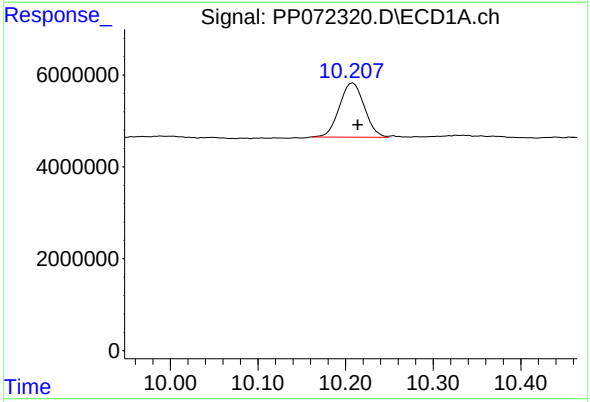
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



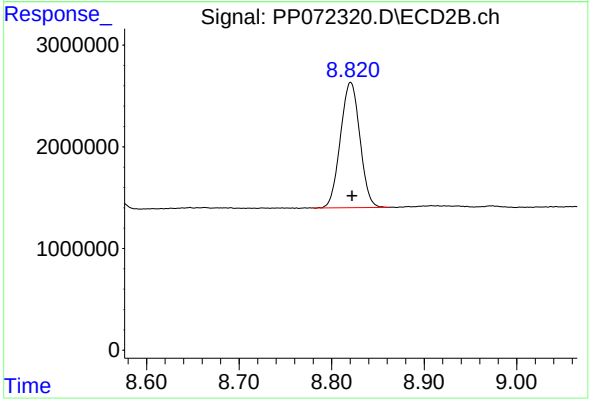

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 28142011
Conc: 17.61 ng/ml



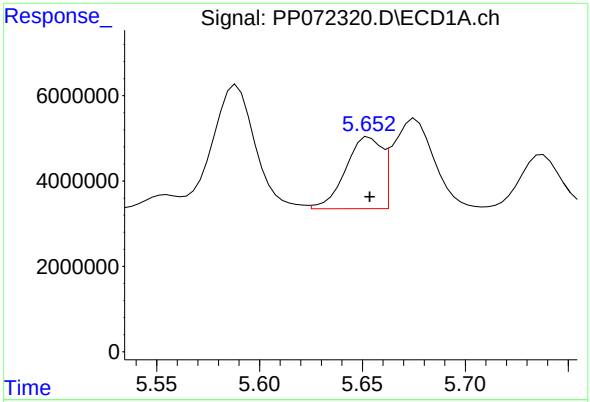

#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.005 min
Response: 23371788
Conc: 14.35 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.821 min
Delta R.T.: -0.002 min
Response: 18036172
Conc: 17.04 ng/ml



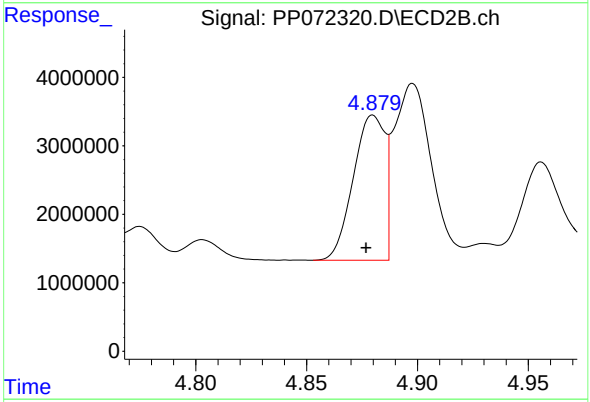

#3 AR-1016-1

R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 20518752
Conc: 273.28 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

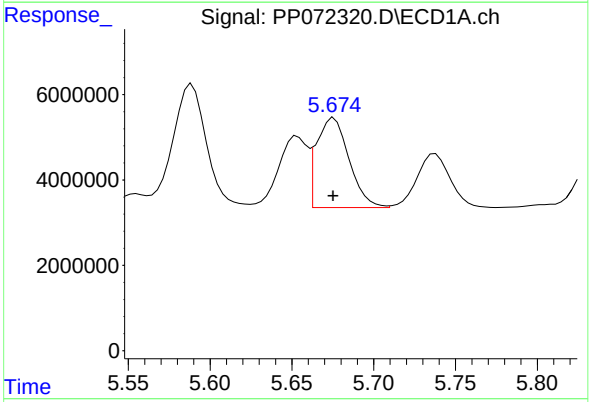
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



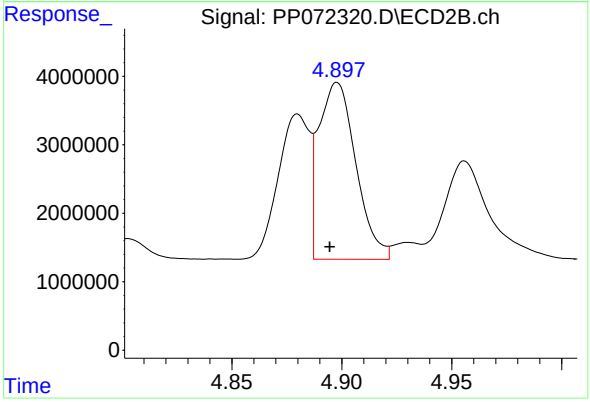

#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.003 min
Response: 21078835
Conc: 343.14 ng/ml



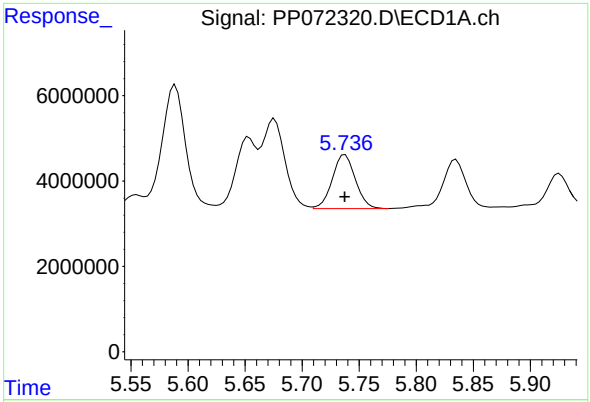

#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 29275127
Conc: 273.62 ng/ml




#4 AR-1016-2

R.T.: 4.898 min
Delta R.T.: 0.003 min
Response: 30408091
Conc: 346.38 ng/ml



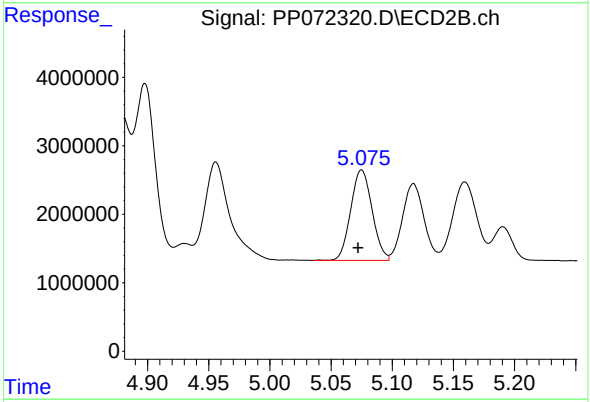

#5 AR-1016-3

R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 17787237
Conc: 271.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

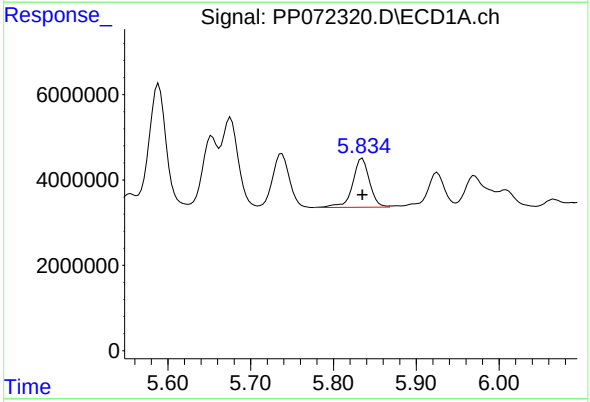
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



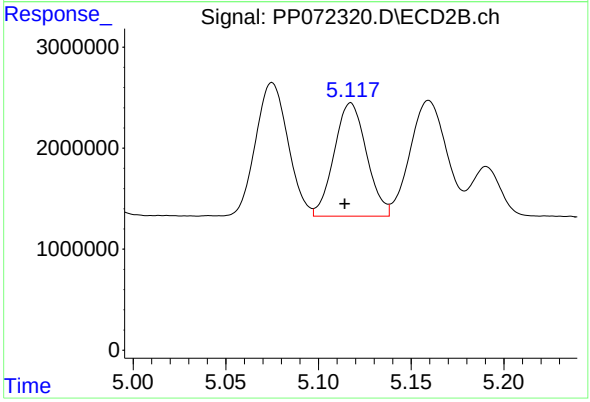

#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 16089785
Conc: 337.63 ng/ml



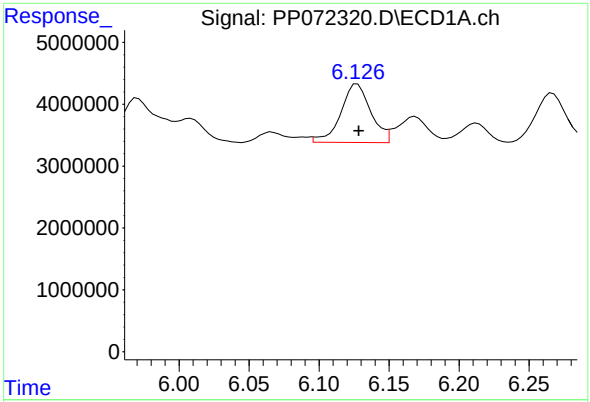

#6 AR-1016-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 16205039
Conc: 304.21 ng/ml




#6 AR-1016-4

R.T.: 5.117 min
Delta R.T.: 0.003 min
Response: 13658617
Conc: 359.01 ng/ml



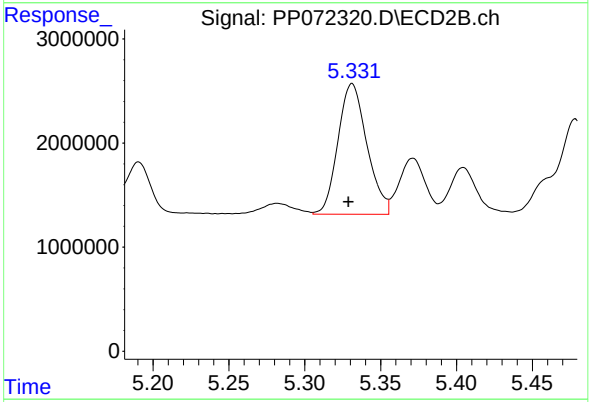

#7 AR-1016-5

R.T.: 6.126 min
Delta R.T.: -0.002 min
Response: 14047389
Conc: 287.21 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

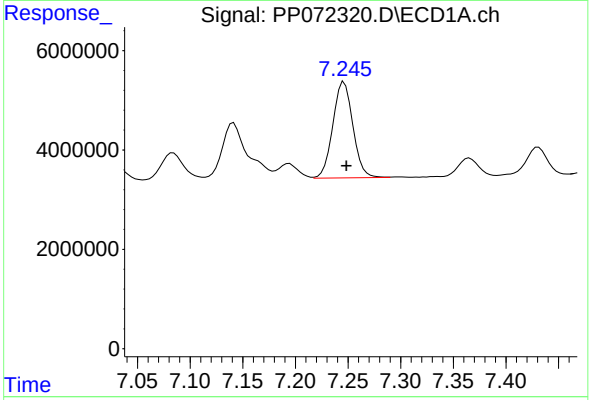
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



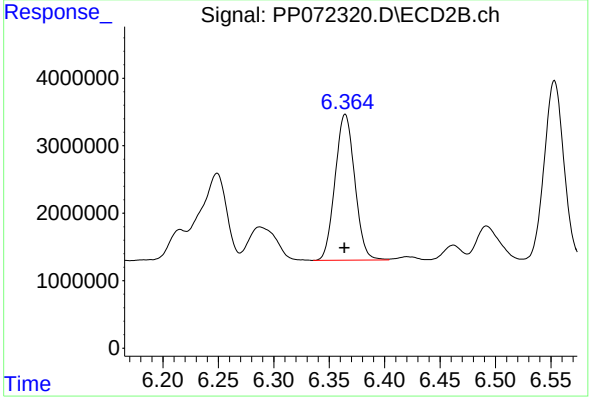

#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.002 min
Response: 16695748
Conc: 335.09 ng/ml



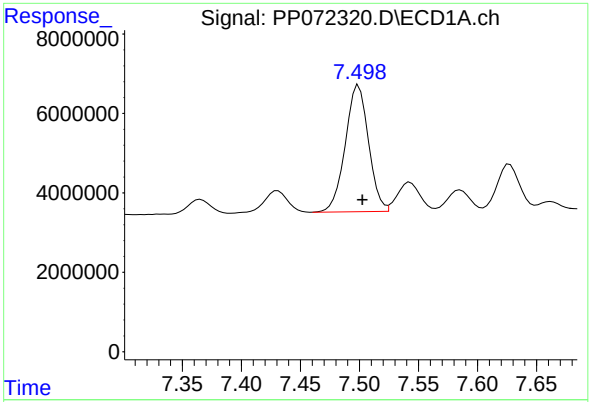

#31 AR-1260-1

R.T.: 7.246 min
Delta R.T.: -0.002 min
Response: 25719549
Conc: 274.80 ng/ml




#31 AR-1260-1

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 26714120
Conc: 334.96 ng/ml



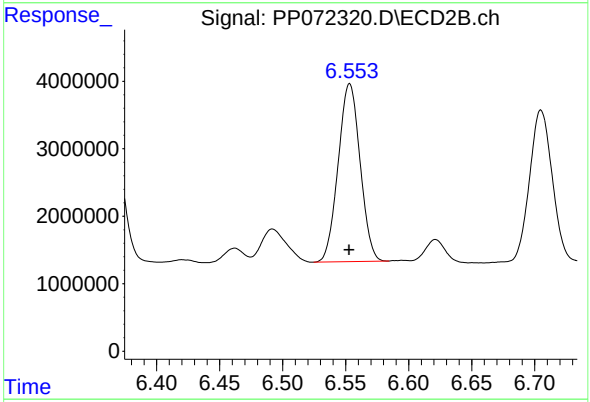

#32 AR-1260-2

R.T.: 7.499 min
Delta R.T.: -0.003 min
Response: 43703848
Conc: 304.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

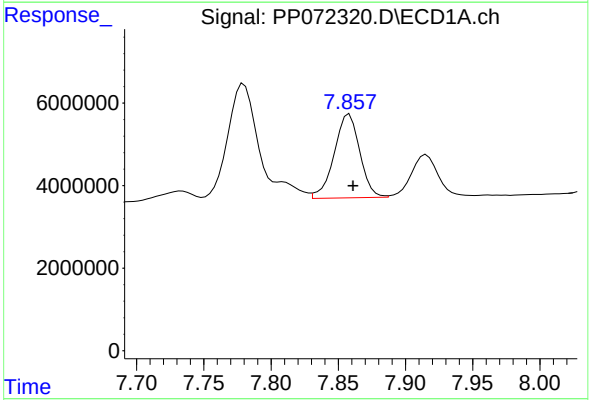
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



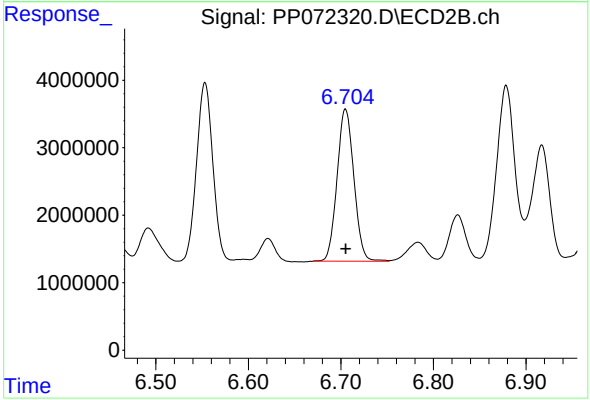

#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 31966480
Conc: 315.18 ng/ml



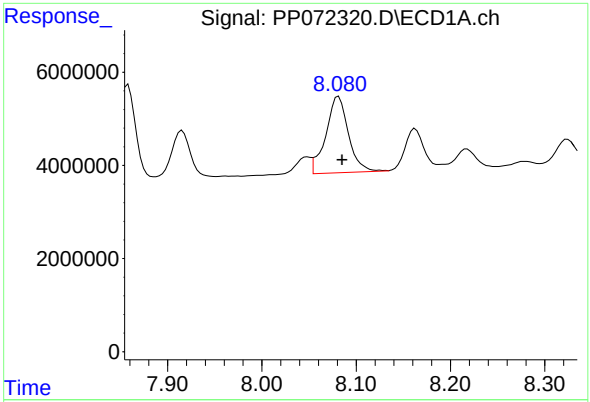

#33 AR-1260-3

R.T.: 7.858 min
Delta R.T.: -0.003 min
Response: 26826353
Conc: 235.59 ng/ml




#33 AR-1260-3

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 28500592
Conc: 327.96 ng/ml



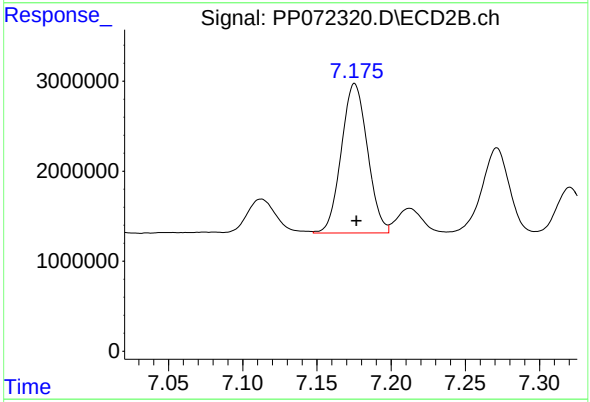

#34 AR-1260-4

R.T.: 8.081 min
Delta R.T.: -0.004 min
Response: 27270285
Conc: 254.14 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
EO-03-05222025MSD

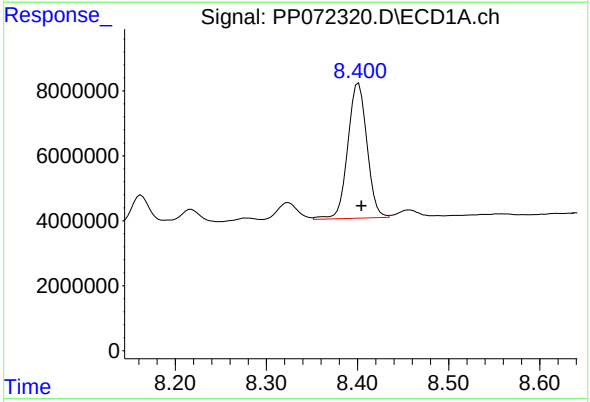
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



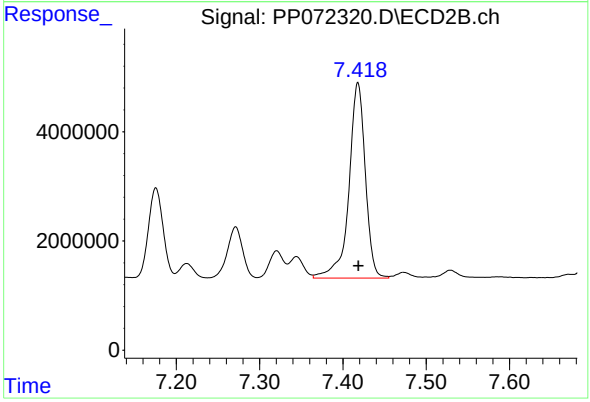

#34 AR-1260-4

R.T.: 7.175 min
Delta R.T.: -0.001 min
Response: 20384515
Conc: 282.76 ng/ml




#35 AR-1260-5

R.T.: 8.401 min
Delta R.T.: -0.003 min
Response: 60795514
Conc: 256.89 ng/ml




#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 48980108
Conc: 282.10 ng/ml

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# Manual Integration Report

| Sequence: | PP051925 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC050 | PP072168.D | AR-1016-1 | yogesh | 5/20/2025 7:28:08 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1660ICC050 | PP072168.D | AR-1016-2 | yogesh | 5/20/2025 7:28:08 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1660ICC050 | PP072168.D | AR-1016-3 | yogesh | 5/20/2025 7:28:08 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1660ICC050 | PP072168.D | AR-1016-4 | yogesh | 5/20/2025 7:28:08 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1232ICC050 | PP072174.D | AR-1232-3 | yogesh | 5/21/2025 8:50:30 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1232ICC050 | PP072174.D | AR-1232-4 | yogesh | 5/21/2025 8:50:30 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1242ICC050 | PP072179.D | AR-1242-1 | yogesh | 5/20/2025 7:28:10 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1242ICC050 | PP072179.D | AR-1242-2 | yogesh | 5/20/2025 7:28:10 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1242ICC050 | PP072179.D | AR-1242-3 | yogesh | 5/20/2025 7:28:10 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1242ICC050 | PP072179.D | AR-1242-4 | yogesh | 5/20/2025 7:28:10 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1242ICC050 | PP072179.D | AR-1242-5 | yogesh | 5/20/2025 7:28:10 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1242ICC050 | PP072179.D | AR-1242-5 #2 | yogesh | 5/20/2025 7:28:10 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1248ICC050 | PP072184.D | AR-1248-1 | yogesh | 5/20/2025 7:28:12 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP051925 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1248ICC050 | PP072184.D | AR-1248-4 #2 | yogesh | 5/20/2025 7:28:12 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1254ICC050 | PP072189.D | AR-1254-1 | yogesh | 5/20/2025 7:28:14 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1254ICC050 | PP072189.D | AR-1254-4 | yogesh | 5/20/2025 7:28:14 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1254ICC050 | PP072189.D | AR-1254-4 #2 | yogesh | 5/20/2025 7:28:14 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1254ICC050 | PP072189.D | Tetrachloro-m-xylene | yogesh | 5/20/2025 7:28:14 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1254ICC050 | PP072189.D | Tetrachloro-m-xylene #2 | yogesh | 5/20/2025 7:28:14 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1268ICC050 | PP072195.D | AR-1268-1 | yogesh | 5/20/2025 7:28:15 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |
| AR1268ICC050 | PP072195.D | Tetrachloro-m-xylene | yogesh | 5/20/2025 7:28:15 AM | mohammad | 5/22/2025 6:37:35 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp052325 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2112-01MS | PP072319.D | AR-1016-5 | yogesh | 5/27/2025 7:27:14 AM | mohammad | 5/28/2025 1:47:06 | Peak Integrated by Software |
| Q2112-01MS | PP072319.D | AR-1260-4 | yogesh | 5/27/2025 7:27:14 AM | mohammad | 5/28/2025 1:47:06 | Peak Integrated by Software |
| Q2112-01MS | PP072319.D | Tetrachloro-m-xylene | yogesh | 5/27/2025 7:27:14 AM | mohammad | 5/28/2025 1:47:06 | Peak Integrated by Software |
| Q2112-01MSD | PP072320.D | AR-1016-5 | yogesh | 5/27/2025 7:27:16 AM | mohammad | 5/28/2025 1:47:06 | Peak Integrated by Software |
| Q2112-01MSD | PP072320.D | Tetrachloro-m-xylene | yogesh | 5/27/2025 7:27:16 AM | mohammad | 5/28/2025 1:47:06 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP052425 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q1872-18 | PP072352.D | Tetrachloro-m-xylene | yogesh | 5/27/2025 7:26:13 AM | mohammad | 5/28/2025 1:48:47 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp052825 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1221CCC500 | PP072405.D | Decachlorobiphenyl | yogesh | 5/29/2025 7:49:27 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| AR1221CCC500 | PP072405.D | Decachlorobiphenyl #2 | yogesh | 5/29/2025 7:49:27 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| AR1232CCC500 | PP072406.D | Decachlorobiphenyl | yogesh | 5/29/2025 7:49:28 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| AR1242CCC500 | PP072407.D | Decachlorobiphenyl | yogesh | 5/29/2025 7:49:30 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| AR1248CCC500 | PP072408.D | Decachlorobiphenyl | yogesh | 5/29/2025 7:49:32 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| I.BLK | PP072410.D | Decachlorobiphenyl | yogesh | 5/29/2025 7:49:34 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| PB168154BS | PP072412.D | AR-1016-4 | yogesh | 5/30/2025 8:08:52 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| PB168154BS | PP072412.D | AR-1016-5 | yogesh | 5/30/2025 8:08:52 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| Q1872-19 | PP072413.D | Tetrachloro-m-xylene | yogesh | 5/29/2025 7:49:35 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| Q1872-19 | PP072413.D | Tetrachloro-m-xylene #2 | yogesh | 5/29/2025 7:49:35 AM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| AR1221CCC500 | PP072420.D | Decachlorobiphenyl | yogesh | 5/29/2025 1:31:45 PM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |
| AR1242CCC500 | PP072422.D | Decachlorobiphenyl | yogesh | 5/29/2025 1:31:49 PM | mohammad | 6/3/2025 1:58:39 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp052825 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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Fax : 908 789 8922

**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/19/2025 12:22:08 PM | | |
| Supervise By | mohammad | Supervise On | 5/22/2025 6:37:35 AM | | |
| SubDirectory | PP051925 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP072162.D | 19 May 2025 09:09 | YP\AJ | Ok |
| 2 | I.BLK | PP072163.D | 19 May 2025 09:26 | YP\AJ | Ok |
| 3 | AR1660ICC1000 | PP072164.D | 19 May 2025 09:42 | YP\AJ | Ok |
| 4 | AR1660ICC750 | PP072165.D | 19 May 2025 09:59 | YP\AJ | Ok |
| 5 | AR1660ICC500 | PP072166.D | 19 May 2025 10:15 | YP\AJ | Ok |
| 6 | AR1660ICC250 | PP072167.D | 19 May 2025 10:32 | YP\AJ | Ok |
| 7 | AR1660ICC050 | PP072168.D | 19 May 2025 10:48 | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | PP072169.D | 19 May 2025 11:05 | YP\AJ | Ok |
| 9 | AR1232ICC1000 | PP072170.D | 19 May 2025 11:21 | YP\AJ | Ok |
| 10 | AR1232ICC750 | PP072171.D | 19 May 2025 11:38 | YP\AJ | Ok |
| 11 | AR1232ICC500 | PP072172.D | 19 May 2025 11:54 | YP\AJ | Ok |
| 12 | AR1232ICC250 | PP072173.D | 19 May 2025 12:10 | YP\AJ | Ok |
| 13 | AR1232ICC050 | PP072174.D | 19 May 2025 12:27 | YP\AJ | Ok,M |
| 14 | AR1242ICC1000 | PP072175.D | 19 May 2025 12:43 | YP\AJ | Ok |
| 15 | AR1242ICC750 | PP072176.D | 19 May 2025 12:59 | YP\AJ | Ok |
| 16 | AR1242ICC500 | PP072177.D | 19 May 2025 13:15 | YP\AJ | Ok |
| 17 | AR1242ICC250 | PP072178.D | 19 May 2025 13:32 | YP\AJ | Ok |
| 18 | AR1242ICC050 | PP072179.D | 19 May 2025 13:48 | YP\AJ | Ok,M |
| 19 | AR1248ICC1000 | PP072180.D | 19 May 2025 14:04 | YP\AJ | Ok |
| 20 | AR1248ICC750 | PP072181.D | 19 May 2025 14:20 | YP\AJ | Ok |
| 21 | AR1248ICC500 | PP072182.D | 19 May 2025 14:37 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/19/2025 12:22:08 PM | | |
| Supervise By | mohammad | Supervise On | 5/22/2025 6:37:35 AM | | |
| SubDirectory | PP051925 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1248ICC250 | PP072183.D | 19 May 2025 14:53 | YP\AJ | Ok |
| 23 | AR1248ICC050 | PP072184.D | 19 May 2025 15:25 | YP\AJ | Ok,M |
| 24 | AR1254ICC1000 | PP072185.D | 19 May 2025 15:42 | YP\AJ | Ok |
| 25 | AR1254ICC750 | PP072186.D | 19 May 2025 15:58 | YP\AJ | Ok |
| 26 | AR1254ICC500 | PP072187.D | 19 May 2025 16:14 | YP\AJ | Ok |
| 27 | AR1254ICC250 | PP072188.D | 19 May 2025 16:31 | YP\AJ | Ok |
| 28 | AR1254ICC050 | PP072189.D | 19 May 2025 16:47 | YP\AJ | Ok,M |
| 29 | AR1262ICC500 | PP072190.D | 19 May 2025 17:03 | YP\AJ | Ok |
| 30 | AR1268ICC1000 | PP072191.D | 19 May 2025 17:20 | YP\AJ | Ok |
| 31 | AR1268ICC750 | PP072192.D | 19 May 2025 17:36 | YP\AJ | Ok |
| 32 | AR1268ICC500 | PP072193.D | 19 May 2025 17:53 | YP\AJ | Ok |
| 33 | AR1268ICC250 | PP072194.D | 19 May 2025 18:09 | YP\AJ | Ok |
| 34 | AR1268ICC050 | PP072195.D | 19 May 2025 18:25 | YP\AJ | Ok,M |
| 35 | PP051925ICV500 | PP072196.D | 19 May 2025 18:42 | YP\AJ | Ok |
| 36 | AR1232ICV500 | PP072197.D | 19 May 2025 19:14 | YP\AJ | Ok |
| 37 | AR1242ICV500 | PP072198.D | 19 May 2025 19:47 | YP\AJ | Ok |
| 38 | AR1248ICV500 | PP072199.D | 19 May 2025 20:19 | YP\AJ | Ok |
| 39 | AR1254ICV500 | PP072200.D | 19 May 2025 20:52 | YP\AJ | Ok |
| 40 | AR1268ICV500 | PP072201.D | 19 May 2025 21:25 | YP\AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/23/2025 10:55:36 AM | | |
| Supervise By | mohammad | Supervise On | 5/28/2025 1:47:06 AM | | |
| SubDirectory | PP052325 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP072306.D | 23 May 2025 11:53 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP072307.D | 23 May 2025 12:10 | YP\AJ | Ok |
| 3 | AR1232CCC500 | PP072308.D | 23 May 2025 12:26 | YP\AJ | Ok |
| 4 | AR1242CCC500 | PP072309.D | 23 May 2025 12:43 | YP\AJ | Ok |
| 5 | AR1248CCC500 | PP072310.D | 23 May 2025 13:00 | YP\AJ | Ok |
| 6 | AR1254CCC500 | PP072311.D | 23 May 2025 13:16 | YP\AJ | Ok |
| 7 | I.BLK | PP072312.D | 23 May 2025 13:33 | YP\AJ | Ok |
| 8 | PB168149BL | PP072313.D | 23 May 2025 13:49 | YP\AJ | Ok |
| 9 | PB168149BS | PP072314.D | 23 May 2025 14:06 | YP\AJ | Ok |
| 10 | Q1872-18 | PP072315.D | 23 May 2025 14:22 | YP\AJ | Not Ok |
| 11 | Q2109-01 | PP072316.D | 23 May 2025 14:39 | YP\AJ | Ok,M |
| 12 | Q2111-01 | PP072317.D | 23 May 2025 14:55 | YP\AJ | Ok,M |
| 13 | Q2112-01 | PP072318.D | 23 May 2025 15:11 | YP\AJ | Not Ok |
| 14 | Q2112-01MS | PP072319.D | 23 May 2025 15:28 | YP\AJ | Ok,M |
| 15 | Q2112-01MSD | PP072320.D | 23 May 2025 15:44 | YP\AJ | Ok,M |
| 16 | Q2113-01 | PP072321.D | 23 May 2025 16:00 | YP\AJ | Ok,M |
| 17 | AR1660CCC500 | PP072322.D | 23 May 2025 17:22 | YP\AJ | Ok |
| 18 | AR1232CCC500 | PP072323.D | 23 May 2025 17:38 | YP\AJ | Ok |
| 19 | AR1242CCC500 | PP072324.D | 23 May 2025 17:55 | YP\AJ | Ok |
| 20 | AR1248CCC500 | PP072325.D | 23 May 2025 18:11 | YP\AJ | Ok |
| 21 | I.BLK | PP072326.D | 23 May 2025 18:27 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/23/2025 10:55:36 AM | | |
| Supervise By | mohammad | Supervise On | 5/28/2025 1:47:06 AM | | |
| SubDirectory | PP052325 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PB168144BL | PP072327.D | 23 May 2025 18:44 | YP\AJ | Ok |
| 23 | PB168144BS | PP072328.D | 23 May 2025 19:00 | YP\AJ | Not Ok |
| 24 | PB168144BSD | PP072329.D | 23 May 2025 19:17 | YP\AJ | Not Ok |
| 25 | Q2102-03 | PP072330.D | 23 May 2025 19:33 | YP\AJ | Not Ok |
| 26 | Q2106-01 | PP072331.D | 23 May 2025 19:49 | YP\AJ | Ok |
| 27 | Q2110-01 | PP072332.D | 23 May 2025 20:06 | YP\AJ | Ok,M |
| 28 | Q2110-02 | PP072333.D | 23 May 2025 20:22 | YP\AJ | ReRun |
| 29 | AR1660CCC500 | PP072334.D | 23 May 2025 21:27 | YP\AJ | Ok |
| 30 | AR1232CCC500 | PP072335.D | 23 May 2025 22:00 | YP\AJ | Ok |
| 31 | AR1242CCC500 | PP072336.D | 23 May 2025 22:16 | YP\AJ | Ok |
| 32 | AR1248CCC500 | PP072337.D | 23 May 2025 22:33 | YP\AJ | Ok |
| 33 | I.BLK | PP072338.D | 23 May 2025 22:49 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/23/2025 3:05:58 PM | | |
| Supervise By | mohammad | Supervise On | 5/28/2025 1:48:47 AM | | |
| SubDirectory | PP052425 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP072339.D | 23 May 2025 23:38 | YP\AJ | Ok |
| 2 | I.BLK | PP072340.D | 23 May 2025 23:54 | YP\AJ | Ok |
| 3 | AR1221ICC1000 | PP072341.D | 24 May 2025 00:10 | YP\AJ | Ok |
| 4 | AR1221ICC750 | PP072342.D | 24 May 2025 00:27 | YP\AJ | Ok |
| 5 | AR1221ICC500 | PP072343.D | 24 May 2025 00:43 | YP\AJ | Ok |
| 6 | AR1221ICC250 | PP072344.D | 24 May 2025 00:59 | YP\AJ | Ok |
| 7 | AR1221ICC050 | PP072345.D | 24 May 2025 01:16 | YP\AJ | Ok |
| 8 | AR1221ICV500 | PP072346.D | 24 May 2025 01:32 | YP\AJ | Ok |
| 9 | AR1660CCC500 | PP072347.D | 24 May 2025 02:05 | YP\AJ | Ok |
| 10 | AR1221CCC500 | PP072348.D | 24 May 2025 02:37 | YP\AJ | Ok |
| 11 | I.BLK | PP072349.D | 24 May 2025 03:26 | YP\AJ | Ok |
| 12 | PB168149BL | PP072350.D | 24 May 2025 03:59 | YP\AJ | Not Ok |
| 13 | PB168149BS | PP072351.D | 24 May 2025 04:15 | YP\AJ | Not Ok |
| 14 | Q1872-18 | PP072352.D | 24 May 2025 04:31 | YP\AJ | Dilution |
| 15 | Q1872-18DL | PP072353.D | 24 May 2025 04:48 | YP\AJ | Not Ok |
| 16 | Q1872-18DL | PP072354.D | 24 May 2025 05:04 | YP\AJ | Not Ok |
| 17 | Q1872-18DL | PP072355.D | 24 May 2025 05:20 | YP\AJ | Ok |
| 18 | AR1660CCC500 | PP072356.D | 24 May 2025 05:36 | YP\AJ | Ok |
| 19 | AR1221CCC500 | PP072357.D | 24 May 2025 06:09 | YP\AJ | Ok |
| 20 | I.BLK | PP072358.D | 24 May 2025 06:58 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/28/2025 11:07:43 AM | | |
| Supervise By | mohammad | Supervise On | 6/3/2025 1:58:39 AM | | |
| SubDirectory | PP052825 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP072403.D | 28 May 2025 14:09 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP072404.D | 28 May 2025 14:25 | YP\AJ | Ok |
| 3 | AR1221CCC500 | PP072405.D | 28 May 2025 14:41 | YP\AJ | Ok,M |
| 4 | AR1232CCC500 | PP072406.D | 28 May 2025 14:57 | YP\AJ | Ok,M |
| 5 | AR1242CCC500 | PP072407.D | 28 May 2025 15:14 | YP\AJ | Ok,M |
| 6 | AR1248CCC500 | PP072408.D | 28 May 2025 15:30 | YP\AJ | Ok,M |
| 7 | AR1254CCC500 | PP072409.D | 28 May 2025 16:05 | YP\AJ | Ok |
| 8 | I.BLK | PP072410.D | 28 May 2025 16:21 | YP\AJ | Ok,M |
| 9 | PB168154BL | PP072411.D | 28 May 2025 16:37 | YP\AJ | Ok |
| 10 | PB168154BS | PP072412.D | 28 May 2025 16:53 | YP\AJ | Ok,M |
| 11 | Q1872-19 | PP072413.D | 28 May 2025 17:10 | YP\AJ | Ok,M |
| 12 | Q2131-01 | PP072414.D | 28 May 2025 17:26 | YP\AJ | Ok,M |
| 13 | Q2131-03 | PP072415.D | 28 May 2025 17:42 | YP\AJ | Ok,M |
| 14 | Q2131-05 | PP072416.D | 28 May 2025 17:59 | YP\AJ | Ok,M |
| 15 | Q2131-07 | PP072417.D | 28 May 2025 18:15 | YP\AJ | Ok,M |
| 16 | PB168149BL | PP072418.D | 28 May 2025 18:31 | YP\AJ | Not Ok |
| 17 | AR1660CCC500 | PP072419.D | 28 May 2025 20:09 | YP\AJ | Ok |
| 18 | AR1221CCC500 | PP072420.D | 28 May 2025 20:41 | YP\AJ | Ok,M |
| 19 | AR1232CCC500 | PP072421.D | 28 May 2025 20:58 | YP\AJ | Ok |
| 20 | AR1242CCC500 | PP072422.D | 28 May 2025 21:47 | YP\AJ | Ok,M |
| 21 | I.BLK | PP072423.D | 28 May 2025 22:03 | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/19/2025 12:22:08 PM | | |
| Supervise By | mohammad | Supervise On | 5/22/2025 6:37:35 AM | | |
| SubDirectory | PP051925 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP072162.D | 19 May 2025 09:09 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | PP072163.D | 19 May 2025 09:26 | | YP\AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PP072164.D | 19 May 2025 09:42 | | YP\AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PP072165.D | 19 May 2025 09:59 | | YP\AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PP072166.D | 19 May 2025 10:15 | | YP\AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PP072167.D | 19 May 2025 10:32 | | YP\AJ | Ok |
| 7 | AR1660ICC050 | AR1660ICC050 | PP072168.D | 19 May 2025 10:48 | | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PP072169.D | 19 May 2025 11:05 | | YP\AJ | Ok |
| 9 | AR1232ICC1000 | AR1232ICC1000 | PP072170.D | 19 May 2025 11:21 | | YP\AJ | Ok |
| 10 | AR1232ICC750 | AR1232ICC750 | PP072171.D | 19 May 2025 11:38 | | YP\AJ | Ok |
| 11 | AR1232ICC500 | AR1232ICC500 | PP072172.D | 19 May 2025 11:54 | | YP\AJ | Ok |
| 12 | AR1232ICC250 | AR1232ICC250 | PP072173.D | 19 May 2025 12:10 | | YP\AJ | Ok |
| 13 | AR1232ICC050 | AR1232ICC050 | PP072174.D | 19 May 2025 12:27 | | YP\AJ | Ok,M |
| 14 | AR1242ICC1000 | AR1242ICC1000 | PP072175.D | 19 May 2025 12:43 | | YP\AJ | Ok |
| 15 | AR1242ICC750 | AR1242ICC750 | PP072176.D | 19 May 2025 12:59 | | YP\AJ | Ok |
| 16 | AR1242ICC500 | AR1242ICC500 | PP072177.D | 19 May 2025 13:15 | | YP\AJ | Ok |
| 17 | AR1242ICC250 | AR1242ICC250 | PP072178.D | 19 May 2025 13:32 | | YP\AJ | Ok |
| 18 | AR1242ICC050 | AR1242ICC050 | PP072179.D | 19 May 2025 13:48 | | YP\AJ | Ok,M |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/19/2025 12:22:08 PM | | |
| Supervise By | mohammad | Supervise On | 5/22/2025 6:37:35 AM | | |
| SubDirectory | PP051925 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC1000 | AR1248ICC1000 | PP072180.D | 19 May 2025 14:04 | | YP\AJ | Ok |
| 20 | AR1248ICC750 | AR1248ICC750 | PP072181.D | 19 May 2025 14:20 | | YP\AJ | Ok |
| 21 | AR1248ICC500 | AR1248ICC500 | PP072182.D | 19 May 2025 14:37 | | YP\AJ | Ok |
| 22 | AR1248ICC250 | AR1248ICC250 | PP072183.D | 19 May 2025 14:53 | | YP\AJ | Ok |
| 23 | AR1248ICC050 | AR1248ICC050 | PP072184.D | 19 May 2025 15:25 | | YP\AJ | Ok,M |
| 24 | AR1254ICC1000 | AR1254ICC1000 | PP072185.D | 19 May 2025 15:42 | | YP\AJ | Ok |
| 25 | AR1254ICC750 | AR1254ICC750 | PP072186.D | 19 May 2025 15:58 | | YP\AJ | Ok |
| 26 | AR1254ICC500 | AR1254ICC500 | PP072187.D | 19 May 2025 16:14 | | YP\AJ | Ok |
| 27 | AR1254ICC250 | AR1254ICC250 | PP072188.D | 19 May 2025 16:31 | | YP\AJ | Ok |
| 28 | AR1254ICC050 | AR1254ICC050 | PP072189.D | 19 May 2025 16:47 | | YP\AJ | Ok,M |
| 29 | AR1262ICC500 | AR1262ICC500 | PP072190.D | 19 May 2025 17:03 | | YP\AJ | Ok |
| 30 | AR1268ICC1000 | AR1268ICC1000 | PP072191.D | 19 May 2025 17:20 | | YP\AJ | Ok |
| 31 | AR1268ICC750 | AR1268ICC750 | PP072192.D | 19 May 2025 17:36 | | YP\AJ | Ok |
| 32 | AR1268ICC500 | AR1268ICC500 | PP072193.D | 19 May 2025 17:53 | | YP\AJ | Ok |
| 33 | AR1268ICC250 | AR1268ICC250 | PP072194.D | 19 May 2025 18:09 | | YP\AJ | Ok |
| 34 | AR1268ICC050 | AR1268ICC050 | PP072195.D | 19 May 2025 18:25 | | YP\AJ | Ok,M |
| 35 | PP051925ICV500 | ICVPP051925 | PP072196.D | 19 May 2025 18:42 | | YP\AJ | Ok |
| 36 | AR1232ICV500 | ICVPP051925AR1232 | PP072197.D | 19 May 2025 19:14 | | YP\AJ | Ok |
| 37 | AR1242ICV500 | ICVPP051925AR1242 | PP072198.D | 19 May 2025 19:47 | | YP\AJ | Ok |

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## Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/19/2025 12:22:08 PM | | |
| Supervise By | mohammad | Supervise On | 5/22/2025 6:37:35 AM | | |
| SubDirectory | PP051925 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | AR1248ICV500 | ICVPP051925AR1248 | PP072199.D | 19 May 2025 20:19 | | YP\AJ | Ok |
| 39 | AR1254ICV500 | ICVPP051925AR1254 | PP072200.D | 19 May 2025 20:52 | | YP\AJ | Ok |
| 40 | AR1268ICV500 | ICVPP051925AR1268 | PP072201.D | 19 May 2025 21:25 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/23/2025 10:55:36 AM | | |
| Supervise By | mohammad | Supervise On | 5/28/2025 1:47:06 AM | | |
| SubDirectory | PP052325 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP072306.D | 23 May 2025 11:53 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP072307.D | 23 May 2025 12:10 | | YP\AJ | Ok |
| 3 | AR1232CCC500 | AR1232CCC500 | PP072308.D | 23 May 2025 12:26 | | YP\AJ | Ok |
| 4 | AR1242CCC500 | AR1242CCC500 | PP072309.D | 23 May 2025 12:43 | | YP\AJ | Ok |
| 5 | AR1248CCC500 | AR1248CCC500 | PP072310.D | 23 May 2025 13:00 | | YP\AJ | Ok |
| 6 | AR1254CCC500 | AR1254CCC500 | PP072311.D | 23 May 2025 13:16 | | YP\AJ | Ok |
| 7 | I.BLK | I.BLK | PP072312.D | 23 May 2025 13:33 | | YP\AJ | Ok |
| 8 | PB168149BL | PB168149BL | PP072313.D | 23 May 2025 13:49 | | YP\AJ | Ok |
| 9 | PB168149BS | PB168149BS | PP072314.D | 23 May 2025 14:06 | | YP\AJ | Ok |
| 10 | Q1872-18 | HW0425-PT-PCB-SOIL | PP072315.D | 23 May 2025 14:22 | AR1221 Hit , need dilution, need 5poits of ical | YP\AJ | Not Ok |
| 11 | Q2109-01 | TP-02-MHF | PP072316.D | 23 May 2025 14:39 | | YP\AJ | Ok,M |
| 12 | Q2111-01 | 34899 | PP072317.D | 23 May 2025 14:55 | | YP\AJ | Ok,M |
| 13 | Q2112-01 | EO-03-05222025 | PP072318.D | 23 May 2025 15:11 | F Flag in TCMX in 2nd column | YP\AJ | Not Ok |
| 14 | Q2112-01MS | EO-03-05222025MS | PP072319.D | 23 May 2025 15:28 | | YP\AJ | Ok,M |
| 15 | Q2112-01MSD | EO-03-05222025MSD | PP072320.D | 23 May 2025 15:44 | | YP\AJ | Ok,M |
| 16 | Q2113-01 | HD-02-05222025 | PP072321.D | 23 May 2025 16:00 | | YP\AJ | Ok,M |
| 17 | AR1660CCC500 | AR1660CCC500 | PP072322.D | 23 May 2025 17:22 | | YP\AJ | Ok |

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/23/2025 10:55:36 AM | | |
| Supervise By | mohammad | Supervise On | 5/28/2025 1:47:06 AM | | |
| SubDirectory | PP052325 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | AR1232CCC500 | AR1232CCC500 | PP072323.D | 23 May 2025 17:38 | | YP\AJ | Ok |
| 19 | AR1242CCC500 | AR1242CCC500 | PP072324.D | 23 May 2025 17:55 | | YP\AJ | Ok |
| 20 | AR1248CCC500 | AR1248CCC500 | PP072325.D | 23 May 2025 18:11 | | YP\AJ | Ok |
| 21 | I.BLK | I.BLK | PP072326.D | 23 May 2025 18:27 | | YP\AJ | Ok |
| 22 | PB168144BL | PB168144BL | PP072327.D | 23 May 2025 18:44 | | YP\AJ | Ok |
| 23 | PB168144BS | PB168144BS | PP072328.D | 23 May 2025 19:00 | AR1260 recovery fail | YP\AJ | Not Ok |
| 24 | PB168144BSD | PB168144BSD | PP072329.D | 23 May 2025 19:17 | BS fail | YP\AJ | Not Ok |
| 25 | Q2102-03 | LAW-25-0078 | PP072330.D | 23 May 2025 19:33 | AR1254 + AR1260 Hit , AR1254 ccc missing | YP\AJ | Not Ok |
| 26 | Q2106-01 | TW-WTS-09 | PP072331.D | 23 May 2025 19:49 | | YP\AJ | Ok |
| 27 | Q2110-01 | 60457 | PP072332.D | 23 May 2025 20:06 | | YP\AJ | Ok,M |
| 28 | Q2110-02 | 60458 | PP072333.D | 23 May 2025 20:22 | DCB Low in both column | YP\AJ | ReRun |
| 29 | AR1660CCC500 | AR1660CCC500 | PP072334.D | 23 May 2025 21:27 | | YP\AJ | Ok |
| 30 | AR1232CCC500 | AR1232CCC500 | PP072335.D | 23 May 2025 22:00 | | YP\AJ | Ok |
| 31 | AR1242CCC500 | AR1242CCC500 | PP072336.D | 23 May 2025 22:16 | | YP\AJ | Ok |
| 32 | AR1248CCC500 | AR1248CCC500 | PP072337.D | 23 May 2025 22:33 | | YP\AJ | Ok |
| 33 | I.BLK | I.BLK | PP072338.D | 23 May 2025 22:49 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/23/2025 3:05:58 PM | | |
| Supervise By | mohammad | Supervise On | 5/28/2025 1:48:47 AM | | |
| SubDirectory | PP052425 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP072339.D | 23 May 2025 23:38 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | PP072340.D | 23 May 2025 23:54 | | YP\AJ | Ok |
| 3 | AR1221ICC1000 | AR1221ICC1000 | PP072341.D | 24 May 2025 00:10 | | YP\AJ | Ok |
| 4 | AR1221ICC750 | AR1221ICC750 | PP072342.D | 24 May 2025 00:27 | | YP\AJ | Ok |
| 5 | AR1221ICC500 | AR1221ICC500 | PP072343.D | 24 May 2025 00:43 | | YP\AJ | Ok |
| 6 | AR1221ICC250 | AR1221ICC250 | PP072344.D | 24 May 2025 00:59 | | YP\AJ | Ok |
| 7 | AR1221ICC050 | AR1221ICC050 | PP072345.D | 24 May 2025 01:16 | | YP\AJ | Ok |
| 8 | AR1221ICV500 | ICVPP052425AR1221 | PP072346.D | 24 May 2025 01:32 | | YP\AJ | Ok |
| 9 | AR1660CCC500 | AR1660CCC500 | PP072347.D | 24 May 2025 02:05 | | YP\AJ | Ok |
| 10 | AR1221CCC500 | AR1221CCC500 | PP072348.D | 24 May 2025 02:37 | | YP\AJ | Ok |
| 11 | I.BLK | I.BLK | PP072349.D | 24 May 2025 03:26 | | YP\AJ | Ok |
| 12 | PB168149BL | PB168149BL | PP072350.D | 24 May 2025 03:59 | Not Used | YP\AJ | Not Ok |
| 13 | PB168149BS | PB168149BS | PP072351.D | 24 May 2025 04:15 | Already analyzed | YP\AJ | Not Ok |
| 14 | Q1872-18 | HW0425-PT-PCB-SOIL | PP072352.D | 24 May 2025 04:31 | need dilution, AR1221 hit | YP\AJ | Dilution |
| 15 | Q1872-18DL | HW0425-PT-PCB-SOIL | PP072353.D | 24 May 2025 04:48 | Need further dilution, , AR1221 hit | YP\AJ | Not Ok |
| 16 | Q1872-18DL | HW0425-PT-PCB-SOIL | PP072354.D | 24 May 2025 05:04 | Need further dilution, , AR1221 hit | YP\AJ | Not Ok |
| 17 | Q1872-18DL | HW0425-PT-PCB-SOIL | PP072355.D | 24 May 2025 05:20 | AR1221 hit | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/23/2025 3:05:58 PM | | |
| Supervise By | mohammad | Supervise On | 5/28/2025 1:48:47 AM | | |
| SubDirectory | PP052425 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | AR1660CCC500 | AR1660CCC500 | PP072356.D | 24 May 2025 05:36 | | YP\AJ | Ok |
| 19 | AR1221CCC500 | AR1221CCC500 | PP072357.D | 24 May 2025 06:09 | | YP\AJ | Ok |
| 20 | I.BLK | I.BLK | PP072358.D | 24 May 2025 06:58 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/28/2025 11:07:43 AM | | |
| Supervise By | mohammad | Supervise On | 6/3/2025 1:58:39 AM | | |
| SubDirectory | PP052825 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP072403.D | 28 May 2025 14:09 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP072404.D | 28 May 2025 14:25 | | YP\AJ | Ok |
| 3 | AR1221CCC500 | AR1221CCC500 | PP072405.D | 28 May 2025 14:41 | | YP\AJ | Ok,M |
| 4 | AR1232CCC500 | AR1232CCC500 | PP072406.D | 28 May 2025 14:57 | | YP\AJ | Ok,M |
| 5 | AR1242CCC500 | AR1242CCC500 | PP072407.D | 28 May 2025 15:14 | | YP\AJ | Ok,M |
| 6 | AR1248CCC500 | AR1248CCC500 | PP072408.D | 28 May 2025 15:30 | | YP\AJ | Ok,M |
| 7 | AR1254CCC500 | AR1254CCC500 | PP072409.D | 28 May 2025 16:05 | | YP\AJ | Ok |
| 8 | I.BLK | I.BLK | PP072410.D | 28 May 2025 16:21 | | YP\AJ | Ok,M |
| 9 | PB168154BL | PB168154BL | PP072411.D | 28 May 2025 16:37 | | YP\AJ | Ok |
| 10 | PB168154BS | PB168154BS | PP072412.D | 28 May 2025 16:53 | | YP\AJ | Ok,M |
| 11 | Q1872-19 | HW0425-PT-PCBO-SO | PP072413.D | 28 May 2025 17:10 | AR1221 Hit | YP\AJ | Ok,M |
| 12 | Q2131-01 | CAM-40624 | PP072414.D | 28 May 2025 17:26 | | YP\AJ | Ok,M |
| 13 | Q2131-03 | CAM-40625 | PP072415.D | 28 May 2025 17:42 | | YP\AJ | Ok,M |
| 14 | Q2131-05 | CAM-40626 | PP072416.D | 28 May 2025 17:59 | | YP\AJ | Ok,M |
| 15 | Q2131-07 | CAM-40627 | PP072417.D | 28 May 2025 18:15 | | YP\AJ | Ok,M |
| 16 | PB168149BL | PB168149BL | PP072418.D | 28 May 2025 18:31 | already analyzed | YP\AJ | Not Ok |
| 17 | AR1660CCC500 | AR1660CCC500 | PP072419.D | 28 May 2025 20:09 | | YP\AJ | Ok |
| 18 | AR1221CCC500 | AR1221CCC500 | PP072420.D | 28 May 2025 20:41 | | YP\AJ | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP052825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 5/28/2025 11:07:43 AM | | |
| Supervise By | mohammad | Supervise On | 6/3/2025 1:58:39 AM | | |
| SubDirectory | PP052825 | HP Acquire Method | | HP Processing Method | PP051925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1232CCC500 | AR1232CCC500 | PP072421.D | 28 May 2025 20:58 | | YP\AJ | Ok |
| 20 | AR1242CCC500 | AR1242CCC500 | PP072422.D | 28 May 2025 21:47 | | YP\AJ | Ok,M |
| 21 | I.BLK | I.BLK | PP072423.D | 28 May 2025 22:03 | | YP\AJ | Ok |

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Alliance TECHNICAL GROUP

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/25/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:00
**In Date:** 04/24/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:25
**Out Date:** 04/25/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135545

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1869-01 | MH-F | 1 | 1.14 | 10.43 | 11.57 | 10.47 | 89.5 | |
| Q1869-02 | MH-F-EPH | 2 | 1.18 | 9.96 | 11.14 | 10.12 | 89.8 | |
| Q1869-03 | MH-F-VOC | 3 | 1.16 | 10.28 | 11.44 | 10.4 | 89.9 | |
| Q1871-01 | MH-A | 4 | 1.14 | 9.59 | 10.73 | 9.86 | 90.9 | |
| Q1871-02 | MH-A-EPH | 5 | 1.18 | 9.97 | 11.15 | 10.25 | 91.0 | |
| Q1871-03 | MH-A-VOC | 6 | 1.15 | 10.22 | 11.37 | 10.47 | 91.2 | |
| Q1871-05 | MH-B | 7 | 1.18 | 10.31 | 11.49 | 10.58 | 91.2 | |
| Q1871-06 | MH-B-EPH | 8 | 1.16 | 9.63 | 10.79 | 10.05 | 92.3 | |
| Q1871-07 | MH-B-VOC | 9 | 1.18 | 10.35 | 11.53 | 10.75 | 92.5 | |
| Q1872-01 | HW0425-PT-AN-SOIL | 31 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-02 | HW0425-PT-CORR-SOIL | 32 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-03 | HW0425-PT-CN-SOIL | 33 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-04 | HW0425-PT-CN-SOIL | 34 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-05 | HW0425-PT-FP-SOIL | 35 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-06 | HW0425-PT-CR6-SOIL | 36 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-07 | HW0425-PT-NUT-SOIL | 37 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-08 | HW0425-PT-NUT-SOIL | 38 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-09 | HW0425-PT-OGR-SOIL | 39 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-10 | HW0425-PT-MET-SOIL | 40 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-11 | HW0425-PT-BNA-SOIL | 41 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-12 | HW0425-PT-TRIAZINE-SOIL | 42 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-13 | HW0425-PT-PAH-SOIL | 43 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-14 | HW0425-PT-DIES-SOIL | 44 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-15 | HW0425-PT-GAS-SOIL | 45 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-16 | HW0425-PT-NJEPH-SOIL | 46 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-17 | HW0425-PT-HERB-SOIL | 47 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-18 | HW0425-PT-PCB-SOIL | 48 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-19 | HW0425-PT-PCBO-SOIL | 49 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |

Alliance TECHNICAL GROUP

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/25/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:00
**In Date:** 04/24/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:25
**Out Date:** 04/25/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135545

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1872-20 | HW0425-PT-PEST-SOIL | 50 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-21 | HW0425-PT-CHLR-SOIL | 51 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-22 | HW0425-PT-TXP-SOIL | 52 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-23 | HW0425-PT-VOA-SOIL | 53 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1872-25 | HW0425-PT-NO2-SOIL | 54 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1873-01 | CAM-40619 | 10 | 1.14 | 10.70 | 11.84 | 4.97 | 35.8 | |
| Q1873-02 | CAM-40620 | 11 | 1.15 | 10.42 | 11.57 | 6.19 | 48.4 | |
| Q1873-03 | CAM-40619-20 | 12 | 1.18 | 10.21 | 11.39 | 4.77 | 35.2 | |
| Q1874-01 | VNJ-236 | 13 | 1.19 | 10.45 | 11.64 | 10.89 | 92.8 | |
| Q1874-03 | RT1491 | 14 | 1.19 | 11.16 | 12.35 | 11.43 | 91.8 | |
| Q1874-05 | HT3727 | 15 | 1.16 | 10.63 | 11.79 | 11.06 | 93.1 | |
| Q1875-01 | AUD-25-0053 | 16 | 1.14 | 10.75 | 11.89 | 11.19 | 93.5 | |
| Q1875-03 | AUD-25-0054 | 17 | 1.14 | 10.02 | 11.16 | 10.52 | 93.6 | |
| Q1875-04 | AUD-25-0024 | 18 | 1.14 | 10.03 | 11.17 | 10.77 | 96.0 | |
| Q1876-01 | AUD-25-0058 | 19 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-02 | AUD-25-0059 | 20 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-03 | AUD-25-0060 | 21 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-04 | AUD-25-0061 | 22 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-05 | AUD-25-0062 | 23 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-06 | AUD-25-0063 | 24 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-07 | AUD-25-0064 | 25 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-08 | AUD-25-0065 | 26 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1876-09 | AUD-25-0066 | 27 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1877-01 | AU-6-042425 | 55 | 1.14 | 10.25 | 11.39 | 10.72 | 93.5 | |
| Q1877-02 | AU-6-042425 | 28 | 1.14 | 10.21 | 11.35 | 10.54 | 92.1 | |
| Q1878-01 | TR-4-042425 | 29 | 1.14 | 10.17 | 11.31 | 11.2 | 98.9 | |
| Q1878-02 | TR-4-042425-E2 | 30 | 1.19 | 10.28 | 11.47 | 10.92 | 94.6 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/25/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:00
**In Date:** 04/24/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:25
**Out Date:** 04/25/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135545

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|

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

Q1872-PCB

# WORKLIST(Hardcopy Internal Chain)

LB 135545

**WorkList Name :** %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1869-01 | MH-F | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1869-02 | MH-F-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1869-03 | MH-F-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1871-01 | MH-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1871-02 | MH-A-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1871-03 | MH-A-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1871-05 | MH-B | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1871-06 | MH-B-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1871-07 | MH-B-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1872-01 | HW0425-PT-AN-SOIL | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1872-02 | HW0425-PT-CORR-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-03 | HW0425-PT-CN-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-04 | HW0425-PT-CN-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-05 | HW0425-PT-FP-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-06 | HW0425-PT-CR6-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-07 | HW0425-PT-NUT-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-08 | HW0425-PT-NUT-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-09 | HW0425-PT-OGR-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-10 | HW0425-PT-MET-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-11 | HW0425-PT-BNA-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-12 | HW0425-PT-TRIAZINE-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |

546 of 648

**Date/Time** 04/24/25 1530

**Raw Sample Received by:**

**Raw Sample Relinquished by:**

**Date/Time** 04/24/25 1725

**Raw Sample Received by:**

**Raw Sample Relinquished by:**

Q1872-PCB

# WORKLIST(Hardcopy Internal Chain)

135545

**WorkList Name :** %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1872-13 | HW0425-PT-PAH-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-14 | HW0425-PT-DIES-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-15 | HW0425-PT-GAS-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-16 | HW0425-PT-NJEPH-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-17 | HW0425-PT-HERB-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-18 | HW0425-PT-PCB-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-19 | HW0425-PT-PCBO-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-20 | HW0425-PT-PEST-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-21 | HW0425-PT-CHLR-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-22 | HW0425-PT-TXP-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-23 | HW0425-PT-VOA-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1872-25 | HW0425-PT-NO2-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1873-01 | CAM-40619 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1873-02 | CAM-40620 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1873-03 | CAM-40619-20 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1874-01 | VNJ-236 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/24/2025 | Chemtech -SO |
| Q1874-03 | RT1491 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/24/2025 | Chemtech -SO |
| Q1874-05 | HT3727 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/24/2025 | Chemtech -SO |
| Q1875-01 | AUD-25-0053 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1875-03 | AUD-25-0054 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |
| Q1875-04 | AUD-25-0024 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/24/2025 | Chemtech -SO |

547 of 648

**Date/Time** 04/24/25 15:30

**Raw Sample Received by:** JD WDC

**Raw Sample Relinquished by:** SH

**Date/Time** 04/24/25 17:25

**Raw Sample Received by:** SH

**Raw Sample Relinquished by:** JD WDC



19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Q1872-PCB

# WORKLIST(Hardcopy Internal Chain)

135545

**WorkList Name :** %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1876-01 | AUD-25-0058 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-02 | AUD-25-0059 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-03 | AUD-25-0060 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-04 | AUD-25-0061 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-05 | AUD-25-0062 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-06 | AUD-25-0063 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-07 | AUD-25-0064 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-08 | AUD-25-0065 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1876-09 | AUD-25-0066 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1877-01 | AU-6-042425 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/24/2025 | Chemtech -SO |
| Q1877-02 | AU-6-042425 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | L41 | 04/24/2025 | Chemtech -SO |
| Q1878-01 | TR-4-042425 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | L41 | 04/24/2025 | Chemtech -SO |
| Q1878-02 | TR-4-042425-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | L41 | 04/24/2025 | Chemtech -SO |

548 of 648

**Date/Time** 04/24/25 15:30

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature] SM

**Date/Time** 04/24/25 17:25

**Raw Sample Received by:** [signature] SM

**Raw Sample Relinquished by:** [signature]

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/29/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:25
**In Date:** 04/28/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:37
**Out Date:** 04/29/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135575

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1872-24 | HW0425-PT-SOL-SOIL | 8 | 0.92 | 10.30 | 11.22 | 8.82 | 76.7 | |
| Q1901-01 | B-170-SB00 | 1 | 1.14 | 5.55 | 6.69 | 6.28 | 92.6 | |
| Q1901-02 | B-167-SB01 | 2 | 1.14 | 10.22 | 11.36 | 9.58 | 82.6 | |
| Q1901-03 | B-170-SB01 | 3 | 1.19 | 10.31 | 11.5 | 9.75 | 83.0 | |
| Q1901-04 | B-167-SB02 | 4 | 1.15 | 9.78 | 10.93 | 6.35 | 53.2 | |
| Q1901-05 | B-170-SB02 | 5 | 1.14 | 10.16 | 11.3 | 8.77 | 75.1 | |
| Q1902-01 | 343 | 6 | 1.19 | 10.23 | 11.42 | 10.7 | 93.0 | |
| Q1902-02 | 343 | 7 | 1.13 | 10.19 | 11.32 | 10.33 | 90.3 | |
| Q1903-01 | COMP-4 | 9 | 1.18 | 11.14 | 12.32 | 10.46 | 83.3 | |
| Q1903-02 | COMP-5 | 10 | 1.16 | 10.50 | 11.66 | 9.44 | 78.9 | |
| Q1903-03 | COMP-6 | 11 | 1.17 | 10.60 | 11.77 | 10.06 | 83.9 | |
| Q1904-01 | VNJ-210 | 12 | 1.19 | 10.39 | 11.58 | 10.6 | 90.6 | |
| Q1905-01 | MH-G | 13 | 1.15 | 10.35 | 11.5 | 10.38 | 89.2 | |
| Q1905-02 | MH-G-EPH | 14 | 1.16 | 9.65 | 10.81 | 9.71 | 88.6 | |
| Q1905-03 | MH-G-VOC | 15 | 1.16 | 10.33 | 11.49 | 10.36 | 89.1 | |
| Q1905-05 | MH-H | 16 | 1.12 | 10.03 | 11.15 | 10.5 | 93.5 | |
| Q1905-06 | MH-H-EPH | 17 | 1.13 | 10.30 | 11.43 | 10.5 | 91.0 | |
| Q1905-07 | MH-H-VOC | 18 | 1.12 | 10.03 | 11.15 | 10.01 | 88.6 | |
| Q1906-01 | WC-4 | 19 | 1.15 | 9.85 | 11.00 | 10.14 | 91.3 | |
| Q1906-02 | WC-4-EPH | 20 | 1.16 | 9.97 | 11.13 | 10.17 | 90.4 | |
| Q1906-03 | WC-4-VOC | 21 | 1.18 | 9.99 | 11.17 | 9.91 | 87.4 | |
| Q1906-05 | WC-5 | 22 | 1.16 | 10.82 | 11.98 | 10.19 | 83.5 | |
| Q1906-06 | WC-5-EPH | 23 | 1.13 | 10.41 | 11.54 | 9.94 | 84.6 | |
| Q1906-07 | WC-5-VOC | 24 | 1.18 | 10.47 | 11.65 | 11.63 | 99.8 | |
| Q1906-09 | WC-6 | 25 | 1.14 | 10.04 | 11.18 | 10.4 | 92.2 | |
| Q1906-10 | WC-6-EPH | 26 | 1.15 | 10.77 | 11.92 | 10.23 | 84.3 | |
| Q1906-11 | WC-6-VOC | 27 | 1.14 | 10.47 | 11.61 | 10.86 | 92.8 | |
| Q1906-13 | WC-7 | 28 | 1.14 | 10.85 | 11.99 | 10.31 | 84.5 | |

Alliance TECHNICAL GROUP

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/29/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:25
**In Date:** 04/28/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:37
**Out Date:** 04/29/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135575

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1906-14 | WC-7-EPH | 29 | 1.12 | 9.86 | 10.98 | 9.7 | 87.0 | |
| Q1906-15 | WC-7-VOC | 30 | 1.13 | 10.27 | 11.4 | 10.23 | 88.6 | |
| Q1907-01 | CO-8R-WC | 31 | 1.13 | 10.26 | 11.39 | 9.81 | 84.6 | |

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

Q1872-PCB

# WORKLIST(Hardcopy Internal Chain)

VB B5575

**WorkList Name :** %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1872-24 | HW0425-PT-SOL-SOIL | Solid | Percent Solids | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | Chemtech -SO |
| Q1903-01 | COMP-4 | Solid | Percent Solids | Cool 4 deg C | POWE02 | L51 | 04/25/2025 | Chemtech -SO |
| Q1903-02 | COMP-5 | Solid | Percent Solids | Cool 4 deg C | POWE02 | L51 | 04/25/2025 | Chemtech -SO |
| Q1903-03 | COMP-6 | Solid | Percent Solids | Cool 4 deg C | POWE02 | L51 | 04/25/2025 | Chemtech -SO |
| Q1901-01 | B-170-SB00 | Solid | Percent Solids | Cool 4 deg C | PORT06 | L51 | 04/26/2025 | Chemtech -SO |
| Q1901-02 | B-167-SB01 | Solid | Percent Solids | Cool 4 deg C | PORT06 | L51 | 04/26/2025 | Chemtech -SO |
| Q1901-03 | B-170-SB01 | Solid | Percent Solids | Cool 4 deg C | PORT06 | L51 | 04/26/2025 | Chemtech -SO |
| Q1901-04 | B-167-SB02 | Solid | Percent Solids | Cool 4 deg C | PORT06 | L51 | 04/26/2025 | Chemtech -SO |
| Q1901-05 | B-170-SB02 | Solid | Percent Solids | Cool 4 deg C | PORT06 | L51 | 04/26/2025 | Chemtech -SO |
| Q1902-01 | 343 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1902-02 | 343 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1904-01 | VNJ-210 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1905-01 | MH-G | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/28/2025 | Chemtech -SO |
| Q1905-02 | MH-G-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/28/2025 | Chemtech -SO |
| Q1905-03 | MH-G-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/28/2025 | Chemtech -SO |
| Q1906-13 | WC-7 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-14 | WC-7-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-15 | WC-7-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-05 | WC-5 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-06 | WC-5-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-07 | WC-5-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |

551 of 648

**Date/Time** 04/28/25 16:15

**Raw Sample Received by:** -20 deg C

**Raw Sample Relinquished by:**

**Date/Time** 04/28/25 17:30

**Raw Sample Received by:**

**Raw Sample Relinquished by:** -20 deg C



19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Q1872-PCB

# WORKLIST(Hardcopy Internal Chain)

WB 1355775

**WorkList Name :** %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1906-09 | WC-6 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-10 | WC-6-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-11 | WC-6-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1905-05 | MH-H | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1905-06 | MH-H-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/28/2025 | Chemtech -SO |
| Q1905-07 | MH-H-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/28/2025 | Chemtech -SO |
| Q1906-01 | WC-4 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 04/28/2025 | Chemtech -SO |
| Q1906-02 | WC-4-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1906-03 | WC-4-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1907-01 | CO-8R-WC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L41 | 04/28/2025 | Chemtech -SO |
| Q1907-01 | CO-8R-WC | Solid | Percent Solids | Cool 4 deg C | WALS01 | L51 | 04/28/2025 | Chemtech -SO |

552 of 648

**Date/Time** 04/28/25 16:15

**Raw Sample Received by:** JD WOC

**Raw Sample Relinquished by:**

**Date/Time** 04/28/25 17:30

**Raw Sample Received by:**

**Raw Sample Relinquished by:** JD WOC



19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168149

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

**Clean Up SOP #:** Acid Cleanup

**Matrix :** Solid

**Weigh By:** EH

**Extraction By:** RJ

**Balance check:** RJ

**Filter By:** RJ

**Balance ID:** EX-SC-2

**pH Meter ID:** N/A

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

**Hood ID:** 3,7

**Extraction Start Date :** 05/23/2025

**Extraction Start Time :** 09:18

**Extraction End Date :** 05/23/2025

**Extraction End Time :** 12:25

**Concentration By:** EH

**Supervisor By :** RUPESH

**Extraction Method:** [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 5000 PPB | PP24461 |
| Surrogate | 1.0ML | 200 PPB | PP24597 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Hexane/Acetone/1:1 | N/A | EP2613 |
| Baked Na2SO4 | N/A | EP2614 |
| Sand | N/A | E2865 |
| Hexane | N/A | E3934 |
| H2SO4 1:1 | N/A | EP2610 |
| 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 BTS723.

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 5/23/25 | RS (G4-lab) | Y-PREP+PG3 |
| 12:30 | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168149**

**Analytical Method:** M3541-ASE Extraction-14 **Concentration Date:** 05/23/2025

| Sample ID | Client Sample ID | Test | g/ mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168149BL | ABLK149 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | | | U1-1 |
| PB168149BS | ALCS149 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q1872-18 | HW0425-PT-PCB-SOIL | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | A | | 3 |
| Q2109-01 | TP-02-MHF | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q2111-01 | 34899 | PCB | 30.09 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q2112-01 | EO-03-05222025 | PCB | 30.08 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| Q2112-01MS | EO-03-05222025MS | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | U2-1 |
| Q2112-01MSD | EO-03-05222025MSD | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q2113-01 | HD-02-05222025 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 3 |

RJ
5/23

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

5/23/25 9:18

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2111 **WorkList ID :** 189739 **Department :** Extraction **Date :** 05-23-2025 08:42:23

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1872-18 | HW0425-PT-PCB-SOIL | Solid | PCB | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | 8082A |
| Q2109-01 | TP-02-MHF | Solid | PCB | Cool 4 deg C | PSEG03 | L31 | 05/20/2025 | 8082A |
| Q2111-01 | 34899 | Solid | PCB | Cool 4 deg C | PSEG03 | L31 | 05/22/2025 | 8082A |
| Q2112-01 | EO-03-05222025 | Solid | PCB | Cool 4 deg C | PSEG05 | L31 | 05/22/2025 | 8082A |
| Q2113-01 | HD-02-05222025 | Solid | PCB | Cool 4 deg C | PSEG05 | L31 | 05/22/2025 | 8082A |

**Date/Time** 5/23/25 9:15
**Raw Sample Received by:** RJ (Ext-Lab)
**Raw Sample Relinquished by:** CP



**Date/Time** 5/23/25 9:40
**Raw Sample Received by:** CP
**Raw Sample Relinquished by:** RJ (Ext-Lab)

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168154

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

**Clean Up SOP #:** Acid Cleanup

**Matrix :** Solid

**Weigh By:** RJ

**Extraction By:** RJ

**Balance check:** RJ

**Filter By:** N/A

**Balance ID:** EX-SC-2

**pH Meter ID:** N/A

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

**Hood ID:** 3,7

**Extraction Start Date :** 05/28/2025

**Extraction Start Time :** 09:40

**Extraction End Date :** 05/28/2025

**Extraction End Time :** 12:30

**Concentration By:** EH

**Supervisor By :** RUPESH

**Extraction Method:** [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [√] Waste Dilution [ ] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 5000 PPB | PP24461 |
| Surrogate | 1.0ML | 200 PPB | PP24597 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Hexane/Acetone/1:1 | N/A | EP2613 |
| Baked Na2SO4 | N/A | EP2614 |
| Hexane | N/A | E3938 |
| H2SO4 1:1 | N/A | EP2610 |
| 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:**

40ML Vial Lot # 03-40BTS723, No MS/MSD performed as samples are waste dilution.

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** N/A

**Envap Temperature:** N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 5/28/25 | RS (EX-lab) | Y.P PESHPU. |
| 12:35 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168154**

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

**Concentration Date:** 05/28/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168154BL | ABLK154 | PCB | 1.02 | N/A | ritesh | Evelyn | 10 | | | |
| PB168154BS | ALCS154 | PCB | 1.01 | N/A | ritesh | Evelyn | 10 | | | |
| Q1872-19 | HW0425-PT-PCBO-SOIL | PCB | 1.05 | N/A | ritesh | Evelyn | 10 | | | |
| Q2131-01 | CAM-40624 | PCB | 1.05 | N/A | ritesh | Evelyn | 10 | A | | |
| Q2131-03 | CAM-40625 | PCB | 1.09 | N/A | ritesh | Evelyn | 10 | A | | |
| Q2131-05 | CAM-40626 | PCB | 1.07 | N/A | ritesh | Evelyn | 10 | A | | |
| Q2131-07 | CAM-40627 | PCB | 1.03 | N/A | ritesh | Evelyn | 10 | A | | |

RS 5/28

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

Q1872-PCB

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2131 **WorkList ID :** 189784 **Department :** Extraction **Date :** 05-28-2025 09:35:42

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1872-19 | HW0425-PT-PCBO-SOIL | Solid | PCB | Cool 4 deg C | ALLI03 | QA Of | 04/21/2025 | 8082A |
| Q2131-01 | CAM-40624 | Solid | PCB | Cool 4 deg C | PSEG03 | L23 | 05/27/2025 | 8082A |
| Q2131-03 | CAM-40625 | Solid | PCB | Cool 4 deg C | PSEG03 | L23 | 05/27/2025 | 8082A |
| Q2131-05 | CAM-40626 | Solid | PCB | Cool 4 deg C | PSEG03 | L23 | 05/27/2025 | 8082A |
| Q2131-07 | CAM-40627 | Solid | PCB | Cool 4 deg C | PSEG03 | L23 | 05/27/2025 | 8082A |

**Date/Time** 5/28/25 9:35

**Raw Sample Received by:** RJ (EXT-lab)

**Raw Sample Relinquished by:**



**Date/Time** 5/28/25 9:50

**Raw Sample Received by:**

**Raw Sample Relinquished by:** RJ (EXT-lab)

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

# Prep Standard - Chemical Standard Summary

**Order ID :** Q1872

**Test :** PCB

**Prepbatch ID :** PB168149,PB168154,

**Sequence ID/Qc Batch ID:** pp052325,PP052425,pp052825,

**Standard ID :**
EP2610,EP2613,EP2614,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24461,PP24597,

**Chemical ID :**
E2865,E3551,E3804,E3877,E3917,E3932,E3933,E3934,E3938,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12955,P12957,P13356,P13357,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,W3177,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 314 | 1.1 H2SO4 SOLN | EP2610 | 05/07/2025 | 11/07/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 05/07/2025 |

**FROM** 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 230 | 1:1ACETONE/HEXANE | EP2613 | 05/09/2025 | 11/05/2025 | RUPESHKUMAR SHAH | None | None | Riteshkumar Patel 05/09/2025 |

**FROM** 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

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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 | EP2614 | 05/19/2025 | 07/01/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 05/19/2025 |

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

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 84 | Pest/PCB Surrogate Stock 20 PPM | PP24329 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13356 + 9.00000ml of W3177 = 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 |
|---|---|---|---|---|---|---|---|---|
| 202 | AR1660 1000/100 ppb working solution 1st source | PP24330 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 203 | AR1660 750 PPB STD | PP24331 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24330 = 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 |
|---|---|---|---|---|---|---|---|---|
| 204 | AR1660 500 PPB STD | PP24332 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 205 | AR1660 250 PPB STD | PP24333 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24330 = 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 |
|---|---|---|---|---|---|---|---|---|
| 206 | AR1660 50 PPB STD | PP24334 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24332 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 213 | AR1221 1000 PPB WORKING SOLUTION | PP24335 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1079 | AR1221 750 PPB STD | PP24336 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 222 | AR1221 500 PPB STD | PP24337 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24335 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1080 | AR1221 250 PPB STD | PP24338 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1081 | AR1221 50 PPB STD | PP24339 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24337 = 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 |
|---|---|---|---|---|---|---|---|---|
| 214 | AR1232 1000 PPB WORKING SOLUTION | PP24340 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1063 | AR1232 750 PPB STD | PP24341 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 223 | AR1232 500 PPB STD | PP24342 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1064 | AR1232 250 PPB STD | PP24343 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1065 | AR1232 50 PPB STD | PP24344 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24342 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 215 | AR1242 1000 PPB WORKING STD | PP24345 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1067 | AR1242 750 PPB STD | PP24346 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 224 | AR1242 500 PPB STD | PP24347 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24345 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1068 | AR1242 250 PPB STD | PP24348 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1069 | AR1242 50 PPB STD | PP24349 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24347 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 216 | AR1248 1000 PPB WORKING STD | PP24350 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1075 | AR1248 750 PPB STD | PP24351 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 225 | AR1248 500 PPB STD | PP24352 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1076 | AR1248 250 PPB STD | PP24353 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1077 | AR1248 50 PPB STD | PP24354 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24352 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 217 | AR1254 1000 PPB WORKING STD | PP24355 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1071 | AR1254 750 PPB STD | PP24356 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 226 | AR1254 500 PPB STD | PP24357 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1072 | AR1254 250 PPB STD | PP24358 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1073 | AR1254 50 PPB STD | PP24359 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24357 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1529 | AR1262 1000 PPB Working Solution | PP24360 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3753 | AR1262 750 PPB STD | PP24361 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24360 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1530 | AR1262 500 PPB STD | PP24362 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3754 | AR1262 250 PPB STD | PP24363 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24360 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3755 | AR1262 50 PPB STD | PP24364 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24362 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1532 | AR1268 1000 PPB Working Solution | PP24365 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3820 | AR1268 750 PPB STD | PP24366 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1533 | AR1268 500 PPB STD | PP24367 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24365 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3821 | AR1268 250 PPB STD | PP24368 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3822 | AR1268 50 PPB STD | PP24369 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24367 = 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 |
|---|---|---|---|---|---|---|---|---|
| 404 | AR1660 100 PPM Stock Solution 2nd Source | PP24370 | 03/18/2025 | 09/18/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 405 | AR1660 1000/100 PPB ICV STD | PP24371 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = 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 |
|---|---|---|---|---|---|---|---|---|
| 406 | AR1660 500 PPB ICV | PP24372 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24371 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3789 | AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT) | PP24373 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1886 | AR1221 500 PPB ICV | PP24374 | 03/18/2025 | 08/12/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of E3877 + 0.50000ml of W3177 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1887 | AR1232 1000 PPB Working Sol. 2nd Source | PP24375 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1888 | AR1232 500 PPB ICV | PP24376 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24375 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1889 | AR1242 1000 PPB Working Sol. 2nd Source | PP24377 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1891 | AR1242 500 PPB ICV | PP24378 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24377 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1890 | AR1248 1000 PPB Working Sol. 2nd Source | PP24379 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1892 | AR1248 500 PPB ICV | PP24380 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24379 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1893 | AR1254 1000 PPB Working Sol. 2nd Source | PP24381 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1894 | AR1254 500 PPB ICV | PP24382 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3757 | AR1262 1000 PPB Working Solution second source | PP24384 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3758 | AR1262 500 PPB STD ICV | PP24385 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24384 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3817 | AR1268 1000 ppb Working Soln. 2nd source | PP24386 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3823 | AR1268 500 PPB STD ICV | PP24387 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3857 | 5000 PPB PCB SPIKE SOLUTION 2ND SOURCE | PP24461 | 04/11/2025 | 10/03/2025 | Abdul Mirza | None | None | Yogesh Patel 04/16/2025 |

**FROM** 0.50000ml of P12955 + 99.50000ml of E3917 = 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 |
|---|---|---|---|---|---|---|---|---|
| 465 | 200 PPB Pest/PCB Surrogate Spike | PP24597 | 05/20/2025 | 11/05/2025 | Abdul Mirza | None | None | Yogesh Patel 05/22/2025 |

**FROM** 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 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 # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 06/30/2025 | 04/30/2020 / RAJESH | 04/28/2020 / RAJESH | E2865 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 12/04/2025 | 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 | 9005-05 / Acetone Ultra (cs/4x4L) | 24E0761004 | 11/05/2025 | 10/01/2024 / Rajesh | 09/25/2024 / Rajesh | E3804 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 08/12/2025 | 02/12/2025 / Rajesh | 02/12/2025 / Rajesh | E3877 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 10/03/2025 | 04/03/2025 / Rajesh | 03/31/2025 / Rajesh | E3917 |

| 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 | 11/05/2025 | 05/05/2025 / RUPESH | 04/23/2025 / RUPESH | E3932 |

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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) | 25C0362005 | 11/05/2025 | 05/05/2025 / RUPESH | 04/23/2025 / RUPESH | E3933 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026 | 05/12/2025 / RUPESH | 04/23/2025 / RUPESH | E3934 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026 | 06/05/2025 // RUPESH | 05/14/2025 / RUPESH | E3938 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 24i1262013 | 11/07/2025 | 05/07/2025 / RUPESH | 02/18/2025 / Mohan | M6157 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-382-1 / Aroclor 1268 | 0006587800 | 09/18/2025 | 03/18/2025 / yogesh | 02/21/2022 / Ankita | P11522 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | 91867 / Aroclor 1232 100 ug/mL | 020823 | 09/18/2025 | 03/18/2025 / yogesh | 08/07/2023 / Ankita | P12699 |

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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 | x9166 / Aroclor 1262 100 ug/mL | 060523 | 09/18/2025 | 03/18/2025 / yogesh | 08/07/2023 / Ankita | P12702 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul | a0203672 | 09/18/2025 | 03/18/2025 / yogesh | 12/07/2023 / Ankita | P12931 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul | a0202803 | 09/18/2025 | 03/18/2025 / yogesh | 12/07/2023 / Ankita | P12936 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 09/18/2025 | 03/18/2025 / yogesh | 12/20/2023 / Yogesh | P12949 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 10/11/2025 | 04/11/2025 / Abdul | 12/20/2023 / Yogesh | P12955 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / Arochlor 1254 | 121823 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P12957 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 09/18/2025 | 03/18/2025 / yogesh | 04/22/2024 / Abdul | P13356 |

| 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 | 11/20/2025 | 05/20/2025 / Abdul | 04/22/2024 / Abdul | P13357 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 09/18/2025 | 03/18/2025 / yogesh | 05/02/2024 / Ankita | P13373 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane | A0207475 | 09/18/2025 | 03/18/2025 / yogesh | 05/03/2024 / Abdul | P13381 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-312-1 / Aroclor 1242 | 0006665550 | 09/18/2025 | 03/18/2025 / yogesh | 10/14/2024 / Ankita | P13589 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-342-1 / Aroclor 1248 | 0006726317 | 09/18/2025 | 03/18/2025 / yogesh | 10/14/2024 / Ankita | P13591 |

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul | A0210629 | 09/18/2025 | 03/18/2025 / yogesh | 10/17/2024 / yogesh | P13697 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul | A0215270 | 09/18/2025 | 03/18/2025 / yogesh | 10/17/2024 / yogesh | P13702 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul | A0217391 | 09/18/2025 | 03/18/2025 / yogesh | 12/09/2024 / Ankita | P13830 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul | A0219655 | 09/18/2025 | 03/18/2025 / yogesh | 01/23/2025 / Ankita | P13878 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane | A0220950 | 09/18/2025 | 03/18/2025 / yogesh | 01/23/2025 / Ankita | P13883 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

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

# 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 | 08/22/2025 | 02/03/2025 / jignesh | 01/31/2025 / jignesh | W3177 |

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Substances Soluble in HCl | <= 0.16 % | 0.01 |

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS 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 RI on 7/24/23 E3551

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.5 % | 99.8 % |
| Color (APHA) | ≤ 10 | < 5 |
| Residue after Evaporation | ≤ 5 ppm | < 1 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.5 | 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.1 % |
| Solubility in $H_2O$ | Passes Test | Passes Test |
| Chloride (Cl) | ≤ 0.2 ppm | < 0.2 ppm |
| Phosphate ($PO_4$) | ≤ 0.05 ppm | < 0.05 ppm |
| Trace Impurities - Aluminum (Al) | ≤ 50.0 ppb | < 5.0 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 5.0 ppb |
| Trace Impurities - Barium (Ba) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Beryllium (Be) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Bismuth (Bi) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities - Boron (B) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Cadmium (Cd) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Calcium (Ca) | ≤ 25.0 ppb | 3.6 ppb |
| Trace Impurities - Chromium (Cr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Cobalt (Co) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Copper (Cu) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Gallium (Ga) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Germanium (Ge) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Gold (Au) | ≤ 20 ppb | < 5 ppb |
| Trace Impurities - Iron (Fe) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Lead (Pb) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Lithium (Li) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Magnesium (Mg) | ≤ 20 ppb | < 1 ppb |
| Trace Impurities - Manganese (Mn) | ≤ 10.0 ppb | < 1.0 ppb |

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Molybdenum (Mo) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Niobium (Nb) | ≤ 50.0 ppb | < 1.0 ppb |
| Trace Impurities – Potassium (K) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities – Silicon (Si) | ≤ 50 ppb | < 10 ppb |
| Trace Impurities – Silver (Ag) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Sodium (Na) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Strontium (Sr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Tantalum (Ta) | ≤ 50.0 ppb | < 5.0 ppb |
| Trace Impurities – Thallium (Tl) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Tin (Sn) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities – Titanium (Ti) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Vanadium (V) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Zinc (Zn) | ≤ 20.0 ppb | 7.9 ppb |
| Trace Impurities – Zirconium (Zr) | ≤ 10.0 ppb | < 1.0 ppb |
| Particle Count – 0.5 µm and greater (Rion KS42AF) | ≤ 100 par/ml | 8 par/ml |
| Particle Count – 1.0 µm and greater (Rion KS42AF) | ≤ 8 par/ml | 2 par/ml |

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

ThermoFisher SCIENTIFIC



# Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

| | | | |
|---|---|---|---|
| Catalog Number | H303 | Quality Test / Release Date | 11/07/2024 |
| Lot Number | 243570 | | |
| Description | HEXANES - OPTIMA | | |
| Country of Origin | United States | Suggested Retest Date | Nov/2029 |
| Chemical Origin | Organic - non animal | | |
| BSE/TSE Comment | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. | | |

N/A

| Result Name | Units | Specifications | Test Value |
|---|---|---|---|
| APPEARANCE | | REPORT | Clear, colorless liquid |
| ASSAY (N-HEXANE) | % | >= 60 | 69 |
| ASSAY (SUM C6 HYDROCARBONS) | % | >= 99.9 | >99.9 |
| COLOR | APHA | <= 5 | <5 |
| DENSITY AT 25 DEGREES C | GM/ML | Inclusive Between 0.653 - 0.673 | 0.669 |
| EVAPORATION RESIDUE | ppm | <= 1 | <1 |
| FLUORESCENCE BACKGROUND | ppb | <= 1 | <1 |
| IDENTIFICATION | PASS/FAIL | = PASS TEST | PASS TEST |
| OPTICAL ABS AT 195 NM | ABS. UNITS | <= 1 | 0.74 |
| OPTICAL ABS AT 210 NM | ABS. UNITS | <= 0.25 | 0.17 |
| OPTICAL ABS AT 220 NM | ABS. UNITS | <= 0.07 | 0.05 |
| OPTICAL ABS AT 254 NM | ABS. UNITS | <= 0.005 | 0.001 |
| PESTICIDE RESIDUE ANALYSIS | NG/L | <= 10 | <10 |
| REFRACTIVE INDEX @ 25 DEG C | | Inclusive Between 1.375 - 1.385 | 1.379 |
| SUITABILITY FOR GC/MS | | = PASS TEST | PASS TEST |
| SULFUR COMPOUNDS | % | <= 0.005 | <0.005 |
| THIOPHENE | PASS/FAIL | = PASS TEST | PASS TEST |
| WATER (H2O) | % | <= 0.01 | <0.01 |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G | <= 0.0003 | 0.0001 |

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.0 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 % | <0.1 % |
| 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 03/31/25

E3917

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

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 RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 6 |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | <= 5 | 5 |
| Assay (Total Saturated $C_6$ Isomers) (byGC, corrected for water) | >= 99.5 % | 100.0 % |
| Assay (as n-Hexane) (by GC, correctedfor water) | >= 95 % | 100 % |
| Color (APHA) | <= 10 | 10 |
| 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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 6 |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | <= 5 | 5 |
| Assay (Total Saturated $C_6$ Isomers) (byGC, corrected for water) | >= 99.5 % | 100.0 % |
| Assay (as n-Hexane) (by GC, correctedfor water) | >= 95 % | 100 % |
| Color (APHA) | <= 10 | 10 |
| 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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3934

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 6 |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | <= 5 | 5 |
| Assay (Total Saturated $C_6$ Isomers) (byGC, corrected for water) | >= 99.5 % | 100.0 % |
| Assay (as n-Hexane) (by GC, correctedfor water) | >= 95 % | 100 % |
| Color (APHA) | <= 10 | 10 |
| 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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3938

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS – Assay ($H_2SO_4$) | 95.0 – 98.0 % | 96.2 % |
| Appearance | Passes Test | Passes Test |
| ACS – Color (APHA) | <= 10 | 5 |
| ACS – Residue after Ignition | <= 3 ppm | <1 ppm |
| ACS – Substances Reducing Permanganate(as SO2) | <= 2 ppm | <2 ppm |
| Ammonium ($NH_4$) | <= 1 ppm | <1 ppm |
| Chloride (Cl) | <= 0.1 ppm | <0.1 ppm |
| Nitrate ($NO_3$) | <= 0.2 ppm | 0.1 ppm |
| Phosphate ($PO_4$) | <= 0.5 ppm | <0.1 ppm |
| Trace Impurities – Aluminum (Al) | <= 30.0 ppb | <5.0 ppb |
| Arsenic & Antimony (as As) | <= 4.0 ppb | <2.0 ppb |
| Trace Impurities – Boron (B) | <= 10.0 ppb | <5.0 ppb |
| Trace Impurities – Cadmium (Cd) | <= 2.0 ppb | <1.0 ppb |
| Trace Impurities – Chromium (Cr) | <= 6.0 ppb | <1.0 ppb |
| Trace Impurities – Cobalt (Co) | <= 0.5 ppb | <0.3 ppb |
| Trace Impurities – Copper (Cu) | <= 1.0 ppb | <1.0 ppb |
| Trace Impurities – Gold (Au) | <= 10.0 ppb | <5.0 ppb |
| Heavy Metals (as Pb) | <= 500.0 ppb | <100.0 ppb |
| Trace Impurities – Iron (Fe) | <= 50.0 ppb | <1.0 ppb |
| Trace Impurities – Lead (Pb) | <= 0.5 ppb | <0.5 ppb |
| Trace Impurities – Magnesium (Mg) | <= 7.0 ppb | <1.0 ppb |
| Trace Impurities – Manganese (Mn) | <= 1.0 ppb | <1.0 ppb |
| Trace Impurities – Mercury (Hg) | <= 0.5 ppb | <0.1 ppb |
| Trace Impurities – Nickel (Ni) | <= 2.0 ppb | <0.3 ppb |
| Trace Impurities – Potassium (K) | <= 500.0 ppb | <10.0 ppb |
| Trace Impurities – Selenium (Se) | <= 50.0 ppb | 7.2 ppb |
| Trace Impurities – Silicon (Si) | <= 100.0 ppb | 12.8 ppb |
| Trace Impurities – Silver (Ag) | <= 1.0 ppb | <1.0 ppb |

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Sodium (Na) | <= 500.0 ppb | <5.0 ppb |
| Trace Impurities - Strontium (Sr) | <= 5.0 ppb | <1.0 ppb |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | 1.1 ppb |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | <1.0 ppb |

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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

P11518 ↓ P11522 AJ 02/21/22

Agilent

# Certificate of Analysis

**Product Name:** Aroclor 1268 Standard

**Product Number:** PP-382-1

**Lot Issue Date:** 09-Feb-2021

**Lot Number:** 0006587800

**Expiration Date:** 31-Mar-2029

**Description:**
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte | CAS# | Analyte Lot | Concentration ± Uncertainty |
|---|---|---|---|
| Aroclor 1268 | 011100-14-4 | RM00937 | 100.0 ± 0.5 µg/mL |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Storage Conditions:** Store at Room Temperature (15° to 30°C).

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Intended Use:**
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Hazards:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

**Expiration of Certification:**
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Refe*

## CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 91867 |
| Lot Number: | 020823 |
| Description: | WP 037 - Aroclor 1232 PCB Technical Mixture |
| Expiration Date: | 020833 |
| Recommended Storage: | Ambient (20 °C) |
| Nominal Concentration (µg/mL): | 100 |
| NIST Test ID#: | 6UTB |

**Solvent/** Acet

Weight(s) shown below were combined and diluted to (mL): 100.0

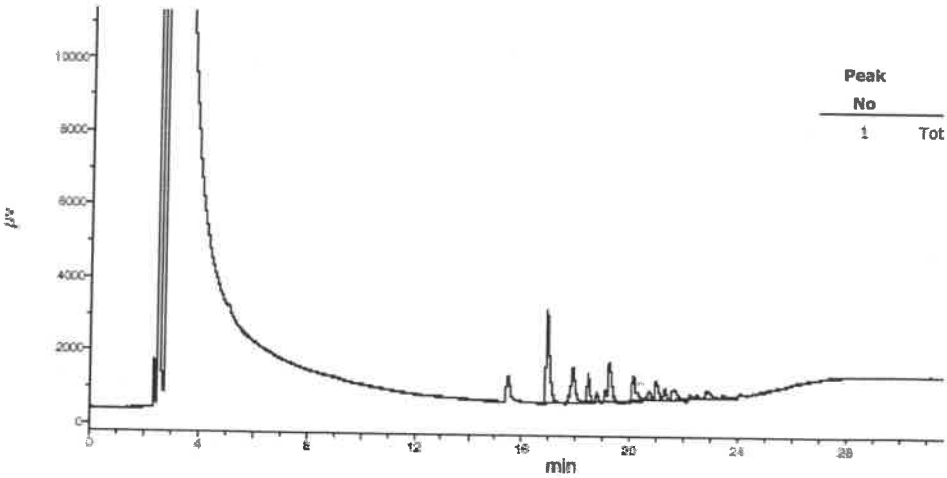
5E-05 Balance Uncertainty

0.057 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Targ Weight (g |
|---|---|---|---|---|---|---|
| 1. Aroclor 1232 | 17 | 45-6A | 100 | 100 | 0.5 | 0.01000 |

- 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 Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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

*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.*

**Catalog No. :** 32009 **Lot No.:** A0203672

**Description :** Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1242 | 53469-21-9 | 01141 | ----% | 1,004.7 µg/mL | +/- 55.7515 |

* 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.)

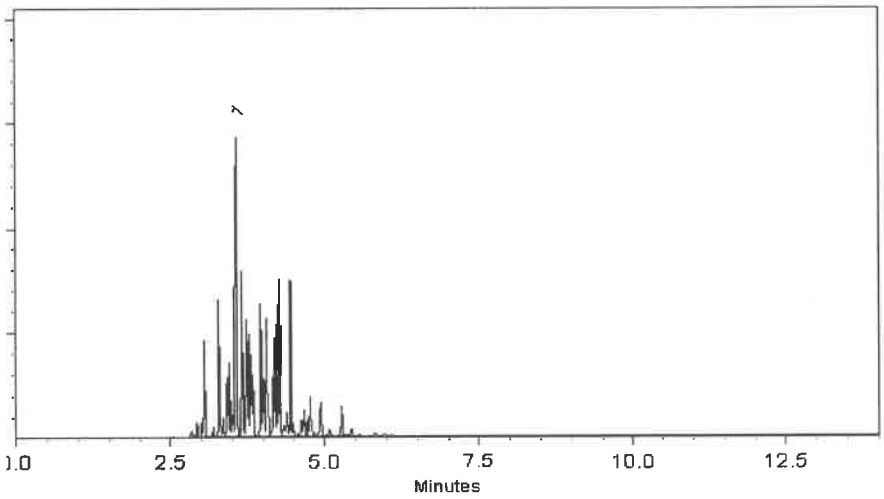
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 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.

Russ Bookhamer - Operations Technician I

**Date Mixed:** 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 06-Nov-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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*

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.*

P12933 ↓ P12937 AJ 12/07/23

**Catalog No. :** 32010 **Lot No.:** A0202803

**Description :** Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1248 | 12672-29-6 | 13897600 | ----% | 1,001.7 µg/mL | +/- 55.5850 |

* 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.)

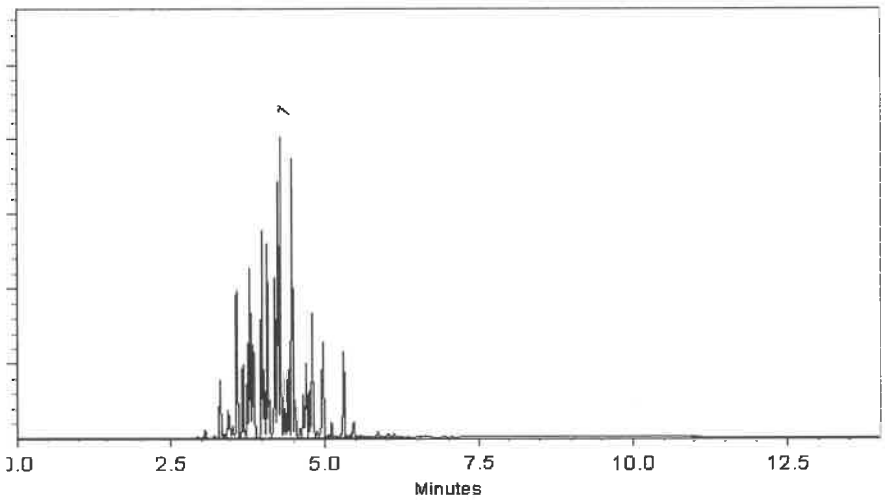
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 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.

Laith Clemente - Operations Technician I  **Date Mixed:** 03-Oct-2023  **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC  **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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www.absolutestandards.com

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AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 20064 |
| Lot Number: | 022023 |
| Description: | CLP PCB'S - Aroclor Mix<br>Aroclors 1016 & 1260 |
| Expiration Date: | 022033 |
| Recommended Storage: | Ambient (20 °C) |
| Nominal Concentration (µg/mL): | 1000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

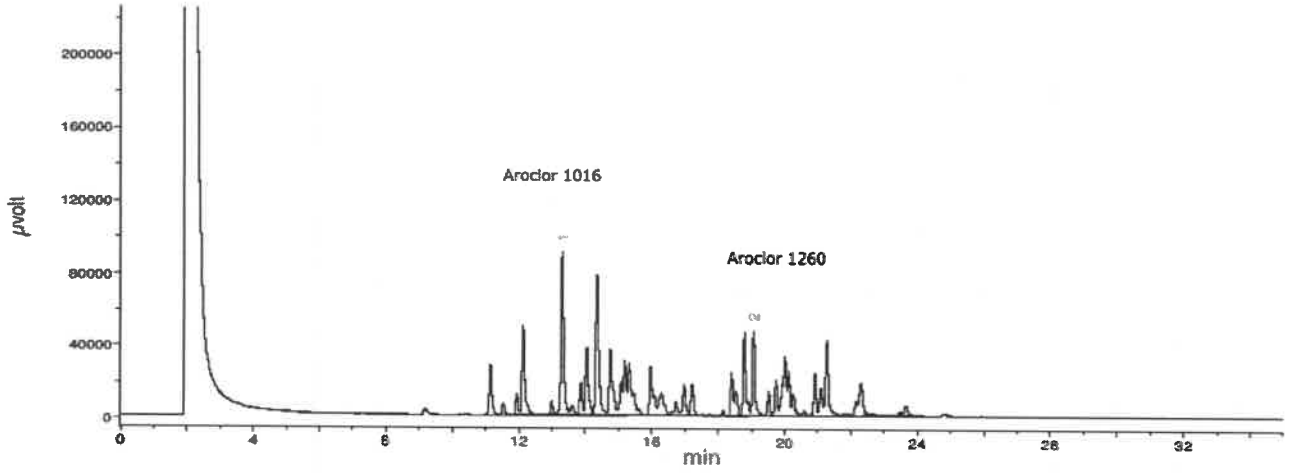
| | | |
|---|---|---|
| Formulated By: | Benson Chan | 022023 DATE |
| Reviewed By: | Pedro L. Rentas | 022023 DATE |

P12946 ↓ P12955 12/20

| 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. Aroclor 1016 | 15 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20060 | 1002.8 | 4.0 | 12674-11-2 | N/A | N/A |
| 2. Aroclor 1260 | 21 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20081 | 1003.9 | 4.0 | 11096-82-5 | 0.5mg/m3 | orl-rat 1315mg/kg |

- 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).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 20064 |
| Lot Number: | 022023 |
| Description: | CLP PCB'S - Aroclor Mix |
| | Aroclors 1016 & 1260 |
| Expiration Date: | 022033 |
| Recommended Storage: | Ambient (20 °C) |
| Nominal Concentration (µg/mL): | 1000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

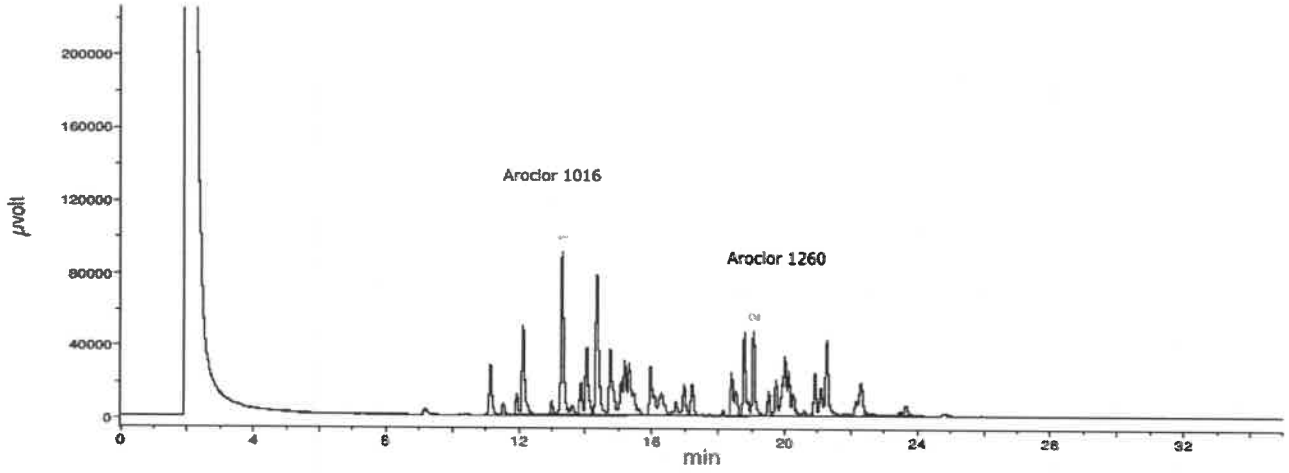
| | |
|---|---|
| Formulated By: Benson Chan | 022023 DATE |
| Reviewed By: Pedro L. Rentas | 022023 DATE |

P12946 ↓ P12955 12/20/23

| 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. Aroclor 1016 | 15 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20060 | 1002.8 | 4.0 | 12674-11-2 | N/A | N/A |
| 2. Aroclor 1260 | 21 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20081 | 1003.9 | 4.0 | 11096-82-5 | 0.5mg/m3 | orl-rat 1315mg/kg |

- 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).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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## CERTIFIED WEIGHT REPORT

| | | | | |
|---|---|---|---|---|
| **Part Number:** | 99139 | **Solvent(s):** | **Lot#** | |
| **Lot Number:** | 121823 | Iso-octane | 82227 | |
| **Description:** | Aroclor 1254 | | | |
| **Expiration Date:** | 121833 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | 100 | | | |
| **NIST Test ID#:** | 6UTB | 5E-05 | Balance Uncertainty | |
| Volume(s) shown below were combined and diluted to (mL): | | 20.0 | 0.003 | Flask Uncertainty |

**Note: Aroclor 1254 is a mix of isomers.**

| | | |
|---|---|---|
| | 121823 | |
| Formulated By: | Anthony Mahoney | DATE |
| | 121823 | |
| Reviewed By: | Pedro L. Rentas | DATE |

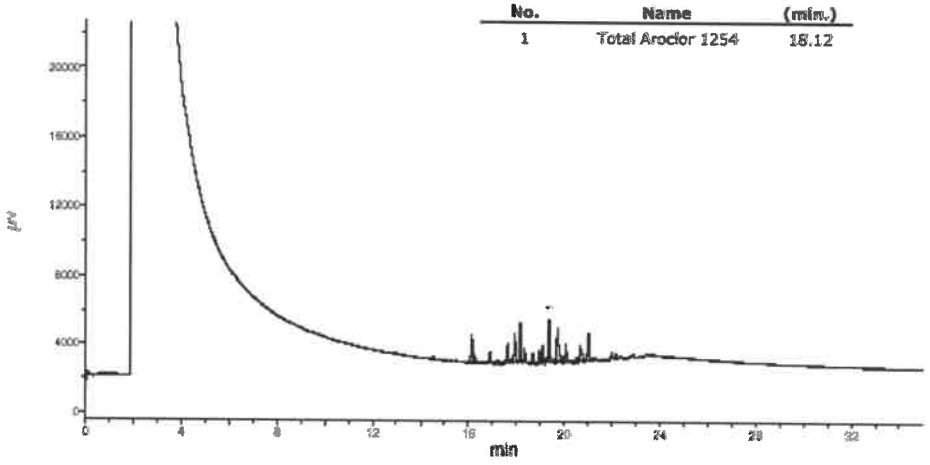
P12956 & P12957 Y-P 12/20/23

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(µg/mL) | Final Conc.(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1254 | 79100 | 121823 | 0.10 | 2.00 | 0.017 | 1003.3 | 100.1 | 1.8 | 11097-69-1 | 0.5mg/m3 (skin) | orl-rat 1295mg/kg |

- 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).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | Total Aroclor 1254 | 18.12 |



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Fax: 1-814-353-1309

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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 (10)
↓
P13357

**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

04/25/2024

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8 | RP220407 | 99% | 200.3 µg/mL | +/- 11.1143 |
| 2 | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638 | 99% | 200.6 µg/mL | +/- 11.1298 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone
**CAS #** 67-64-1
**Purity** 99%

**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

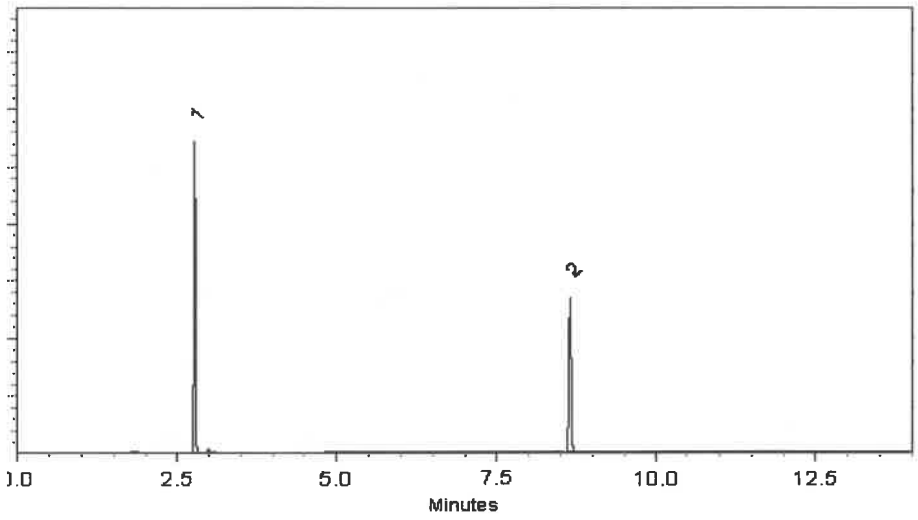
**Inj. Temp:**
250°C

**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

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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 (10) → P13357

**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

04/25/2024

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8 | RP220407 | 99% | 200.3 µg/mL | +/- 11.1143 |
| 2 | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638 | 99% | 200.6 µg/mL | +/- 11.1298 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone
**CAS #** 67-64-1
**Purity** 99%

**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

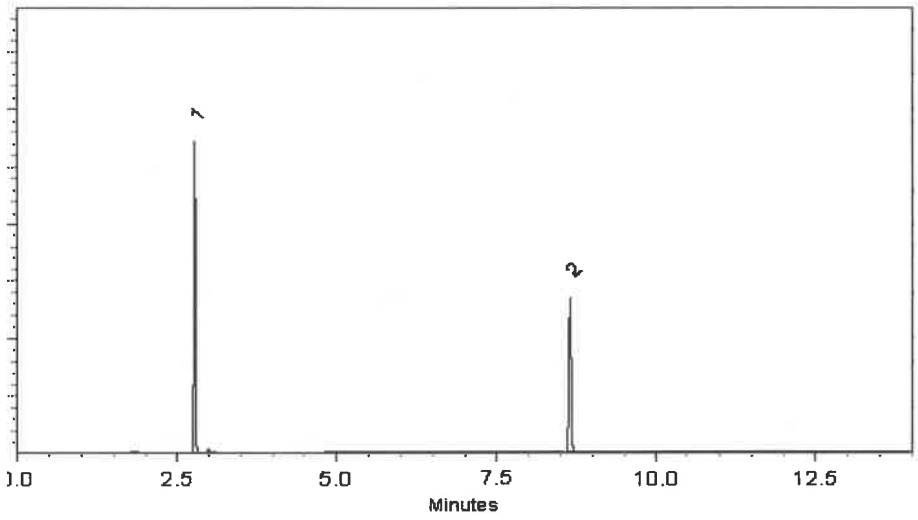
**Inj. Temp:**
250°C

**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**

P 13348 (10)
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P13357
04/25/2025

Agilent
Trusted Answers

ISO 17034

# Reference Material Certificate

## Product Information Sheet

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1221 Standard | **Lot Number:** | 0006783205 |
| **Product Number:** | PP-292-1 | **Lot Issue Date:** | 20-Feb-2024 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 31-Mar-2032 |

| Component Name | Concentration | | Uncertainty | CAS# | Analyte Lot |
|---|---|---|---|---|---|
| Aroclor 1221 | 100.3 | ± | 0.5 µg/mL | 011104-28-2 | NT01017 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
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P133f3

AJ
05106124



CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

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**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois
QMS Representative

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321



www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

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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*

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.*

**Catalog No. :** 32410 **Lot No.:** A0207475

**Description :** Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1268 | 11100-14-4 | 10947000 | ----% | 1,000.0 µg/mL | +/- 55.4925 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 13380 2
P 13381 1

05/6/2024

# 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.)

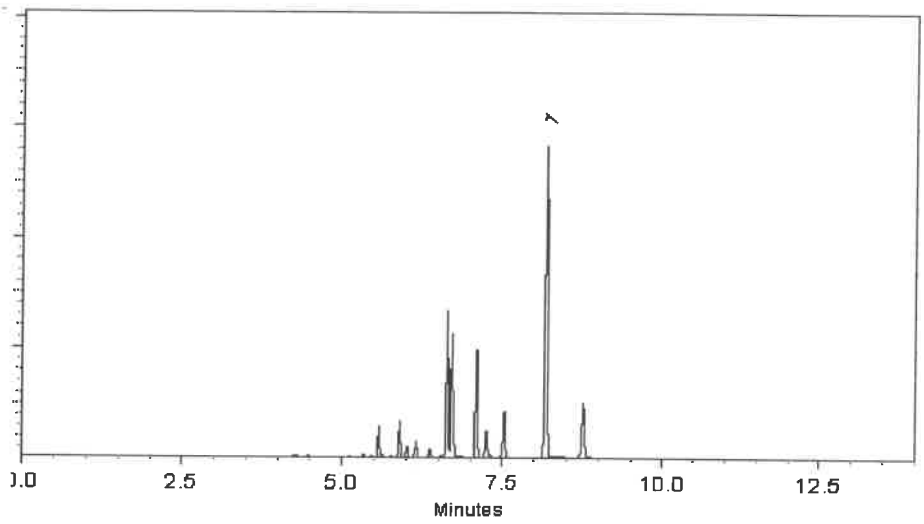
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
Split ratio 500:1

**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.

Michael Maye - Operations Tech I  **Date Mixed:** 06-Feb-2024  **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I  **Date Passed:** 09-Feb-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P13380 (2)
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P13381
1

05/6/2024

ISO 17034

Agilent
Trusted Answers

# Reference Material Certificate

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1242 Standard | **Lot Number:** | 0006665550 |
| **Product Number:** | PP-312-1 | **Lot Issue Date:** | 08-Feb-2022 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 31-Jan-2027 |

| Component Name | CERTIFIED VALUES Concentration | Expanded Uncertainty | CAS# | Analyte Lot |
|---|---|---|---|---|
| Aroclor 1242 | 100.4 ± | 0.5 µg/mL | 053469-21-9 | NT01020 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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P13590

AJ
10/14/24

**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois
QMS Representative

Agilent
Trusted Answers

ISO 17034

# Reference Material Certificate

## Product Information Sheet

**Product Name:** Aroclor 1248 Standard
**Product Number:** PP-342-1
**Storage Conditions:** Store at Room Temperature (15° to 30°C).

**Lot Number:** 0006726317
**Lot Issue Date:** 27-Jan-2023
**Expiration Date:** 28-Feb-2031

| Component Name | Concentration | | Uncertainty | CAS# | Analyte Lot |
|---|---|---|---|---|---|
| Aroclor 1248 | 100.3 | ± | 0.5 µg/mL | 012672-29-6 | NT01582 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591 ↓ P13592

AJ 10/14/2024

Agilent

Trusted Answers

**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois
QMS Representative

ANAB
ANSI National Accreditation Board
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321



www.agilent.com/quality/
CSD-QA-015.1

ISO 17025

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ISO 17034 Accredited
Reference Material Producer
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. :** 32039 **Lot No.:** A0210629

P13697 → P13701 Y.P. 10/19/24

**Description :** Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1016 | 12674-11-2 | 07 | ----% | 1,005.3 µg/mL | +/- 55.7809 |
| 2 | Aroclor 1260 | 11096-82-5 | 1320657 | ----% | 1,000.0 µg/mL | +/- 55.4850 |

* 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.)

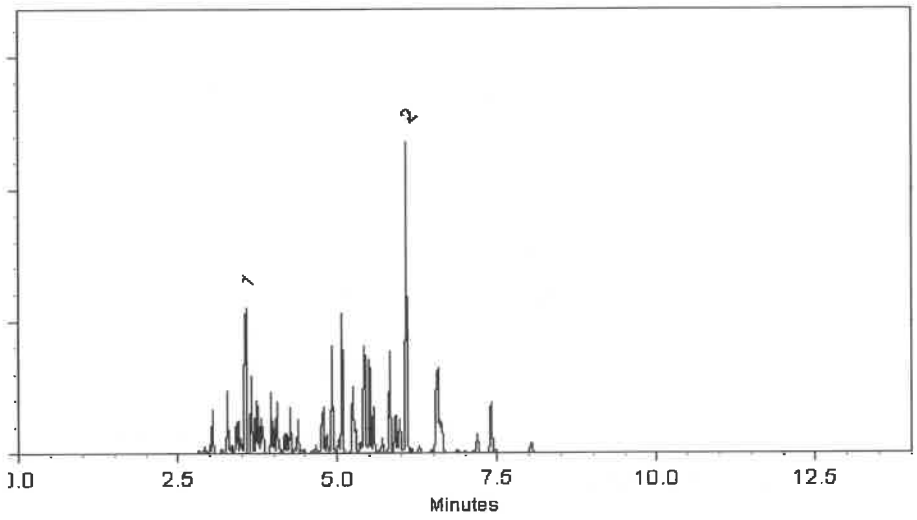
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 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.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

**Date Passed:** 24-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.*

**Catalog No. :** 32007 **Lot No.:** A0215270

**Description :** Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1221 | 11104-28-2 | 14969200 | ----% | 1,005.0 µg/mL | +/- 55.7700 |

* 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.)

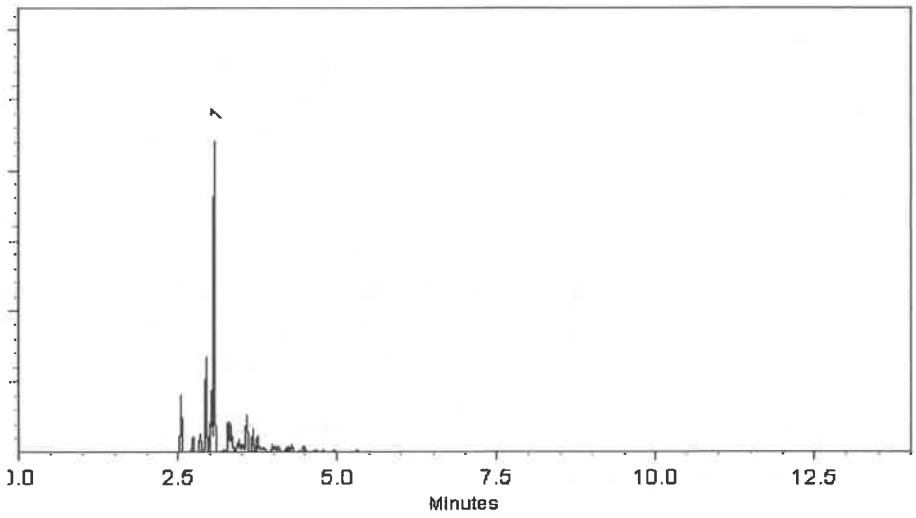
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
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.

Michael Maye - Operations Tech I — **Date Mixed:** 16-Aug-2024 — **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC — **Date Passed:** 20-Aug-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.*

**Catalog No. :** 32011 **Lot No.:** A0217391

**Description :** Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2031 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1254 | 11097-69-1 | 124-191-B | ----% | 1,004.7 µg/mL | +/- 55.7515 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P13830 ↓ P13832 AJ 12/09/24

# 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.)

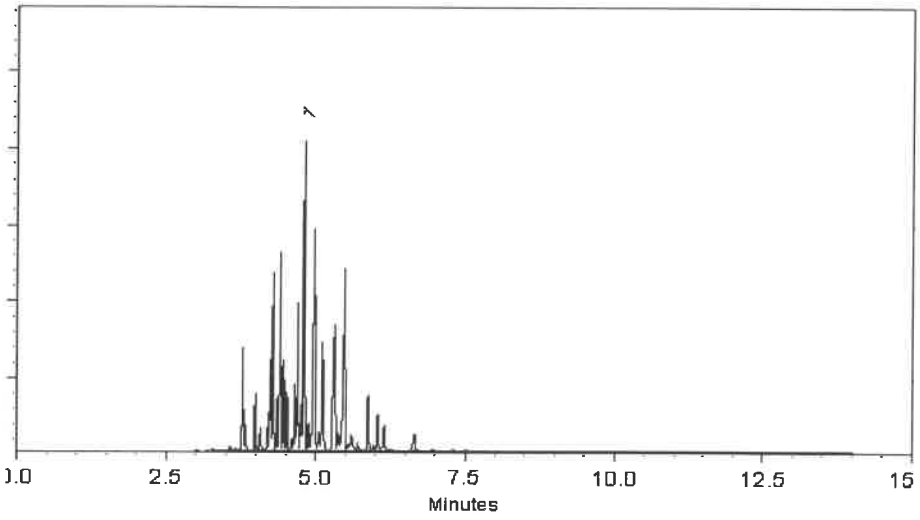
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
300 ml/min.

**Inj. Vol**
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.

Michael Maye - Operations Tech I — **Date Mixed:** 02-Oct-2024 — **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC — **Date Passed:** 07-Oct-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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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.*

**Catalog No. :** 32008 **Lot No.:** A0219655

**Description :** Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2031 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1232 | 11141-16-5 | 15665-01 | ----% | 1,007.0 µg/mL | +/- 55.8810 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P13878
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P13880

AJ
01/28/25

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

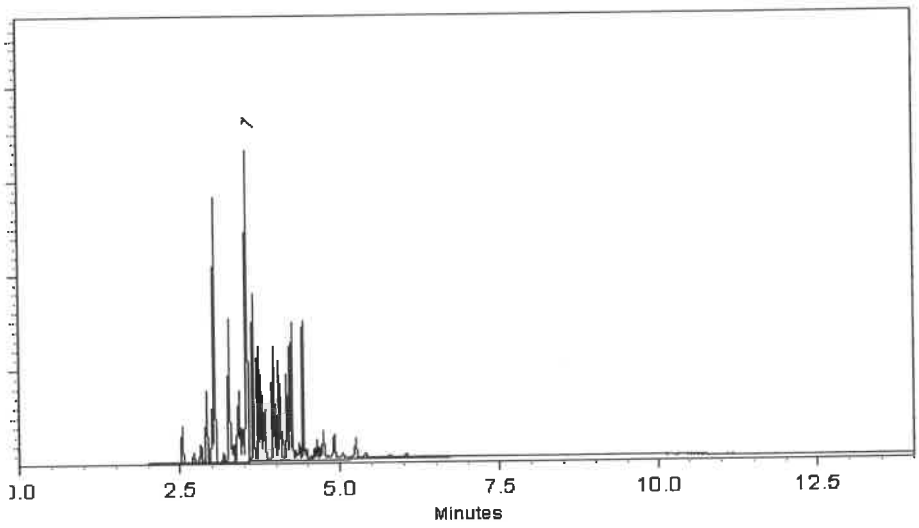
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

**Date Mixed:** 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

**Date Passed:** 05-Dec-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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*

ISO 17034 Accredited
Reference Material Producer
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. :** 32409 **Lot No.:** A0220950

**Description :** Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2031 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1262 | 37324-23-5 | 10849100 | ----% | 1,002.0 µg/mL | +/- 55.6035 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P13852
↓
P13853

AJ
01/28/25

# 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.)

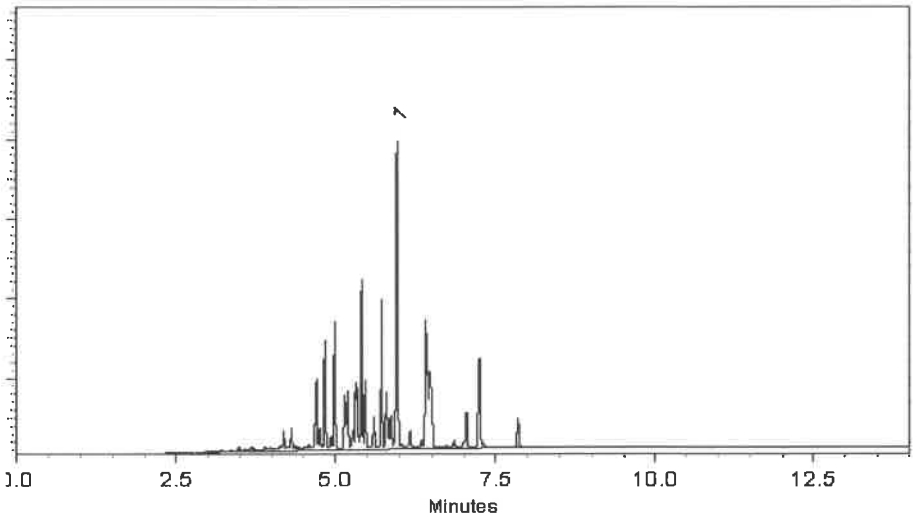
**Inj. Temp:**
250°C

**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.

Tom Suckar - Mix Technician

**Date Mixed:** 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

**Date Passed:** 14-Jan-2025

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147
W3147 update: 02/03/2025 JP

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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

# SHIPPING DOCUMENTS

phenova® | A Phenomenex® Company
Certified Reference Materials

# Packing List

| Date | Order # |
|---|---|
| 04/21/2025 | 333293 |

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received by: SJ
4/23/2025 15:50

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

**Ship To**

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

| Customer PO # | Terms | PT Acct # | Customer # | Ship Via | F.O.B. |
|---|---|---|---|---|---|
| PO2-1668 | Net 30 | ZCM-100 | 1500470 | FedEx Collect 2nd Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number | Part Description | Study Number | Lot Number |
|---|---|---|---|---|---|---|
| 1 | 1 | 0 | PT-MET-SOIL | SOIL/HW Trace Metals | HW0425 | 7100-04 |
| 1 | 1 | 0 | PT-CR6-SOIL | SOIL/HW Hexavalent Chromium | HW0425 | 7100-05B |
| 1 | 1 | 0 | PT-CN-SOIL | SOIL/HW Cyanide | HW0425 | 7100-06 |
| 1 | 1 | 0 | PT-CORR-SOIL | SOIL/HW Corrosivity/pH | HW0425 | 7100-11 |
| 1 | 1 | 0 | PT-FP-SOIL | SOIL/HW Flash Point | HW0425 | 7100-10 |
| 1 | 1 | 0 | PT-AN-SOIL | SOIL/HW Anions | HW0425 | 7100-08 |
| 1 | 1 | 0 | PT-NUT-SOIL | SOIL/HW Nutrients | HW0425 | 7100-09B |
| 1 | 1 | 0 | PT-SOL-SOIL | SOIL/HW Solids | HW0425 | 7100-31 |
| 1 | 1 | 0 | PT-NO2-SOIL | SOIL/HW Nitrite as N | HW0425 | 7100-71 |
| 1 | 1 | 0 | PT-GAS-SOIL | SOIL/HW Gasoline | HW0425 | 7100-96 |
| 1 | 1 | 0 | PT-OGR-SOIL | SOIL/HW Oil and Grease | HW0425 | 7100-94 |
| 1 | 1 | 0 | PT-VOA-SOIL | SOIL/HW Volatiles | HW0425 | 7100-12 |
| 1 | 1 | 0 | PT-BNA-SOIL | SOIL/HW BNAs | HW0425 | 7100-13 |
| 1 | 1 | 0 | PT-PEST-SOIL | SOIL/HW Pesticides | HW0425 | 7100-14 |
| 1 | 1 | 0 | PT-CHLR-SOIL | SOIL/HW Chlordane | HW0425 | 7100-15 |
| 1 | 1 | 0 | PT-TXP-SOIL | SOIL/HW Toxaphene | HW0425 | 7100-16 |
| 1 | 1 | 0 | PT-PCB-SOIL | SOIL/HW PCBs | HW0425 | 7100-17 |
| 1 | 1 | 0 | PT-PCBO-SOIL | SOIL/HW PCBs in Oil | HW0425 | 7100-88 |
| 1 | 1 | 0 | PT-HERB-SOIL | SOIL/HW Herbicides | HW0425 | 7100-18 |
| 1 | 1 | 0 | PT-PAH-SOIL | SOIL/HW PAHs | HW0425 | 7100-22 |
| 1 | 1 | 0 | PT-TRIAZINE-SOIL | SOIL/HW Triazine Pesticides | HW0425 | 7100-106 |
| 1 | 1 | 0 | PT-NJEPH-SOIL | NJ EPH in SOIL | HW0425 | 7100-105 |

phenova® Certified Reference Materials | A Phenomenex® Company

# Packing List

| Date | Order # |
|---|---|
| 04/25/2025 | 337220 |

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
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**Ship To**

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
4/28/2025 9:40

| Customer PO # | Terms | PT Acct # | Customer # | Ship Via | F.O.B. |
|---|---|---|---|---|---|
| CPR | Net 30 | ZCM-100 | 1500470 | FedEx Next Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number | Part Description | Study Number | Lot Number |
|---|---|---|---|---|---|---|
| 1 | 1 | 0 | PT-DIES-SOIL | SOIL/HW Diesel in Soil | HW0425 | 7100-100 |

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 |